

Supplementary 1

Table 4 Authors who have published more than three papers in the DKE journal

Authors	Frequencies
Storey, V.C.	23
Bhowmick, S.S.	18
Manolopoulos, Y.	16
Tan, K.L.	16
Métais, E.	14
Van De Riet, R.P.	13
Li, W.S.	13
Song, I.Y.	13
Van Der Aalst, W.M.P.	11
Guizzardi, G.	11
Madria, S.	11
Ursino, D.	11
Bertino, E.	10
Hunter, A.	10
Härder, T.	10
Laender, A.H.F.	10
Rizzi, S.	10
Saake, G.	10
Proper, H.A.	9
Rundensteiner, E.A.	9
Sugumaran, V.	9
Weigand, H.	9
Chakravarthy, S.	8
Cimiano, P.	8
Dustdar, S.	8
Embley, D.W.	8
Golfarelli, M.	8
Ling, T.W.	8
Thalheim, B.	8
Bassiliades, N.	7
Chiang, R.H.L.	7
Cuzzocrea, A.	7
Johannesson, P.	7
Kim, H.J.	7
Meziane, F.	7
Olivé, A.	7
Ordonez, C.	7
Schewe, K.D.	7
Schrefl, M.	7
Sellis, T.	7
Shoval, P.	7
Trujillo, J.	7

Agrawal, D.	6
Almeida, J.P.A.	6
Bell, D.A.	6
Fotouhi, F.	6
Gulla, J.A.	6
Lee, S.	6
Lim, E.P.	6
Mylopoulos, J.	6
Ooi, B.C.	6
Orlowska, M.E.	6
Palopoli, L.	6
Pastor, O.	6
Paton, N.W.	6
Teniente, E.	6
Terracina, G.	6
Theodoridis, Y.	6
Weske, M.	6
van der Weide, T.P.	6
Abelló, A.	5
Bergamaschi, S.	5
Candan, K.S.	5
Castano, S.	5
Chen, A.L.P.	5
Ciaccia, P.	5
Comyn-Wattiau, I.	5
Dumas, M.	5
Fliedl, G.	5
Johnson, C.A.	5
Kapetanios, E.	5
Kim, M.H.	5
Kop, C.	5
Lee, W.	5
Liddle, S.W.	5
Link, S.	5
Lu, S.	5
Makris, C.	5
Mayr, H.C.	5
Mohania, M.	5
Moon, B.	5
Ng, W.K.	5
Pernici, B.	5
Pontieri, L.	5
Rahm, E.	5
Reichert, M.	5
Rosemann, M.	5
Sales, T.P.	5

Saygin, Y.	5
Theodoratos, D.	5
Traina, A.J.M.	5
Traina, C.	5
Tseng, F.S.C.	5
Vassilakopoulos, M.	5
Whang, K.Y.	5
Yang, W.P.	5
Andreasen, T.	4
Antoniou, G.	4
Atzeni, P.	4
Bellatreche, L.	4
Berzal, F.	4
Bimonte, S.	4
Bonchi, F.	4
Bouma, G.	4
Buccafurri, F.	4
Chebotko, A.	4
Crestani, F.	4
Cubero, J.C.	4
Dedene, G.	4
Düsterhöft, A.	4
Eshuis, R.	4
Fensel, D.	4
Fonseca, C.M.	4
Freitas, A.	4
Grandi, F.	4
Greco, S.	4
Grefen, P.	4
Gudes, E.	4
Ittoo, A.	4
Kedad, Z.	4
Kosseim, L.	4
Lam, W.	4
Lax, G.	4
Lee, W.S.	4
Lim, A.	4
Lin, X.	4
Liu, C.	4
Madria, S.K.	4
Mamoulis, N.	4
Mani, M.	4
Mendling, J.	4
Mitschang, B.	4
Muñoz, R.	4
Nogueras-Iso, J.	4

Pan, A.	4
Papadopoulos, A.N.	4
Poels, G.	4
Ram, S.	4
Raposo, J.	4
Reijers, H.A.	4
Selçuk Candan, K.	4
Snoeck, M.	4
Song, M.	4
Studer, R.	4
Thanisch, P.	4
Thuraisingham, B.	4
Torlone, R.	4
Tort, A.	4
Treur, J.	4
Vossen, G.	4
Yang, C.C.	4
Yu, E.	4
Zarazaga-Soria, F.J.	4
Zhang, Y.	4
Zimányi, E.	4
<i>Source: Scopus (1985-2024)</i>	
<i>Note: This Scopus dataset includes information only for authors who have published more than three papers.</i>	

Table 6 Cited DKE papers in the past 40 years

Rank	Title	Author full names	Year	Cited by
1	Knowledge Engineering: Principles and methods	Studer, Rudi (7005848242); Benjamins, V. Richard (57222732074); Fensel, Dieter (56206793500)	1998	2747
2	ST-DBSCAN: An algorithm for clustering spatial-temporal data	Birant, Derya (6508164583); Kut, Alp (6603050377)	2007	1069
3	Workflow mining: A survey of issues and approaches	Van der Aalst, Wil M.P. (7007153024); Van Dongen, Boudewijn F. (6602091082); Herbst, Joachim (7102716810); Maruster, Laura (8862534700); Schimm, Guido (6506473186); Weijters, A.J.M.M. (6603641959)	2003	884
4	Case handling: A new paradigm for business process support	Van Der Aalst, Wil M.P. (7007153024); Weske, Mathias (23394109900); Grünbauer, Dolf (8046273800)	2005	598
5	Methodologies, tools and languages for building ontologies. Where is their meeting point?	Corcho, Oscar (14010357000); Fernández-López, Mariano (7004064466); Gómez-Pérez, Asunción (6603934482)	2003	570
6	A k-mean clustering algorithm for mixed numeric and categorical data	Ahmad, Amir (7202040467); Dey, Lipika (6603939167)	2007	547
7	A conceptual view on trajectories	Spaccapietra, Stefano (6701339606); Parent, Christine (7006118123); Damiani, Maria Luisa (8420118700); de Macedo, Jose Antonio (22034115100); Porto, Fabio (22734715900); Vangenot, Christelle (22434122700)	2008	495
8	Change patterns and change support features - Enhancing flexibility in process-aware information systems	Weber, Barbara (7401435414); Reichert, Manfred (9734809800); Rinderle-Ma, Stefanie (24376814800)	2008	460
9	IT support for healthcare processes - premises, challenges, perspectives	Lenz, Richard (7202785029); Reichert, Manfred (9734809800)	2007	407
10	Theoretical and practical issues in evaluating the quality of conceptual models: Current state and future directions	Moody, Daniel L. (7201901519)	2005	364
11	Computing iceberg concept lattices with TITANIC	Stumme, Gerd (6701855652); Taouil, Rafik (6507275785); Bastide, Yves (6506637036); Pasquier, Nicolas (6602789647); Lakhal, Lotfi (6603443884)	2002	363
12	How do practitioners use conceptual modeling in practice?	Davies, Islay (14027990100); Green, Peter (7402935428); Rosemann, Michael (6701701206); Indulska, Marta (8366424900); Gallo, Stan (14028259900)	2006	345
13	Mining itemset utilities from transaction databases	Yao, Hong (56185190800); Hamilton, Howard J. (7103164555)	2006	328
14	On the representation of roles in object-oriented and conceptual modelling	Steimann, Friedrich (55910765900)	2000	321
15	Correctness criteria for dynamic changes in workflow systems - A survey	Rinderle, Stefanie (24376814800); Reichert, Manfred (9734809800); Dadam, Peter (6603700552)	2004	317
16	Frameworks for entity matching: A comparison	Köpcke, Hanna (22334098400); Rahm, Erhard (6603724515)	2010	305
17	Snoop: An expressive event specification language for active databases	Chakravarthy, S. (35588882500); Mishra, D. (57197899516)	1994	279
18	A semiotic metrics suite for assessing the quality of ontologies	Burton-Jones, Andrew (12790886900); Storey, Veda C. (7003462863); Sugumaran, Vijayan (57210215570); Ahluwalia, Punit (58341463600)	2005	278
19	From humor recognition to irony detection: The figurative language of social media	Reyes, Antonio (35090427800); Rosso, Paolo (8960238100); Buscaldi, Davide (55930335200)	2012	277
20	SEMINT: a tool for identifying attribute correspondences in heterogeneous databases using neural networks	Li, Wen-Syan (36064148600); Clifton, Chris (7005369127)	2000	273

21	Workflow evolution	Casati, Fabio (7004226469); Ceri, Stefano (7006299676); Pernici, Barbara (7004638196); Pozzi, Giuseppe (7101651152)	1998	270
22	Mining interesting knowledge from weblogs: A survey	Facca, Federico Michele (8987012600); Lanzi, Pier Luca (35497395600)	2005	255
23	Supporting ontological analysis of taxonomic relationships	Welty, Christopher (7004043830); Guarino, Nicola (55996850800)	2001	255
24	A data mining approach for location prediction in mobile environments	Yavaş, Gökhan (57225737902); Katsaros, Dimitrios (7005894738); Ulusoy, Özgür (35516816100); Manolopoulos, Yannis (54397260800)	2005	254
25	AGENTWORK: A workflow system supporting rule-based workflow adaptation	Müller, Robert (7404246030); Greiner, Ulrike (8285300300); Rahm, Erhard (6603724515)	2004	244
26	Semantic integration of heterogeneous information sources	Bergamaschi, Sonia (7006782238); Castano, Silvana (56267928600); Vincini, Maurizio (55908307100); Beneventano, Domenico (6602697666)	2001	240
27	Isolated items discarding strategy for discovering high utility itemsets	Li, Yu-Chiang (8925673800); Yeh, Jieh-Shan (8925673500); Chang, Chin-Chen (13310363300)	2008	239
28	A UML profile for multidimensional modeling in data warehouses	Luján-Mora, Sergio (6603381780); Trujillo, Juan (7103051196); Song, Il-Yeol (57742309500)	2006	232
29	Mereotopology: A theory of parts and boundaries	Smith, Barry (56969465700)	1996	225
30	Conceptual-model-based data extraction from multiple-record Web pages	Embley, D.W. (7003716561); Campbell, D.M. (59099903500); Jiang, Y.S. (55733591300); Liddle, S.W. (57198003518); Lonsdale, D.W. (9279039800); Ng, Y.-K. (35303536900); Smith, R.D. (7410291129)	1999	224
31	Big data technologies and Management: What conceptual modeling can do	Storey, Veda C. (7003462863); Song, Il-Yeol (57742309500)	2017	210
32	Complexity and clarity in conceptual modeling: Comparison of mandatory and optional properties	Gemino, Andrew (7801318489); Wand, Yair (58450943600)	2005	202
33	The refined process structure tree	Vanhatalo, Jussi (10243827700); Völzer, Hagen (6602919886); Koehler, Jana (7102769406)	2009	200
34	A semantic similarity metric combining features and intrinsic information content	Pirr6, Giuseppe (19638901800)	2009	195
35	Text document clustering based on frequent word meaning sequences	Li, Yanjun (56909020900); Chung, Soon M. (7404292806); Holt, John D. (7402070108)	2008	195
36	Online clustering of parallel data streams	Beringer, Jürgen (23090166800); Hüllermeier, Eyke (6701552637)	2006	192
37	Matching large ontologies: A divide-and-conquer approach	Hu, Wei (58325978400); Qu, Yuzhong (8400208900); Cheng, Gong (36103954800)	2008	184
38	Parts, wholes, and part-whole relations: The prospects of mereotopology	Varzi, Achille C. (11039922100)	1996	183
39	Investigating diversity of clustering methods: An empirical comparison	Gelbard, Roy (6507500670); Goldman, Orit (16480335300); Spiegler, Israel (6603340419)	2007	179
40	Knowledge discovery from imbalanced and noisy data	Van Hulse, Jason (14032313900); Khoshgoftaar, Taghi (7006211475)	2009	175
41	Advances in business process management	Weske, Mathias (23394109900); Van Der Aalst, Wil M.P. (7007153024); Verbeek, H.M.W. (7006780913)	2004	173
42	Reverse engineering of relational databases: Extraction of an EER model from a relational database	Chiang, Roger H.L. (56254265700); Barron, Terence M. (7007028677); Storey, Veda C. (7003462863)	1994	169
43	Part-whole relations in object-centered systems: An overview	Artale, Alessandro (6601971854); Franconi, Enrico (7003546960); Guarino,	1996	169

		Nicola (55996850800); Pazzi, Luca (6507618680)		
44	Measuring semantic similarity between Gene Ontology terms	Couto, Francisco M. (6603489917); Silva, Mário J. (57197802595); Coutinho, Pedro M. (7006153340)	2007	168
45	The category concept: An extension to the entity-relationship model	Elmasri, R. (7003815880); Weeldreyer, J. (57214634000); Hevner, A. (7004500718)	1985	167
46	The view-based approach to dynamic inter-organizational workflow cooperation	Chebbi, Issam (9276662600); Dustdar, Schahram (6701473617); Tata, Samir (14833670500)	2006	164
47	Ontologies for conceptual modeling: Their creation, use, and management	Sugumaran, Vijayan (57210215570); Storey, Veda C. (7003462863)	2002	161
48	Negoisst: A negotiation support system for electronic business-to-business negotiations in e-commerce	Schoop, Mareike (6602555334); Jertila, Aida (6504297218); List, Thomas (56343208400)	2003	160
49	Building intelligent Web applications using lightweight wrappers	Sahuguet, Arnaud (6506672632); Azavant, Fabien (15030936400)	2001	160
50	Automated ontology construction for unstructured text documents	Lee, Chang-Shing (26435840500); Kao, Yuan-Fang (15841845600); Kuo, Yau-Hwang (7403232705); Wang, Mei-Hui (36244824800)	2007	158
51	RESTful Web service composition with BPEL for REST	Pautasso, Cesare (7801368483)	2009	157
52	Representing, analysing and managing Web service protocols	Benatallah, Boualem (6701493053); Casati, Fabio (7004226469); Toumani, Farouk (57218663007)	2006	156
53	MMR: An algorithm for clustering categorical data using Rough Set Theory	Parmar, Darshit (7005847263); Wu, Teresa (12239783200); Blackhurst, Jennifer (6507178682)	2007	155
54	Facilitating cross-organisational workflows with a workflow view approach	Schulz, Karsten A. (55649570330); Okłowska, Maria E. (7004285631)	2004	155
55	Reusing ontologies on the Semantic Web: A feasibility study	Simperl, Elena (23036541000)	2009	154
56	Combined mining of Web server logs and web contents for classifying user navigation patterns and predicting users' future requests	Liu, Haibin (55277529000); Kešelj, Vlado (6507196408)	2007	154
57	Detection and prediction of errors in EPCs of the SAP reference model	Mendling, J. (6503908779); Verbeek, H.M.W. (7006780913); van Dongen, B.F. (6602091082); van der Aalst, W.M.P. (7007153024); Neumann, G. (7202631028)	2008	153
58	Concepts, attributes and arbitrary relations. Some linguistic and ontological criteria for structuring knowledge bases	Guarino, Nicola (55996850800)	1992	152
59	Learning non-taxonomic relationships from web documents for domain ontology construction	Sánchez, David (55672489100); Moreno, Antonio (7402632390)	2008	150
60	Algorithms for inferring functional dependencies from relations	Mannila, Heikki (7005002288); Räihä, Kari-Jouko (6601968578)	1994	149
61	A case-based reasoning framework for workflow model management	Madhusudan, Therani (6506892090); Zhao, J. Leon (35304354800); Marshall, Byron (7202280151)	2004	142
62	Information agent technology for the Internet: A survey	Klusch, Matthias (56229075300)	2001	142
63	Workflow simulation for operational decision support	Rozinat, A. (14016670200); Wynn, M.T. (8964287000); van der Aalst, W.M.P. (7007153024); ter Hofstede, A.H.M. (7004086310); Fidge, C.J. (15122189100)	2009	141
64	The thematic and citation landscape of Data and Knowledge Engineering (1985-2007)	Chen, Chaomei (7501950297); Song, Il-Yeol (57742309500); Yuan, Xiaojun (55388164700); Zhang, Jian (56196700500)	2008	139
65	Guiding the construction of textual use case specifications	Rolland, Colette (7005299219); Ben Achour, Camille (6506290577)	1998	134
66	Constructing customized process views	Eshuis, Rik (6603379874); Grefen, Paul (6603685930)	2008	131

67	Different roles and mutual dependencies of data, information, and knowledge - An AI perspective on their integration	Aamodt, Agnar (55391786000); Nygård, Mads (6603825359)	1995	130
68	Analysis on demand: Instantaneous soundness checking of industrial business process models	Fahland, Dirk (23396621900); Favre, Cédric (26649414000); Koehler, Jana (7102769406); Lohmann, Niels (22980309400); Völzer, Hagen (6602919886); Wolf, Karsten (7403134956)	2011	129
69	SyMSS: A syntax-based measure for short-text semantic similarity	Oliva, Jesús (25634341300); Serrano, José Ignacio (8837740500); Del Castillo, María Dolores (57001065500); Iglesias, Ángel (56253699000)	2011	127
70	On detection of emerging anomalous traffic patterns using GPS data	Pang, Linsey Xiaolin (7101874563); Chawla, Sanjay (7103098407); Liu, Wei (56718721100); Zheng, Yu (56382645500)	2013	127
71	A link clustering based overlapping community detection algorithm	Shi, Chuan (55447999200); Cai, Yanan (36005162000); Fu, Di (57225725469); Dong, Yuxiao (49963255100); Wu, Bin (56449782000)	2013	126
72	Dominance-based rough set approach to incomplete interval-valued information system	Yang, Xibei (23020119200); Yu, Dongjun (7404666882); Yang, Jingyu (12773171100); Wei, Lihua (19639425900)	2009	125
73	Discovering calendar-based temporal association rules	Li, Yingjiu (8365610600); Ning, Peng (9732353100); Wang, X. Sean (55664719700); Jajodia, Sushil (26643360000)	2003	124
74	DEByE - Data extraction by example	Laender, Alberto H.F. (6701595293); Ribeiro-Neto, Berthier (55884599500); De Silva, Altigran S. (7402942666)	2002	124
75	Reinforcement learning based resource allocation in business process management	Huang, Zhengxing (8593282000); Van Der Aalst, W.M.P. (7007153024); Lu, Xudong (55687460600); Duan, Huilong (7102630467)	2011	123
76	Analysis of Naive Bayes' assumptions on software fault data: An empirical study	Turhan, Burak (21744228000); Bener, Ayse (21742123700)	2009	119
77	Hierarchies in a multidimensional model: From conceptual modeling to logical representation	Malinowski, E. (15136288200); Zimányi, E. (6603324026)	2006	119
78	Fuzzy XML data modeling with the UML and relational data models	Ma, Z.M. (13205045700); Yan, Li (55227476500)	2007	118
79	ARMADA - An algorithm for discovering richer relative temporal association rules from interval-based data	Winarko, Edi (8876439700); Roddick, John F. (7006486878)	2007	117
80	A formal approach to object-oriented databases	Beeri, Catriel (7004569321)	1990	117
81	Mining process models with prime invisible tasks	Wen, Lijie (14030649200); Wang, Jianmin (16306106100); Van Der Aalst, Wil M.P. (7007153024); Huang, Biqing (7403682154); Sun, Jianguang (7410371821)	2010	116
82	Overview of the ONIONS project: applying ontologies to the integration of medical terminologies	Gangemi, Aldo (55605133800); Pisanelli, Domenico M. (6603948495); Steve, Geri (6603008361)	1999	114
83	Quantifying process equivalence based on observed behavior	Alves de Medeiros, A.K. (6701654497); van der Aalst, W.M.P. (7007153024); Weijters, A.J.M.M. (6603641959)	2008	113
84	Incremental mining of sequential patterns in large databases	Masseglia, Florent (23103475500); Poncelet, Pascal (7005829745); Teisseire, Maguelonne (6601930149)	2003	113
85	Improving the quality of conceptual modeling using cognitive mapping techniques	Siau, Keng (7003774702); Tan, Xin (35323059600)	2005	111

86	Improving the performance of focused web crawlers	Batsakis, Sotiris (26631759300); Petrakis, Euripides G.M. (7003279520); Milios, Evangelos (7006232899)	2009	110
87	WB-index: A sum-of-squares based index for cluster validity	Zhao, Qinpei (25724018900); Fränti, Pasi (35562071600)	2014	109
88	On the semantics of EPCs: Resolving the vicious circle	Kindler, Ekkart (14016048800)	2006	109
89	Semantics preserving SPARQL-to-SQL translation	Chebotko, Artem (8589909400); Lu, Shiyong (7404228150); Fotouhi, Farshad (7004286308)	2009	109
90	The semantic web: Yet another hip?	Ding, Ying (35229200000); Fensel, Dieter (56206793500); Klein, Michel (55693492300); Omelayenko, Borys (6508388530)	2002	108
91	Information modeling: The process and the required competencies of its participants	Frederiks, P.J.M. (6602255894); van der Weide, Th.P. (6701347928)	2006	107
92	On managing business processes variants	Lu, Ruopeng (15019351600); Sadiq, Shazia (7006420326); Governatori, Guido (6602545579)	2009	106
93	A reference model for team-enabled workflow management systems	Van der Aalst, W.M.P. (7007153024); Kumar, A. (56169882200)	2001	106
94	An unsupervised approach to activity recognition and segmentation based on object-use fingerprints	Gu, Tao (7102898974); Chen, Shaxun (14008693400); Tao, Xianping (7202692152); Lu, Jian (36012413400)	2010	105
95	Integration and verification of semantic constraints in adaptive process management systems	Ly, Linh Thao (14016120600); Rinderle, Stefanie (24376814800); Dadam, Peter (6603700552)	2008	105
96	Evaluating quality of conceptual modelling scripts based on user perceptions	Maes, Ann (13607105700); Poels, Geert (6602187929)	2007	105
97	What do the pictures mean? Guidelines for experimental evaluation of representation fidelity in diagrammatical conceptual modeling techniques	Parsons, Jeffrey (55220552900); Cole, Linda (57196926534)	2005	102
98	Analyzing interacting WS-BPEL processes using flexible model generation	Lohmann, Niels (22980309400); Massuthe, Peter (15019335100); Stahl, Christian (9738444600); Weinberg, Daniela (22982284300)	2008	99
99	Privacy preserving decision tree learning over multiple parties	Emekci, F. (6507829789); Sahin, O.D. (36928650000); Agrawal, D. (35561936700); El Abbadi, A. (55664132600)	2007	98
100	Learning multiple layers of knowledge representation for aspect based sentiment analysis	Pham, Duc-Hong (56589492400); Le, Anh-Cuong (36022579400)	2018	98
101	Fuzzy time series model based on probabilistic approach and rough set rule induction for empirical research in stock markets	Teoh, Hia Jong (22987084500); Cheng, Ching-Hsue (7404797459); Chu, Hsing-Hui (24390254600); Chen, Jr-Shian (14044537200)	2008	98
102	Text document clustering based on neighbors	Luo, Congnan (7402443312); Li, Yanjun (56909020900); Chung, Soon M. (7404292806)	2009	98
103	Thoughts on k-anonymization	Nergiz, M. Ercan (21741299700); Clifton, Chris (7005369127)	2007	95
104	Combining multiple classifiers using vote based classifier ensemble technique for named entity recognition	Saha, Sriparna (17435835500); Ekbal, Asif (23093674100)	2013	95
105	BeAware!-Situation awareness, the ontology-driven way	Baumgartner, Norbert (21833277500); Gottesheim, Wolfgang (24314798400); Mitsch, Stefan (23668291300); Retschitzegger, Werner (6602132900); Schwinger, Wieland (56269501100)	2010	93
106	Privacy preserving clustering on horizontally partitioned data	Inan, Ali (56940342400); Kaya, Selim V. (36795844400); Saygin, Yücel (6603336081); Savaş, Erkay (13408788600); Hintoğlu, Ayça A. (8896009800); Levi, Albert (7202560053)	2007	93

107	The incremental method for fast computing the rough fuzzy approximations	Cheng, Yi (7404915200)	2011	91
108	Recommendation-based editor for business process modeling	Koschmider, Agnes (13605575800); Hornung, Thomas (35729958800); Oberweis, Andreas (6601991368)	2011	89
109	An analysis of ontologies and their success factors for application to business	Feilmayr, Christina (34874767500); Wöß, Wolfram (6603077033)	2016	88
110	Mining business process variants: Challenges, scenarios, algorithms	Li, Chen (35148068300); Reichert, Manfred (9734809800); Wombacher, Andreas (11641123900)	2011	87
111	A note on web intelligence, world knowledge and fuzzy logic	Zadeh, Lotfi A. (24613216300)	2004	86
112	Sorting improves word-aligned bitmap indexes	Lemire, Daniel (10238969400); Kaser, Owen (57207523414); Aouiche, Kamel (8850236500)	2010	86
113	A new algorithm for clustering search results	Mecca, Giansalvatore (7003401550); Raunich, Salvatore (16304771900); Pappalardo, Alessandro (16304771200)	2007	85
114	Evolutionary stratified training set selection for extracting classification rules with trade off precision-interpretability	Cano, José Ramón (7201866071); Herrera, Francisco (7102347190); Lozano, Manuel (35617161800)	2007	85
115	OCL-Lite: Finite reasoning on UML/OCL conceptual schemas	Queral, Anna (15122806000); Artale, Alessandro (6601971854); Calvanese, Diego (7004220724); Teniente, Ernest (6602571361)	2012	85
116	Improved model management with aggregated business process models	Reijers, H.A. (6603060277); Mans, R.S. (23100144700); van der Toorn, R.A. (56964122600)	2009	85
117	Towards portable natural language interfaces to knowledge bases - The case of the ORAKEL system	Cimiano, Philipp (15838793700); Haase, Peter (7005272447); Heizmann, Jörg (23396636900); Mantel, Matthias (23985756200); Studer, Rudi (7005848242)	2008	83
118	Incremental clustering of dynamic data streams using connectivity based representative points	Lühr, Sebastian (8714456400); Lazarescu, Mihai (7005603632)	2009	82
119	TBAR: An efficient method for association rule mining in relational databases	Berzal, Fernando (6602612825); Cubero, Juan-Carlos (55663885600); Marín, Nicolás (7003569870); Serrano, José-María (8303717100)	2001	81
120	A survey on summarizability issues in multidimensional modeling	Mazón, Jose-Norberto (14056608400); Lechtenbörger, Jens (6602797202); Trujillo, Juan (7103051196)	2009	81
121	AD-LRU: An efficient buffer replacement algorithm for flash-based databases	Jin, Peiquan (55918177200); Ou, Yi (35113654500); Härder, Theo (7102369185); Li, Zhi (57191700293)	2012	81
122	Integration of association rules and ontologies for semantic query expansion	Song, Min (35243608100); Song, Il-Yeol (57742309500); Hu, Xiaohua (7404710221); Allen, Robert B. (57022798300)	2007	79
123	A MaxMin approach for hiding frequent itemsets	Moustakides, George V. (7003449986); Verykios, Vassilios S. (6602452651)	2008	78
124	Reconciling requirement-driven data warehouses with data sources via multidimensional normal forms	Mazón, Jose-Norberto (14056608400); Trujillo, Juan (7103051196); Lechtenbörger, Jens (6602797202)	2007	78
125	Algorithms for processing K-closest-pair queries in spatial databases	Corral, Antonio (7004661146); Manolopoulos, Yannis (54397260800); Theodoridis, Yannis (56363711300); Vassilakopoulos, Michael (6601985337)	2004	78
126	Conceptual modelling of web information systems	Schewe, Klaus-Dieter (7004152293); Thalheim, Bernhard (6701407841)	2005	78
127	Conceptual modelling of database applications using an extended ER model	Engels, Gregor (7004530938); Gogolla, Martin (6603730578); Hohenstein, Uwe (6602475849); Hülsmann, Klaus (16419922500); Löhr-Richter, Perdita (6503980199); Saake, Gunter	1992	78

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128	View selection using randomized search	Kalnis, Panos (6603477534); Mamoulis, Nikos (6701782749); Papadias, Dimitris (7005757795)	2002	77
129	Principles of component-based design of intelligent agents	Brazier, Frances M.T. (7004291844); Jonker, Catholijn M. (7006702150); Treur, Jan (7006431708)	2002	77
130	An efficient algorithm for incremental mining of temporal association rules	Gharib, Tarek F. (6602973637); Nassar, Hamed (7003638693); Taha, Mohamed (56798711500); Abraham, Ajith (7202760099)	2010	76
131	Rough clustering of sequential data	Kumar, Pradeep (57201180098); Krishna, P. Radha (35834838900); Bapi, Raju. S. (57202447500); De, Supriya Kumar (8691127200)	2007	76
132	The applicability of the perturbation based privacy preserving data mining for real-world data	Liu, Li (57219139525); Kantarcioglu, Murat (23135116900); Thuraisingham, Bhavani (55840981000)	2008	75
133	Explaining instance classifications with interactions of subsets of feature values	Štrumbelj, E. (57204664304); Kononenko, I. (57188535146); Robnik Šikonja, M. (55900495300)	2009	75
134	SnoopIB: Interval-based event specification and detection for active databases	Adaikkalavan, Raman (6505948894); Chakravarthy, Sharma (35588882500)	2006	75
135	Leveraging social media news to predict stock index movement using RNN-boost	Chen, Weiling (57188997356); Yeo, Chai Kiat (7102545548); Lau, Chiew Tong (7401968617); Lee, Bu Sung (7405441352)	2018	74
136	Automatising the learning of lexical patterns: An application to the enrichment of WordNet by extracting semantic relationships from Wikipedia	Ruiz-Casado, Maria (8966688200); Alfonseca, Enrique (8966688000); Castells, Pablo (8928406700)	2007	74
137	Exploiting Wikipedia for cross-lingual and multilingual information retrieval	Sorg, P. (25825701400); Cimiano, P. (15838793700)	2012	74
138	Building and maintaining ontologies: A set of algorithms	Lammari, Nadira (6506404788); Metais, Elisabeth (55871602600)	2004	74
139	Frequent items in streaming data: An experimental evaluation of the state-of-the-art	Manerikar, Nishad (24512091900); Palpanas, Themis (55888054500)	2009	73
140	How to structure and access XML documents with ontologies	Erdmann, Michael (57207901362); Studer, Rudi (7005848242)	2001	72
141	A framework for multidimensional design of data warehouses from ontologies	Romero, Oscar (35318898200); Abelló, Alberto (15073664800)	2010	72
142	Knowledge maps: An essential technique for conceptualization	Gómez, A. (57640195500); Moreno, A. (36441555800); Pazos, J. (6701531887); Sierra-Alonso, A. (6508320753)	2000	72
143	Designing data warehouses	Theodoratos, Dimitri (8410092800); Sellis, Timos (7004880755)	1999	72
144	Extraction of fuzzy rules from fuzzy decision trees: An axiomatic fuzzy sets (AFS) approach	Liu, Xiaodong (55717309300); Feng, Xinghua (57204350711); Pedrycz, Witold (56854903200)	2013	72
145	Active data warehouses: Complementing OLAP with analysis rules	Thalhammer, Thomas (7003698695); Schrefl, Michael (6603818133); Mohania, Mukesh (57191242897)	2001	72
146	Collaborative clustering with background knowledge	Forestier, G. (55911405900); Gançarski, P. (8557869900); Wemmert, C. (6506629808)	2010	71
147	Fast hierarchical clustering and its validation	Dash, Manoranjan (35618180500); Liu, Huan (7409751811); Scheuermann, Peter (7003331049); Tan, Kian Lee (7403999714)	2003	71
148	Mining of ad-hoc business processes with TeamLog	Dustdar, Schahram (6701473617); Hoffmann, Thomas (57197471869); Van Der Aalst, Wil (7007153024)	2005	71

149	Verification problems in conceptual workflow specifications	Ter Hofstede, Arthur H.M. (7004086310); Orłowska, Marie E. (7004285631); Rajapakse, Jayantha (57226098011)	1998	70
150	A model to support collaborative work in virtual enterprises	Perrin, Olivier (6603844132); Godart, Claude (7005233014)	2004	70
151	Node labeling schemes for dynamic XML documents reconsidered	Härder, Theo (7102369185); Haustein, Michael (15757734900); Mathis, Christian (15124495600); Wagner, Markus (55238331400)	2007	70
152	Defining and validating metrics for assessing the understandability of entity-relationship diagrams	Genero, Marcela (35584020200); Poels, Geert (6602187929); Piattini, Mario (7004203473)	2008	70
153	Machine learning from examples: Inductive and Lazy methods	Lopez De Mantaras, Ramon (55665410000); Armengol, Eva (6601995957)	1998	70
154	A general formal framework for schema transformation	Poulovassilis, Alexandra (7003984218); Mc.Brien, Peter (36825340000)	1998	69
155	Efficient mining of group patterns from user movement data	Wang, Yida (12782066400); Lim, Ee-Peng (7201710034); Hwang, San-Yih (7404626333)	2006	69
156	Improving data quality through effective use of data semantics	Madnick, Stuart (7003477810); Zhu, Hongwei (55717947700)	2006	68
157	The consistency extractor system: Answer set programs for consistent query answering in databases	Caniupán, Monica (16041564300); Bertossi, Leopoldo (6701548577)	2010	68
158	DBFS: An effective Density Based Feature Selection scheme for small sample size and high dimensional imbalanced data sets	Alibeigi, Mina (55353176800); Hashemi, Sattar (14038956200); Hamzeh, Ali (13405284800)	2012	68
159	Cancer classification by gradient LDA technique using microarray gene expression data	Sharma, Alok (55482800200); Paliwal, Kuldip K. (7005281122)	2008	67
160	Automatic generation of agents for collecting hidden Web pages for data extraction	Lage, Juliano Palmieri (7006458058); Da Silva, Altigran S. (7402942666); Golgher, Paulo B. (6506718842); Laender, Alberto H.F. (6701595293)	2004	67
161	Modeling consistency of spatio-temporal graphs	Del Mondo, G. (50861162200); Rodríguez, M.A. (12759587200); Claramunt, C. (56054279900); Bravo, L. (8392203200); Thibaud, R. (56025988400)	2013	67
162	Cardinality constraints in semantic data models	Liddle, Stephen W. (57198003518); Embley, David W. (7003716561); Woodfield, Scott N. (7004011286)	1993	67
163	Entity-relationship and object-oriented data modeling - An experimental comparison of design quality	Shoval, Peretz (7003776458); Shiran, Sagit (6603313889)	1997	66
164	Rethinking rank swapping to decrease disclosure risk	Nin, Jordi (13610752300); Herranz, Javier (22979587000); Torra, Vicenç (34881196600)	2008	66
165	Argumentative logics: Reasoning with classically inconsistent information	Elvang-Gøransson, Morten (6506579488); Hunter, Anthony (7402779550)	1995	66
166	A system for mining interesting tourist locations and travel sequences from public geo-tagged photos	Majid, Abdul (59029916100); Chen, Ling (57193157981); Mirza, Hamid Turab (36806461600); Hussain, Ibrar (57211617971); Chen, Gencai (14038605200)	2015	66
167	Schema versioning in data warehouses: Enabling cross-version querying via schema augmentation	Golfarelli, Matteo (6602888121); Lechtenböcker, Jens (6602797202); Rizzi, Stefano (7005314544); Vossen, Gottfried (7003639878)	2006	66
168	Expressiveness in conceptual data modelling	ter Hofstede, A.H.M. (7004086310); van der Weide, Th.P. (6701347928)	1993	66
169	A reference architecture for managing dynamic inter-organizational business processes	Norta, Alex (23036260500); Grefen, Paul (6603685930); Narendra, Nanjangud C. (8835716500)	2014	66
170	Privacy-preserving data publishing for cluster analysis	Fung, Benjamin C.M. (9737587400); Wang, Ke (55712748700); Wang, Lingyu	2009	65

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171	Graph nodes clustering with the sigmoid commute-time kernel: A comparative study	Yen, Luh (22037095200); Fouss, Francois (8685481800); Decaestecker, Christine (7005106147); Francq, Pascal (23392368200); Saerens, Marco (6603603729)	2009	65
172	A Guidelines framework for understandable BPMN models	Corradini, Flavio (55679592700); Ferrari, Alessio (55765001561); Fornari, Fabrizio (57194788362); Gnesi, Stefania (6603718373); Polini, Andrea (8399556900); Re, Barbara (23390178600); Spagnolo, Giorgio O. (16481655400)	2018	65
173	Domain taxonomy learning from text: The subsumption method versus hierarchical clustering	De Knijff, Jeroen (53363380800); Frasinca, Flavius (55885142300); Hogenboom, Frederik (35183140900)	2013	64
174	SBV-Cut: Vertex-cut based graph partitioning using structural balance vertices	Kim, Mijung (56122974200); Candan, K. Selçuk (7003683729)	2012	64
175	Clustering Web pages based on their structure	Crescenzi, Valter (7006793444); Merialdo, Paolo (6602539867); Missier, Paolo (22938389700)	2005	63
176	Interacting services: From specification to execution	Decker, Gero (23391824800); Kopp, Oliver (23467541000); Leymann, Frank (6603379902); Weske, Mathias (23394109900)	2009	63
177	Sequence-based clustering for Web usage mining: A new experimental framework and ANN-enhanced K-means algorithm	Park, Sungjune (7501827163); Suresh, Nallan C. (7004424841); Jeong, Bong-Keun (54410681200)	2008	63
178	Reasoning with individuals in concept languages	Schaerf, Andrea (6701629145)	1994	63
179	EDM: A general framework for Data Mining based on Evidence Theory	Anand, Sarabjot S. (12142953100); Bell, David A. (7403647662); Hughes, John G. (7404720165)	1996	62
180	Supporting Internet-scale multi-agent systems	Wijngaards, N.J.E. (55906616800); Overeinder, B.J. (6602198325); Van Steen, M. (7003870271); Brazier, F.M.T. (7004291844)	2002	61
181	Enriching ontology mappings with semantic relations	Arnold, Patrick (55454185700); Rahm, Erhard (6603724515)	2014	61
182	The Baquara2 knowledge-based framework for semantic enrichment and analysis of movement data	Fileto, Renato (6506788284); May, Cleto (56740117900); Renso, Chiara (6602915124); Pelekis, Nikos (8597980000); Klein, Douglas (56739906600); Theodoridis, Yannis (56363711300)	2015	61
183	Lying versus refusal for known potential secrets	Biskup, Joachim (7003568714); Bonatti, Piero A. (36762897500)	2001	61
184	An integration of WordNet and fuzzy association rule mining for multi-label document clustering	Chen, Chun-Ling (14044633500); Tseng, Frank S.C. (7005751142); Liang, Tyne (7202019264)	2010	60
185	Conceptual query expansion	Grootjen, F.A. (7801414749); Van Der Weide, Th.P. (6701347928)	2006	60
186	Using OWL and SWRL to represent and reason with situation-based access control policies	Beimel, Dizza (22033661900); Peleg, Mor (55928701300)	2011	60
187	Extracting lists of data records from semi-structured web pages	Álvarez, Manuel (42960958000); Pan, Alberto (8236673600); Raposo, Juan (8236673700); Bellas, Fernando (6603449491); Cacheda, Fidel (6507096348)	2008	59
188	A methodology to learn ontological attributes from the Web	Sánchez, David (55672489100)	2010	59
189	Integrity control in relational database systems - an overview	Grefen, Paul W.P.J. (6603685930); Apers, Peter M.G. (6701823341)	1993	59

190	Integrating descriptions of knowledge management learning activities into large ontological structures: A case study	Sicilia, Miguel-Ángel (8266687800); Lytras, Miltiadis (55830169000); Rodríguez, Elena (7401953622); García-Barriocanal, Elena (8951086800)	2006	58
191	The effect of threshold values on association rule based classification accuracy	Coenen, Frans (7004902559); Leng, Paul (7003655801)	2007	58
192	An ontology-based approach for constructing Bayesian networks	Fenz, Stefan (8925433600)	2012	58
193	Mining multiple-level spatial association rules for objects with a broad boundary	Clementini, Eliseo (7003705237); Di Felice, Paolino (35613348600); Koperski, Krzysztof (6603540174)	2000	58
194	Transforming arbitrary tables into logical form with TARTAR	Pivk, Aleksander (6506506924); Cimiano, Philipp (15838793700); Sure, York (8917994000); Gams, Matjaz (35617835400); Rajkovič, Vladislav (7004188845); Studer, Rudi (7005848242)	2007	58
195	Inter-transactional association rules for multi-dimensional contexts for prediction and their application to studying meteorological data	Feng, Ling (59110449700); Dillon, Tharam (24724020500); Liu, James (55851927700)	2001	58
196	Specifying dynamic and deontic integrity constraints	Wieringa, Roel (55948067100); Meyer, John-Jules (8882775600); Weigand, Hans (7005150134)	1989	58
197	Comparison of approaches for estimating reliability of individual regression predictions	Bosnić, Zoran (23566763400); Kononenko, Igor (57188535146)	2008	57
198	Using ontologies with UML class-based modeling: The TwoUse approach	Parreiras, Fernando Silva (15020886600); Staab, Steffen (7004053291)	2010	57
199	Supporting concurrent ontology development: Framework, algorithms and tool	Jiménez Ruiz, E. (15136001900); Grau, B. Cuenca (22834310900); Horrocks, I. (20734105100); Berlanga, R. (6701785415)	2011	57
200	Clicks: An effective algorithm for mining subspace clusters in categorical datasets	Zaki, Mohammed J. (7202243707); Peters, Markus (12241320900); Assent, Ira (6504320861); Seidl, Thomas (7003963258)	2007	57
201	Query evaluation in recursive databases: bottom-up and top-down reconciled	Bry, François (22333353700)	1990	57
202	The atoms, molecules and fibers of organizations	Dietz, Jan L.G. (56379744700)	2003	57
203	An adaptable fine-grained sentiment analysis for summarization of multiple short online reviews	Amplayo, Reinald Kim (57194033228); Song, Min (35243608100)	2017	56
204	Automating the extraction of data from HTML tables with unknown structure	Embley, David W. (7003716561); Tao, Cui (8245410000); Liddle, Stephen W. (57198003518)	2005	56
205	A survey of database design transformations based on the Entity-Relationship model	Fahrner, Christian (6603341793); Vossen, Gottfried (7003639878)	1995	56
206	Deep learning in the COVID-19 epidemic: A deep model for urban traffic revitalization index	Lv, Zhiqiang (57219119913); Li, Jianbo (56034151000); Dong, Chuanhao (57219162943); Li, Haoran (57225130062); Xu, Zhihao (57224214839)	2021	56
207	From biological to social networks: Link prediction based on multi-way spectral clustering	Symeonidis, Panagiotis (13006105800); Iakovidou, Nantia (14044888500); Mantas, Nikolaos (56618661100); Manolopoulos, Yannis (54397260800)	2013	55
208	An information retrieval approach to ontology mapping	Su, Xiaomeng (8704204200); Gulla, Jon Atle (6603727055)	2006	55
209	Efficient mining of traversal patterns	Xiao, Yongqiao (22735880100); Dunham, Margaret H. (7006644382)	2001	55
210	Generalization-based data mining in object-oriented databases using an object cube model	Han, Jiawei (24325399900); Nishio, Shojiro (7202166990); Kawano, Hiroyuki (7201985264); Wang, Wei (19336468000)	1998	55

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212	An ontology-based model for competence management	Miranda, Sergio (57204077313); Orciuoli, Francesco (25122913700); Loia, Vincenzo (35570326700); Sampson, Demetrios (36158903400)	2017	54
213	A cloud services recommendation system based on Fuzzy Formal Concept Analysis	Mezni, Haithem (11141925700); Abdeljaoued, Taher (57202545328)	2018	54
214	Pushing the envelope: Challenges in a frame-based representation of human anatomy	Noy, Natalya F. (57207499057); Musen, Mark A. (7005635736); Mejino Jr., José L. V. (6603140196); Rosse, Cornelius (57204338262)	2004	54
215	Improvements on a heuristic algorithm for multiple-query optimization	Shim, Kyuseok (7102387739); Sellis, Timos (7004880755); Nau, Dana (7006065083)	1994	54
216	From reference ontologies to ontology patterns and back	Ruy, Fabiano B. (22433893100); Guizzardi, Giancarlo (16028392500); Falbo, Ricardo A. (35611352900); Reginato, Cássio C. (56971418000); Santos, Victor A. (57020978400)	2017	54
217	Event-based lossy compression for effective and efficient OLAP over data streams	Cuzzocrea, Alfredo (23388216900); Chakravarthy, Sharma (3558882500)	2010	54
218	User-private information retrieval based on a peer-to-peer community	Domingo-Ferrer, Josep (7004014928); Bras-Amorós, Maria (23007363700); Wu, Qianhong (57203292026); Manjón, Jesús (23091709700)	2009	53
219	An incremental approach to attribute reduction from dynamic incomplete decision systems in rough set theory	Shu, Wenhao (7103148783); Qian, Wenbin (57206747603)	2015	53
220	Candidate interoperability standards: An ontological overlap analysis	Green, Peter (7402935428); Rosemann, Michael (6701701206); Indulska, Marta (8366424900); Manning, Chris (57198093448)	2007	53
221	Efficient mining of platoon patterns in trajectory databases	Li, Yuxuan (56050940600); Bailey, James (7404350735); Kulik, Lars (56262637700)	2015	53
222	Mining usage scenarios in business processes: Outlier-aware discovery and run-time prediction	Folino, Francesco (23666966800); Greco, Gianluigi (7101640146); Guzzo, Antonella (6701539606); Pontieri, Luigi (6602455538)	2011	53
223	Automatic validation of requirements to support multidimensional design	Romero, Oscar (35318898200); Abelló, Alberto (15073664800)	2010	53
224	Extending the state-of-the-art of constraint-based pattern discovery	Bonchi, Francesco (8409976700); Lucchese, Claudio (8873518400)	2007	52
225	Multiple abstraction levels in modelling product structures	Männistö, Tomi (6601957357); Peltonen, Hannu (6701823530); Soininen, Timo (6602641327); Sulonen, Reijo (6701519560)	2001	52
226	A conceptual model for temporal data warehouses and its transformation to the ER and the object-relational models	Malinowski, E. (15136288200); Zimányi, E. (6603324026)	2008	52
227	Improving range-sum query evaluation on data cubes via polynomial approximation	Cuzzocrea, Alfredo (23388216900)	2006	52
228	An integrated framework for de-identifying unstructured medical data	Gardner, James (35240366200); Xiong, Li (47461765600)	2009	51
229	A spatial model for complex objects with a broad boundary supporting queries on uncertain data	Clementini, Eliseo (7003705237); Felice, Paolino Di (35613348600)	2001	51
230	Modelling and reasoning about security requirements in socio-technical systems	Paja, Elda (42962155800); Dalpiaz, Fabiano (24400635100); Giorgini, Paolo (6603873210)	2015	51
231	Data management issues in mobile and peer-to-peer environments	Budiarto (7409724367); Nishio, Shojiro (7202166990); Tsukamoto, Masahiko (35399700000)	2002	51

232	Privacy-preserving back-propagation and extreme learning machine algorithms	Samet, Saeed (55787681200); Miri, Ali (35552579700)	2012	51
233	An efficient algorithm for mining closed inter-transaction itemsets	Lee, Anthony J.T. (55477215500); Wang, Chun-Sheng (55684065600); Weng, Wan-Yu (24333424600); Chen, Yi-An (55870432900); Wu, Huei-Wen (25633315100)	2008	51
234	A Web Ontology Service to facilitate interoperability within a Spatial Data Infrastructure: Applicability to discovery	Lacasta, J. (6507695303); Nogueras-Iso, J. (6602545787); Béjar, R. (16634677000); Muro-Medrano, P.R. (6602250265); Zarazaga-Soria, F.J. (6506921273)	2007	51
235	UFOme: An ontology mapping system with strategy prediction capabilities	Pirró, Giuseppe (19638901800); Talia, Domenico (7003506943)	2010	51
236	RDFProv: A relational RDF store for querying and managing scientific workflow provenance	Chebotko, Artem (8589909400); Lu, Shiyong (7404228150); Fei, Xubo (18037354500); Fotouhi, Farshad (7004286308)	2010	51
237	Using Information Retrieval techniques for supporting data mining	Kouris, Ioannis N. (57911632000); Makris, Christos H. (7004435746); Tsakalidis, Athanasios K. (7004262316)	2005	51
238	Organization and problem ontology for supply chain information support system	Chandra, Charu (7004122799); Tumanyan, Armen (14520714100)	2007	50
239	Privacy-preserving trajectory stream publishing	Al-Hussaeni, Khalil (34972748800); Fung, Benjamin C.M. (9737587400); Cheung, William K. (7202742782)	2014	50
240	Cerno: Light-weight tool support for semantic annotation of textual documents	Kiyavitskaya, Nadzeya (8896684700); Zeni, Nicola (22434005800); Cordy, James R. (6603931586); Mich, Luisa (22433730300); Mylopoulos, John (7005652259)	2009	50
241	Mining patterns from graph traversals	Nanopoulos, Alexandros (6603555418); Manolopoulos, Yannis (54397260800)	2001	50
242	Event identification in web social media through named entity recognition and topic modeling	Vavliakis, Konstantinos N. (24491120700); Symeonidis, Andreas L. (7004087388); Mitkas, Pericles A. (7003488915)	2013	50
243	Generalized union and project operations for pooling uncertain and imprecise information	Bell, D.A. (7403647662); Guan, J.W. (57203611395); Lee, Suk Kyoon (57192514623)	1996	50
244	Business-driven data analytics: A conceptual modeling framework	Nalchigar, Soroosh (23978584000); Yu, Eric (7202680853)	2018	49
245	Using HMM to learn user browsing patterns for focused Web crawling	Liu, Hongyu (8743159400); Janssen, Jeannette (7202776491); Milios, Evangelos (7006232899)	2006	49
246	An efficient infrastructure for native transactional XML processing	Haustein, Michael (15757734900); Härder, Theo (7102369185)	2007	49
247	Schema evolution in object-oriented database systems	Nguyen, G.T. (7102407255); Rieu, D. (57197412085)	1989	49
248	Quo Vadis computer science: From Turing to personal computer, personal content and collective intelligence	Kapetanios, Epaminondas (6603546263)	2008	48
249	Process instantiation	Decker, G. (23391824800); Mendling, J. (6503908779)	2009	48
250	A two-stage methodology for sequence classification based on sequential pattern mining and optimization	Exarchos, Themis P. (8907555000); Tsipouras, Markos G. (6506315682); Papaloukas, Costas (6505790122); Fotiadis, Dimitrios I. (55938920100)	2008	48
251	Web log data warehousing and mining for intelligent web caching	Bonchi, F. (8409976700); Giannotti, F. (7004495132); Gozzi, C. (15746257400); Manco, G. (55002241700); Nanni, M. (7006849378); Pedreschi, D. (6603935985); Renso, C. (6602915124); Ruggieri, S. (35240601200)	2001	48
252	A unified behavioural model and a contract language for extended enterprise	Linington, Peter F. (6603721910); Milosevic, Zoran (56370870500); Cole, James (56305944700); Gibson, Simon	2004	48

		(7201899665); Kulkarini, Sachin (16555395500); Neal, Stephen (36741871700)		
253	Progressive skylining over Web-accessible databases	Lo, Eric (14028731900); Yip, Kevin Y. (7101909946); Lin, King-Ip (7403967698); Cheung, David W. (34567902600)	2006	48
254	Temporal modelling and management of normative documents in XML format	Grandi, Fabio (7004017968); Mandreoli, Federica (6603425981); Tiberio, Paolo (56972448900)	2005	48
255	An illustration of verification and validation in the modelling phase of KBS development	Vanthienen, Jan (7003650333); Mues, Christophe (6603055660); Aerts, Ann (23979486800)	1998	47
256	The phrase-based vector space model for automatic retrieval of free-text medical documents	Mao, Wenlei (8588612600); Chu, Wesley W. (7402227840)	2007	47
257	User recommendations for the optimized execution of business processes	Barba, Irene (15041816300); Weber, Barbara (7401435414); Del Valle, Carmelo (8928660500); Jiménez-Ramírez, Andrés (53979785300)	2013	47
258	Towards efficient variables ordering for Bayesian networks classifier	Hruschka Jr., Estevam R. (57194234770); Ebecken, Nelson F.F. (7005224833)	2007	46
259	COMPENDIUM: A text summarization system for generating abstracts of research papers	Lloret, Elena (25929448300); Romá-Ferri, María Teresa (23670536300); Palomar, Manuel (55664073900)	2013	46
260	An active learning framework for semi-supervised document clustering with language modeling	Huang, Ruizhang (7402950347); Lam, Wai (57203073460)	2009	46
261	Automated discovery of structured process models from event logs: The discover-and-structure approach	Augusto, Adriano (57192104852); Conforti, Raffaele (54392641400); Dumas, Marlon (7201354798); La Rosa, Marcello (23397159700); Bruno, Giorgio (7202705340)	2018	46
262	View selection for designing the global data warehouse	Theodoratos, Dimitri (8410092800); Ligoudistianos, Spyros (15746680300); Sellis, Timos (7004880755)	2001	46
263	Similarity-based ranking and query processing in multimedia databases	Seçuk Candan, K. (7003683729); Li, Wen-Syan (36064148600); Lakshmi Priya, M. (6504752299)	2000	46
264	Materialized view selection under the maintenance time constraint	Liang, Weifa (7402025996); Wang, Hui (55688849300); Orłowska, Maria E. (7004285631)	2001	45
265	On the disclosure risk of multivariate microaggregation	Nin, Jordi (13610752300); Herranz, Javier (22979587000); Torra, Vicenç (34881196600)	2008	45
266	Empirical insights into the development of a service-oriented enterprise architecture	Alwadain, Ayed (54895196300); Fielt, Erwin (6507980548); Korthaus, Axel (55891142000); Rosemann, Michael (6701701206)	2016	45
267	Hierarchical community detection with applications to real-world network analysis	Yang, Bo (57200878440); Di, Jin (35785987400); Liu, Jiming (35230430700); Liu, Dayou (7410100674)	2013	45
268	Clustering classifiers for knowledge discovery from physically distributed databases	Tsoumakas, Grigorios (8088070600); Angelis, Lefteris (6602528674); Vlahavas, Ioannis (57191439209)	2004	45
269	Transaction policies for service-oriented computing	Tai, Stefan (7102829484); Mikalsen, Thomas (6506459176); Wohlstadter, Eric (6602516501); Desai, Nirmal (8250227000); Rouvellou, Isabelle (6602258762)	2004	45
270	Multi-level ontology-based conceptual modeling	Carvalho, Victorio A. (57021111200); Almeida, João Paulo A. (19933751900); Fonseca, Claudenir M. (56564887800); Guizzardi, Giancarlo (16028392500)	2017	45
271	Conceptual schemas with abstractions making flat conceptual schemas more comprehensible	Campbell, Linda J. (11041938400); Halpin, Terry A. (15135487500); Proper, H.A. (6701750449)	1996	45

272	Arbitrarily distributed data-based recommendations with privacy	Yakut, Ibrahim (23398926300); Polat, Huseyin (23397888100)	2012	44
273	Validating quicksand: Temporal schema versioning in τ XSchema	Snodgrass, Richard T. (7006511327); Dyreson, Curtis (6602193402); Currim, Faiz (15122156300); Currim, Sabah (21740829200); Joshi, Shailesh (16642901800)	2008	44
274	Sentiment analysis: An automatic contextual analysis and ensemble clustering approach and comparison	AL-Sharuee, Murtadha Talib (57201582881); Liu, Fei (55717328700); Pratama, Mahardhika (57207799513)	2018	44
275	Stance polarity in political debates: A diachronic perspective of network homophily and conversations on Twitter	Lai, Mirko (56611219700); Tambuscio, Marcella (57189293938); Patti, Viviana (6506947801); Ruffo, Giancarlo (6701651462); Rosso, Paolo (8960238100)	2019	44
276	Towards optimal k-anonymization	Li, Tiancheng (55728907600); Li, Ninghui (16401839500)	2008	43
277	CPI: Constraints-preserving inlining algorithm for mapping XML DTD to relational schema	Lee, Dongwon (55698918200); Chu, Wesley W. (7402227840)	2001	43
278	An EREC framework for e-contract modeling, enactment and monitoring	Krishna, P. Radha (35834838900); Karlapalem, Kamal (55908586300); Chiu, Dickson K.W. (23388109000)	2004	43
279	Approximation of COSMIC functional size to support early effort estimation in Agile	Hussain, Ishrar (57197701534); Kosseim, Leila (23089125200); Ormandjieva, Olga (57203257339)	2013	42
280	Eliciting information for product modeling using process modeling	Lee, Ghang (7404852445); Eastman, Charles M. (7102374797); Sacks, Rafael (7102941790)	2007	42
281	Application of implicit and explicit attribute based collaborative filtering and BIDE for learning resource recommendation	Salehi, Mojtaba (26634273500)	2013	42
282	How to act on inconsistent news: Ignore, resolve, or reject	Hunter, Anthony (7402779550)	2006	42
283	Content-based text querying with ontological descriptors	Andreasen, Troels (7003436503); Jensen, Per Anker (7402088613); Nilsson, Jørgen Fischer (7401810556); Paggio, Patrizia (57194736310); Pedersen, Bolette Sandford (7201713480); Thomsen, Hanne Erdman (7101940888)	2004	42
284	Towards a context-based multi-type policy approach for Web services composition	Maamar, Zakaria (57131369600); Benslimane, Djamel (6603383982); Thiran, Philippe (7004231022); Ghedira, Chirine (9638701200); Dustdar, Schahram (6701473617); Sattanathan, Subramanian (11142167800)	2007	42
285	Visualizing queries on databases of temporal histories: New metaphors and their evaluation	Chittaro, Luca (7004119007); Combi, Carlo (7003413825)	2003	42
286	Hierarchical Censored Production Rules (HCPRs) system	Bharadwaj, K.K. (6602535647); Jain, N.K. (58587117200)	1992	41
287	Privacy-aware collection of aggregate spatial data	Xie, Hairuo (15081717400); Kulik, Lars (56262637700); Tanin, Egemen (8518349200)	2011	41
288	Storing and retrieving XPath fragments in structured P2P networks	Bonifati, Angela (23388210400); Cuzzocrea, Alfredo (23388216900)	2006	41
289	Scaling up top-K cosine similarity search	Zhu, Shiwei (56290658200); Wu, Junjie (35313047900); Xiong, Hui (7201935465); Xia, Guoping (8985606100)	2011	41
290	Information extraction for search engines using fast heuristic techniques	Hong, Jer Lang (35174744700); Siew, Eu-Gene (6603444396); Egerton, Simon (8252012400)	2010	41
291	Towards agent systems engineering	Müller, Heinz Jürgen (7404944905)	1997	41

292	Conceptual modeling for data and knowledge management	Mineau, Guy W. (7004325012); Missaoui, Rokia (6701456715); Godinx, Robert (6504733995)	2000	41
293	A semantic approach to ETL technologies	Bergamaschi, Sonia (7006782238); Guerra, Francesco (23396829400); Orsini, Mirko (22635295300); Sartori, Claudio (7005231097); Vincini, Maurizio (55908307100)	2011	40
294	From decision tables to expert system shells	Vanthienen, J. (7003650333); Wets, G. (55697067400)	1994	40
295	DR-NEGOTIATE - A system for automated agent negotiation with defeasible logic-based strategies	Skylogiannis, Thomas (11639193400); Antoniou, Grigoris (7005674407); Bassiliades, Nick (6603620714); Governatori, Guido (6602545579); Bikakis, Antonis (11641015900)	2007	40
296	Reliable representations for association rules	Xu, Yue (14032389000); Li, Yuefeng (35318087600); Shaw, Gavin (25925420800)	2011	40
297	Knowledge-based system for railway scheduling	Chiang, Te-Wei (57141732100); Hau, Hai-Yen (7003984051); Chiang, Hwan-Ming (8087285200); Ko, Su-Yun (8087285300); Hsieh, Chao-Ho (8087285400)	1998	40
298	Analysis of binary/ternary cardinality combinations in entity-relationship modeling	Jones, Trevor H. (7404294276); Song, Il-Yeol (57742309500)	1996	40
299	Methodology and tool environment for process analysis and reengineering	Castano, Silvana (56267928600); De Antonellis, Valeria (7003813671); Melchiori, Michele (6506793575)	1999	40
300	Knowledge-based techniques to increase the flexibility of workflow management	Dellen, Barbara (6603009481); Maurer, Frank (7102330957); Pews, Gerhard (6506385059)	1997	40
301	Mining taxonomies of process models	Greco, Gianluigi (7101640146); Guzzo, Antonella (6701539606); Pontieri, Luigi (6602455538)	2008	40
302	Integrating Cuckoo search-Grey wolf optimization and Correlative Naive Bayes classifier with Map Reduce model for big data classification	Banchhor, Chitrakant (57194220419); Srinivasu, N. (57197861087)	2020	40
303	Music genre classification based on local feature selection using a self-adaptive harmony search algorithm	Huang, Yin-Fu (7501570675); Lin, Sheng-Min (56291078600); Wu, Huan-Yu (56291260000); Li, Yu-Siou (56291281300)	2014	39
304	Improving XML schema matching performance using Prüfer sequences	Algergawy, Alsayed (26029721900); Schallehn, Eike (6506092710); Saake, Gunter (7004621677)	2009	39
305	A smart web query method for semantic retrieval of web data	Chiang, Roger H.L. (56254265700); Chua, Cecil Eng Huang (7103191337); Storey, Veda C. (7003462863)	2001	39
306	Ranking the sky: Discovering the importance of skyline points through subspace dominance relationships	Vlachou, Akrivi (25824083900); Vazirgiannis, Michalis (7004248278)	2010	39
307	A framework for management of concurrent XML markup	Dekhtyar, Alex (6701713540); Iacob, Ionut E. (6701832064)	2005	39
308	Ontology-driven discourse analysis for information extraction	Cimiano, Philipp (15838793700); Reyle, Uwe (6508011451); Šarić, Jasmin (7006400667)	2005	39
309	Formal modelling of organisational goals based on performance indicators	Popova, Viara (15769918700); Sharpanskykh, Alexei (14042917100)	2011	39
310	Efficient algorithms for incremental maintenance of closed sequential patterns in large databases	Chang, Lei (55255842100); Wang, Tengjiao (7405564727); Yang, Dongqing (7404802323); Luan, Hua (23393438300); Tang, Shiwei (7403436842)	2009	39
311	An optimization of ReliefF for classification in large datasets	Huang, Yue (55717034900); McCullagh, Paul J. (35566862700); Black, Norman D. (7102548199)	2009	38

312	Design of computationally efficient density-based clustering algorithms	Nanda, Satyasai Jagannath (26325893500); Panda, Ganapati (7005294702)	2015	38
313	Category ranking for personalized search	Makris, Christos (7004435746); Panagis, Yannis (56129180600); Sakkopoulos, Evangelos (8977391600); Tsakalidis, Athanasios (7004262316)	2007	38
314	A conceptual theory of part-whole relations and its applications	Gerstl, Peter (6602919236); Pribbenow, Simone (11043315400)	1996	38
315	Privacy-preserving distributed association rule mining via semi-trusted mixer	Yi, Xun (7202267297); Zhang, Yanchun (16177024400)	2007	38
316	Interaction pattern detection in process oriented information systems	Dustdar, Schahram (6701473617); Hoffmann, Thomas (57197471869)	2007	38
317	Association rules mining in vertically partitioned databases	Rozenberg, Boris (36936865900); Gudes, Ehud (7003552107)	2006	38
318	For unknown secrecies refusal is better than lying	Biskup, Joachim (7003568714)	2000	38
319	Reasoning with large ontologies stored in relational databases: The OntoMinD approach	Al-Jadir, Lina (6602770934); Parent, Christine (7006118123); Spaccapietra, Stefano (6701339606)	2010	38
320	Reasoning and change management in modular ontologies	Stuckenschmidt, Heiner (6603168933); Klein, Michel (55693492300)	2007	38
321	A reference architecture for workflow management systems	Grefen, Paul (6603685930); Remmerts De Vries, Remmert N. (6504219708)	1998	38
322	Efficient similarity-based operations for data integration	Schallehn, Eike (6506092710); Sattler, Kai-Uwe (55939258500); Saake, Gunter (7004621677)	2004	38
323	A novel evolutionary multi-objective ensemble learning approach for forecasting currency exchange rates	Bui, Lam Thu (8961832500); Truong Vu, Van (56695298500); Huong Dinh, Thi Thu (57195058261)	2018	38
324	Design and implementation of finite resolution crisp and fuzzy spatial objects	Schneider, Markus (35176572700)	2003	38
325	CoLan: A functional constraint language and its implementation	Bassiliades, N. (6603620714); Gray, P.M.D. (34770065900)	1995	38
326	Deriving static and dynamic concepts from software requirements using sophisticated tagging	Fliedl, Günther (56030984600); Kop, Christian (22333883400); Mayr, Heinrich C. (7103006723); Salbrechter, Alexander (6506820539); Vöhringer, Jürgen (23398845100); Weber, Georg (8960237600); Winkler, Christian (57196904933)	2007	37
327	Refining non-taxonomic relation labels with external structured data to support ontology learning	Weichselbraun, Albert (23471068600); Wohlgenannt, Gerhard (23471051600); Scharl, Arno (36811137000)	2010	37
328	Pattern-growth based frequent serial episode discovery	Achar, Avinash (9637181800); Ibrahim, A. (57206026209); Sastry, P.S. (35410417800)	2013	37
329	Extracting ontological concepts for tendering conceptual structures	Kayed, Ahmad (13605455900); Colomb, Robert M. (6601953763)	2002	37
330	Interaction mining and skill-dependent recommendations for multi-objective team composition	Dorn, Christoph (35317446100); Skopik, Florian (27568141600); Schall, Daniel (15137297900); Dustdar, Schahram (6701473617)	2011	37
331	Temporal and versioning model for schema evolution in object-oriented databases	Galante, Renata De Matos (6602706840); Dos Santos, Clesio Saraiva (7102580320); Edelweiss, Nina (6602611708); Moreira, Álvaro Freitas (8650563700)	2005	37
332	Biological relation extraction and query answering from MEDLINE abstracts using ontology-based text mining	Abulaish, Muhammad (6505934038); Dey, Lipika (6603939167)	2007	37
333	Interpretable Anomaly Prediction: Predicting anomalous behavior in industry 4.0 settings via regularized logistic regression tools	Langone, Rocco (36015436100); Cuzzocrea, Alfredo (23388216900); Skantzios, Nikolaos (6602684331)	2020	37
334	Using semantic templates for a natural language interface to the CINDI virtual library	Stratica, Niculae (8531330500); Kosseim, Leila (23089125200); Desai, Bipin C. (7102897744)	2005	36

335	Transforming semi-honest protocols to ensure accountability	Jiang, Wei (55928915800); Clifton, Chris (7005369127); Kantarcioğlu, Murat (23135116900)	2008	36
336	Improving density-based methods for hierarchical clustering of web pages	Chehreghani, Morteza Haghir (23388320500); Abolhassani, Hassan (56073882900); Chehreghani, Mostafa Haghir (21741760600)	2008	36
337	A process ontology based approach to easing semantic ambiguity in business process modeling	Fan, Shaokun (22133946100); Hua, Zhimin (55502648500); Storey, Veda C. (7003462863); Zhao, J. Leon (35304354800)	2016	36
338	Efficient mining of generalized association rules with non-uniform minimum support	Tseng, Ming-Cheng (8922221400); Lin, Wen-Yang (16033061800)	2007	36
339	Subtyping and polymorphism in object-role modelling	Halpin, T.A. (15135487500); Proper, H.A. (6701750449)	1995	36
340	Modeling and implementing medical Web services	Anzböck, Rainer (8984340200); Dustdar, Schahram (6701473617)	2005	36
341	Relational database design based on the entity-relationship model	Storey, Veda C. (7003462863)	1991	36
342	Business process management: Where business processes and web services meet	van der Aalst, Wil M.P. (7007153024); Benatallah, Boualem (6701493053); Casati, Fabio (7004226469); Curbera, Francisco (6602254289); Verbeek, Eric (7006780913)	2007	35
343	The AMTEx approach in the medical document indexing and retrieval application	Hliaoutakis, Angelos (15020606900); Zervanou, Kaliope (35619590100); Petrakis, Euripides G.M. (7003279520)	2009	35
344	Linear combination of component results in information retrieval	Wu, Shengli (55706872400)	2012	35
345	A novel Multiple Attribute Decision Making approach based on interval data using U2P-Miner algorithm	Golpıra, Hêriş (57191776523)	2018	35
346	Information based data anonymization for classification utility	Li, Jiuyong (57193306418); Liu, Jixue (8416110900); Baig, Muzammil (22033458300); Wong, Raymond Chi-Wing (8703542100)	2011	35
347	Improving web-query processing through semantic knowledge	Conesa, Jordi (22333384000); Storey, Veda C. (7003462863); Sugumaran, Vijayan (57210215570)	2008	35
348	Multimedia indexing through multi-source and multi-language information extraction: The MUMIS project	Saggion, Horacio (6602505471); Cunningham, Hamish (56249644700); Bontcheva, Kalina (6602790600); Maynard, Diana (8704767900); Hamza, Oana (6506218871); Wilks, Yorik (55980465200)	2004	35
349	Efficient discovery of similarity constraints for matching dependencies	Song, Shaoyu (13610279900); Chen, Lei (56442948300)	2013	35
350	On the evaluation of the decision performance of an incomplete decision table	Qian, Yuhua (55645834700); Dang, Chuangyin (7102119418); Liang, Jiye (55552159700); Zhang, Haiyun (37033189100); Ma, Jianmin (35422273700)	2008	35
351	Adding timestamps to the secure electronic auction protocol	Hwang, Min-Shiang (7203023445); Lu, Eric Jui-Lin (7102537079); Lin, Iuon-Chang (7202221026)	2002	34
352	Supporting content-based image retrieval and computer-aided diagnosis systems with association rule-based techniques	Ribeiro, Marcela X. (56187637300); Bugatti, Pedro H. (24331040800); Traina Jr., Caetano (6701924244); Marques, Paulo M.A. (57218760488); Rosa, Natalia A. (23989851300); Traina, Agma J.M. (7003628271)	2009	34
353	C-Phrase: A system for building robust natural language interfaces to databases	Minock, Michael (13908343600)	2010	34
354	An ontology-based expert system for database design	Storey, Veda C. (7003462863); Dey, Debabrata (7101867695); Ullrich, Harald	1998	34

		(7005925175); Sundaresan, Shankar (7102152352)		
355	Managing requirements conflicts in software product lines: A goal and scenario based approach	Kim, Minseong (57219040100); Park, Sooyong (7501831768); Sugumaran, Vijayan (57210215570); Yang, Hwasil (8406517200)	2007	34
356	On mining multi-time-interval sequential patterns	Hu, Ya-Han (7407119412); Huang, Tony Cheng-Kui (7404962426); Yang, Hui-Ru (35194958900); Chen, Yen-Liang (26643032000)	2009	34
357	Supporting interoperability in complex adaptive enterprise systems: A domain specific language approach	Weichhart, Georg (22434267800); Guédria, Wided (35174661500); Naudet, Yannick (55908737100)	2016	34
358	Designing evolving user profile in e-CRM with dynamic clustering of Web documents	Mahdavi, Iraj (16417373200); Cho, Namjae (7201718642); Shirazi, Babak (23026468100); Sahebjamnia, Navid (23986437400)	2008	34
359	A pictorial index mechanism for model-based matching	Grosky, William I. (7004119740); Neo, Peter (6508019614); Mehrotra, Rajiv (7203045531)	1992	34
360	Efficient top-k processing in large-scaled distributed environments	Zhao, Keping (14632675700); Tao, Yufei (7402420191); Zhou, Shuigeng (7404166246)	2007	34
361	Discovering hybrid temporal patterns from sequences consisting of point- and interval-based events	Wu, Shin-Yi (56161485000); Chen, Yen-Liang (26643032000)	2009	34
362	Enhancing information systems management with natural language processing techniques	Métais, Elisabeth (8945126500)	2002	34
363	Design and implementation of a database inference controller	Thuraisingham, Bhavani (55840981000); Ford, William (57197500843); Collins, Marie (55464516400); O'Keeffe, Jonathan (7006443455)	1993	34
364	Evaluating aggregates in possibilistic relational databases	Rundensteiner, Elke A. (7005195084); Bic, Lubomir (7003893985)	1992	34
365	Spatial-aware interest group queries in location-based social networks	Li, Yafei (55523083600); Wu, Dingming (38863471400); Xu, Jianliang (54790595000); Choi, Byron (15057709100); Su, Weifeng (55040788100)	2014	33
366	Development of process execution rules for workload balancing on agents	Ha, Byung-Hyun (7006749563); Bae, Joonsoo (7201386942); Park, Yong Tae (55547105195); Kang, Suk-Ho (7405687084)	2006	33
367	Formal enforcement and management of obligation policies	Elrakaiby, Yehia (25929128500); Cuppens, Frédéric (6701830320); Cuppens-Boulahia, Nora (9536974800)	2012	33
368	Uncertainty in a nested relational database model	Yazici, Adnan (7005892047); Soysal, Alper (57225388901); Buckles, Bill P. (7003561505); Petry, Fred E. (7006378722)	1999	33
369	A fuzzy Petri net model for intelligent databases	Bostan-Korpeoglu, Burcin (6506322039); Yazici, Adnan (7005892047)	2007	33
370	Semantic refinement and error correction in large terminological knowledge bases	Geller, James (16446944800); Gu, Huanying (7402683068); Perl, Yehoshua (7004508983); Halper, Michael (6701922633)	2003	33
371	A generalization of blocking and windowing algorithms for duplicate detection	Draisbach, Uwe (54082943700); Naumann, Felix (7004315741)	2011	32
372	Parallel community detection on large graphs with MapReduce and GraphChi	Moon, Seunghyeon (56039790700); Lee, Jae-Gil (36485021800); Kang, Minseo (56160805000); Choy, Minsoo (56411745200); Lee, Jin-woo (58852976200)	2016	32

373	Arguing regulatory compliance of software requirements	Ingolfo, Silvia (54083189200); Siena, Alberto (24402012300); Mylopoulos, John (7005652259); Susi, Angelo (9038664800); Perini, Anna (7003847681)	2013	32
374	A graph based cluster approach for vertical partitioning in database design	Lin, Xuemin (55489766400); Orłowska, Maria (7004285631); Zhang, Yanchun (16177024400)	1993	32
375	An object-oriented data model formalised through hypergraphs	Levene, M. (7102996980); Poullovassilis, A. (7003984218)	1991	32
376	Automatic hidden-web table interpretation, conceptualization, and semantic annotation	Tao, Cui (8245410000); Embley, David W. (7003716561)	2009	32
377	Expertise ranking using activity and contextual link measures	Schall, Daniel (15137297900)	2012	32
378	Interactive workflow mining-requirements, concepts and implementation	Hammer, Markus (8956386000); Herbst, Joachim (7102716810); Kleiner, Niko (22333974900)	2006	32
379	ANEMONE: An environment for modular ontology development	Özacar, Tuğba (13907075900); Öztürk, Övünç (15124931400); Ünalir, Murat Osman (6506739590)	2011	32
380	Towards a deductive object-oriented database language	Abiteboul, Serge (7005292791)	1990	32
381	Entity-relationship and object-oriented model automatic clustering	Akoka, Jacky (6602134669); Comyn-Wattiau, I. (6603148285)	1996	32
382	An XML Schema integration and query mechanism system	Madria, Sanjay (55665770900); Passi, Kalpdrum (14831680200); Bhowmick, Sourav (7006796096)	2008	32
383	A secure kNN query processing algorithm using homomorphic encryption on outsourced database	Kim, Hyeong-II (35173211400); Kim, Hyeong-Jin (57188998124); Chang, Jae-Woo (7601547342)	2019	32
384	A web page usage prediction scheme using sequence indexing and clustering techniques	Dimopoulos, Costantinos (35317533700); Makris, Christos (7004435746); Panagis, Yannis (56129180600); Theodoridis, Evangelos (55892589000); Tsakalidis, Athanasios (7004262316)	2010	31
385	An information-theoretic filter approach for value weighted classification learning in naive Bayes	Lee, Chang-Hwan (56100542000)	2018	31
386	A completeness analysis of frequent weighted concept lattices and their algebraic properties	Zhang, Sulan (47861533900); Guo, Ping (57198671934); Zhang, Jifu (14033466100); Wang, Xinxin (36669600000); Pedrycz, Witold (56854903200)	2012	31
387	Information extraction for knowledge base construction in the music domain	Oramas, Sergio (55582112200); Espinosa-Anke, Luis (56242866900); Sordo, Mohamed (43462170300); Saggion, Horacio (6602505471); Serra, Xavier (55892979900)	2016	31
388	A semantically enhanced service repository for user-centric service discovery and management	Yu, Jian (56962735000); Sheng, Quan Z. (57208669610); Han, Jun (55908284200); Wu, Yanbo (55707385800); Liu, Chengfei (8843986000)	2012	31
389	Data security	Bertino, Elisa (7102307605)	1998	31
390	Mining non-derivable frequent itemsets over data stream	Li, Haifeng (57190986841); Chen, Hong (56154659700)	2009	31
391	A method of workflow scheduling based on colored Petri nets	Xiao, Zhijiao (14827442900); Ming, Zhong (25960236300)	2011	31
392	Representation of conceptual ETL designs in natural language using Semantic Web technology	Simitis, Alkis (9734806600); Skoutas, Dimitrios (6507025714); Castellanos, Malú (7006691073)	2010	31
393	A retrieval technique for high-dimensional data and partially specified queries	Orlandic, Ratko (6602002519); Yu, Byunggu (7402092613)	2002	31
394	A scenario-based verification technique to assess the compatibility of collaborative business processes	De Backer, Manu (55121824600); Snoeck, Monique (55968864600); Monsieur, Geert (14054473600); Lemahieu, Wilfried	2009	31

		(56195858100); Dedene, Guido (6603898706)		
395	A novel keyword search paradigm in relational databases: Object summaries	Fakas, Georgios John (6603230622)	2011	31
396	Combining schema and instance information for integrating heterogeneous data sources	Zhao, Huimin (55715798200); Ram, Sudha (35608028600)	2007	31
397	Document clustering using synthetic cluster prototypes	Kalogeratos, Argyris (14035833800); Likas, Aristidis (7003844484)	2011	31
398	A system for the semiautomatic generation of E-R models from natural language specifications	Gomez, Fernando (36171558500); Segami, Carlos (6507491513); Delaune, Carl (6505968958)	1999	31
399	Database application evolution: A transformational approach	Hick, Jean-Marc (7004009132); Hainaut, Jean-Luc (57209046908)	2006	31
400	Inferring the semantic properties of sentences by mining syntactic parse trees	Galitsky, Boris A. (6603420071); De La Rosa, Josep Lluís (35580725700); Dobrocsi, Gábor (36439211900)	2012	31
401	Argument-based critics and recommenders: A qualitative perspective on user support systems	Chesñevar, Carlos Iván (6507306290); Maguitman, Ana Gabriela (8335138700); Simari, Guillermo Ricardo (6507037875)	2006	31
402	A semantic repository approach to improve the government to business relationship	Palmonari, Matteo (8835755600); Viscusi, Gianluigi (55979811900); Batini, Carlo (7006303555)	2008	31
403	Semantic integration in Xyleme: A uniform tree-based approach	Delobel, Claude (6602301268); Reynaud, Chantal (22994667000); Rousset, Marie-Christine (7005980183); Sirot, Jean-Pierre (7006657300); Vodislav, Dan (6602660732)	2003	31
404	Ontological anti-patterns: Empirically uncovered error-prone structures in ontology-driven conceptual models	Sales, Tiago Prince (57205212495); Guizzardi, Giancarlo (16028392500)	2015	31
405	Complete rules for n-ary relationship cardinality constraints	McAllister, Andrew (7005949298)	1998	31
406	Specification preservation in schema transformations - Application to semantics and statistics	Hainaut, Jean-Luc (57209046908)	1996	31
407	Checking query containment with the CQC method	Farré, Carles (6701471355); Teniente, Ernest (6602571361); Urpí, Toni (6602911666)	2005	31
408	Types and taxonomic structures in conceptual modeling: A novel ontological theory and engineering support	Guizzardi, Giancarlo (16028392500); Fonseca, Claudenir M. (56564887800); Almeida, João Paulo A. (19933751900); Sales, Tiago Prince (57205212495); Benevides, Alessandro Botti (26632948400); Porello, Daniele (26538147300)	2021	31
409	Distributed events in active database systems: Letting the genie out of the bottle	Koschel, Arne (6506548412); Lockemann, Peter C. (6604054564)	1998	30
410	A UML 2.0 profile to design Association Rule mining models in the multidimensional conceptual modeling of data warehouses	Zubcoff, Jose (8837216500); Trujillo, Juan (7103051196)	2007	30
411	An unsupervised method for joint information extraction and feature mining across different Web sites	Wong, Tak-Lam (9734661600); Lam, Wai (57203073460)	2009	30
412	Privacy-preserving publishing microdata with full functional dependencies	Wang, Hui (34880986300); Liu, Ruilin (55739632100)	2011	30
413	Trigonometric comparison measure: A feature selection method for text categorization	Kim, Kyoungok (55816477100); Zzang, See Young (57204663455)	2019	30
414	Continuous range monitoring of mobile objects in road networks	Stojanovic, Dragan (7007127816); Papadopoulos, Apostolos N. (7101944599); Predic, Bratislav (14007805800); Djordjevic-Kajan, Slobodanka (6507666104); Nanopoulos, Alexandros (6603555418)	2008	30

415	Generalization/specialization and role in object oriented conceptual modeling	Snoeck, Monique (55968864600); Dedene, Guido (6603898706)	1996	30
416	View integration of behavior in object-oriented databases	Preuner, Günter (22433728900); Conrad, Stefan (7102956675); Schrefl, Michael (6603818133)	2001	30
417	Reflective infrastructure for workflow adaptability	Edmond, David (6602322070); Ter Hofstede, Arthur H.M. (7004086310)	2000	30
418	KDDML: A middleware language and system for knowledge discovery in databases	Romei, Andrea (12765040500); Ruggieri, Salvatore (35240601200); Turini, Franco (7004433304)	2006	30
419	Group-based privacy preservation techniques for process mining	Rafiei, Majid (57205140833); van der Aalst, Wil M.P. (7007153024)	2021	30
420	Assessing the quality of domain ontologies: Metrics and an automated ranking system	McDaniel, Melinda (57189343614); Storey, Veda C. (7003462863); Sugumaran, Vijayan (57210215570)	2018	29
421	Insights into enterprise conceptual modeling	Anaby-Tavor, Ateret (24801898700); Amid, David (24801907000); Fisher, Amit (7403452042); Bercovici, Avivit (24802061900); Ossher, Harold (6701359865); Callery, Matthew (35078220300); Desmond, Michael (35078345600); Krasikov, Sophia (23011896400); Simmonds, Ian (56607442100)	2010	29
422	Component development and construction for database design	Thalheim, Bernhard (6701407841)	2005	29
423	A novel knowledge discovering model for mining fuzzy multi-level sequential patterns in sequence databases	Chen, Yen-Liang (26643032000); Huang, Tony Cheng-Kui (7404962426)	2008	29
424	Categorical data visualization and clustering using subjective factors	Chang, Chia-Hui (37092331000); Ding, Zhi-Kai (8243471600)	2005	29
425	Profit-based scheduling and channel allocation for multi-item requests in real-time on-demand data broadcast systems	Lv, Jingsong (36175663500); Lee, Victor C.S. (55606041800); Li, Minming (8948338100); Chen, Enhong (35228685900)	2012	29
426	ON-SMMILE: Ontology Network-based Student Model for Multiple Learning Environments	Yago, Hector (57200725887); Clemente, Julia (27567511700); Rodriguez, Daniel (7202482794); Fernandez-de-Cordoba, Pedro (57218330705)	2018	29
427	Temporal queries and version management in XML-based document archives	Wang, Fusheng (55740430900); Zaniolo, Carlo (35610506100)	2008	29
428	Mining frequent patterns from univariate uncertain data	Liu, Ying-Ho (26659822900)	2012	29
429	Indexing and querying XML using extended Dewey labeling scheme	Lu, Jiaheng (8395934400); Meng, Xiaofeng (7401629959); Ling, Tok Wang (7102284162)	2011	29
430	An analysis of selective tuning schemes for nonuniform broadcast	Yu, Jeffrey Xu (57203435589); Tan, Kian-Lee (7403999714)	1997	29
431	A tree-projection-based algorithm for multi-label recurrent-item associative-classification rule generation	Rak, Rafal (57212916803); Kurgan, Lukasz (6602308535); Reformat, Marek (6603618138)	2008	29
432	Formal deadlock elimination in an object oriented conceptual schema	Dedene, G. (6603898706); Snoeck, M. (55968864600)	1995	29
433	MOVIE: An incremental maintenance system for materialized object views	Ali, M. Akhtar (56797234700); Fernandes, Alvaro A.A. (7201782110); Paton, Norman W. (7101820325)	2003	29
434	A formal model for temporal schema versioning in object-oriented databases	Grandi, Fabio (7004017968); Mandreoli, Federica (6603425981)	2003	29
435	Improving classification models with taxonomy information	Cagliero, Luca (35190145000); Garza, Paolo (36909944300)	2013	28
436	On the quest for easy-to-understand splitting rules	Berzal, Fernando (6602612825); Cubero, Juan-Carlos (55663885600); Cuenca, Fernando (15827232700); Martín-Bautista, María J. (6601983953)	2003	28
437	Data abstractions: Why and how?	Goldstein, Robert C. (57190042423); Storey, Veda C. (7003462863)	1999	28

438	Learning fuzzy rules with their implication operators	Serrurier, Mathieu (55892862500); Dubois, Didier (55936783300); Prade, Henri (7006433595); Sudkamp, Thomas (7003798291)	2007	28
439	Grammar-based multi-objective algorithms for mining association rules	Luna, J.M. (36170791300); Romero, J.R. (14827350700); Ventura, S. (8846948400)	2013	28
440	Mining closed patterns in multi-sequence time-series databases	Lee, Anthony J.T. (55477215500); Wu, Huei-Wen (25633315100); Lee, Tzu-Yu (34875256800); Liu, Ying-Ho (26659822900); Chen, Kuo-Tay (56160338300)	2009	28
441	Establishing relationships among patterns in stock market data	Dorr, Dietmar H. (23969856500); Denton, Anne M. (7004860201)	2009	28
442	New fuzzy c-means clustering model based on the data weighted approach	Tang, Chenglong (55416372800); Wang, Shigang (55849805700); Xu, Wei (56226203700)	2010	28
443	Schema label normalization for improving schema matching	Sorrentino, Serena (23467866400); Bergamaschi, Sonia (7006782238); Gawinecki, Maciej (16244803700); Po, Laura (23467730400)	2010	28
444	SWRL rule-selection methodology for ontology interoperability	de Farias, Tarcisio Mendes (57191512940); Roxin, Ana (24725393700); Nicolle, Christophe (6701366851)	2016	28
445	Specification and derivation of key performance indicators for business analytics: A semantic approach	Maté, Alejandro (42961909600); Trujillo, Juan (7103051196); Mylopoulos, John (7005652259)	2017	28
446	A multiple criteria credit rating approach utilizing social media data	Gül, Sait (57190855556); Kabak, Özgür (6505670449); Topcu, Ilker (57312353700)	2018	28
447	Minimally-supervised extraction of domain-specific part-whole relations using Wikipedia as knowledge-base	Ittoo, Ashwin (16401950800); Bouma, Gosse (56234075600)	2013	28
448	Modelling of set membership: The notion and the issues	Motschnig-Pitrik, Renate (6602136958); Storey, Veda C. (7003462863)	1995	28
449	Mining configurable enterprise information systems	Jansen-Vullers, M.H. (8987574700); Van Der Aalst, W.M.P. (7007153024); Rosemann, M. (6701701206)	2006	28
450	Natural language processing-enhanced extraction of SBVR business vocabularies and business rules from UML use case diagrams	Danenas, Paulius (35338941400); Skersys, Tomas (8420960300); Butleris, Rimantas (6503942524)	2020	28
451	An overlapping community detection algorithm based on rough clustering of links	Gupta, Samrat (57190568843); Kumar, Pradeep (57201180098)	2020	28
452	Accurate and large-scale privacy-preserving data mining using the election paradigm	Magkos, Emmanouil (6507863637); Maragoudakis, Manolis (56209990000); Chrissikopoulos, Vassilis (8453083900); Gritzalis, Stefanos (6701410579)	2009	27
453	Deciding service composition and substitutability using extended operating guidelines	Stahl, Christian (9738444600); Wolf, Karsten (7403134956)	2009	27
454	From RosettaNet PIPs to BPEL processes: A three level approach for business protocols	Khalaf, Rania (6701504029)	2007	27
455	Privacy-preserving imputation of missing data	Jagannathan, Geetha (12240663800); Wright, Rebecca N. (7403911761)	2008	27
456	Set-oriented data mining in relational databases	Houtsma, Maurice (6603500130); Swami, Arun (57201607812)	1995	27
457	Range queries in dynamic OLAP data cubes	Liang, Weifa (7402025996); Wang, Hui (55688849300); Orłowska, Maria E. (7004285631)	2000	27
458	Natural language analysis for semantic document modeling	Brasethvik, Terje (6603261886); Atle Gulla, Jon (6603727055)	2001	27
459	Diagnosing correctness of semantic workflow models	Borrego, Diana (15041652800); Eshuis, Rik (6603379874); Gómez-López, María	2013	27

		Teresa (8889556800); Gasca, Rafael M. (8889556900)		
460	Modeling events as entities in object-oriented conceptual modeling languages	Olivé, Antoni (7005738744); Raventós, Ruth (23088796200)	2006	27
461	Thesaurus construction through knowledge representation	Bechhofer, Sean (6603392974); Goble, Carole (7004072716)	2001	27
462	A Hybrid Semantic Knowledgebase-Machine Learning Approach for Opinion Mining	Alfrjani, Rowida (57193133169); Osman, Taha (7005250246); Cosma, Georgina (24334913600)	2019	27
463	Cell trees: An adaptive synopsis structure for clustering multi-dimensional on-line data streams	Park, Nam Hun (8243345400); Lee, Won Suk (56431466100)	2007	27
464	Making aggregate views self-maintainable	Mohania, Mukesh (57191242897); Kambayashi, Yahiko (35577315600)	2000	27
465	Converting XML DTDs to UML diagrams for conceptual data integration	Jensen, Mikael R. (57206713277); Møller, Thomas H. (57196560827); Pedersen, Torben Bach (7202189773)	2003	27
466	Modifications of the construction and voting mechanisms of the Random Forests Algorithm	Tripoliti, Evanthia E. (16317934700); Fotiadis, Dimitrios I. (55938920100); Manis, George (6701455067)	2013	27
467	Privacy constraint processing in a privacy-enhanced database management system	Thuraisingham, Bhavani (55840981000)	2005	27
468	Information extraction from structured documents using k-testable tree automaton inference	Kosala, Raymond (36194762800); Blockeel, Hendrik (56048035000); Bruynooghe, Maurice (7003850484); Van den Bussche, Jan (7004243631)	2006	27
469	Deploying defeasible logic rule bases for the semantic web	Kontopoulos, Efstratios (13408692000); Bassiliades, Nick (6603620714); Antoniou, Grigoris (7005674407)	2008	27
470	An OODB part-whole model: Semantics, notation and implementation	Halper, Michael (6701922633); Geller, James (16446944800); Perl, Yehoshua (7004508983)	1998	27
471	The impact of psycholinguistic patterns in discriminating between fake news spreaders and fact checkers	Giachanou, Anastasia (56397129600); Ghanem, Bilal (57202362712); Rissola, Esteban A. (57211123067); Rosso, Paolo (8960238100); Crestani, Fabio (56244484700); Oberski, Daniel (37117700800)	2022	27
472	Grammatical specification of domain ontologies	Andreasen, Troels (7003436503); Nilsson, Jørgen Fischer (7401810556)	2004	26
473	Combining ontological profiles with context in information retrieval	Solskinnsbakk, Geir (24475835300); Gulla, Jon Atle (6603727055)	2010	26
474	Hilbert curve-based cryptographic transformation scheme for spatial query processing on outsourced private data	Kim, Hyeong-II (35173211400); Hong, Seungtae (56072402300); Chang, Jae-Woo (7601547342)	2016	26
475	pPOP: Fast yet accurate parallel hierarchical clustering using partitioning	Dash, Manoranjan (35618180500); Petrutiu, Simona (16025680300); Scheuermann, Peter (7003331049)	2007	26
476	PerSSonal's core functionality evaluation: Enhancing text labeling through personalized summaries	Bouras, Christos (7102164662); Pouloupoulos, Vassilis (22986363900); Tsogkas, Vassilis (22986642900)	2008	26
477	Corpus-based semantic role approach in information retrieval	Moreda, Paloma (55967519800); Navarro, Borja (56257241500); Palomar, Manuel (55664073900)	2007	26
478	Design time analysis of multiagent protocols	Yolum, Pinar (8840406900)	2007	26
479	Indexing temporal data using existing B+-trees	Goh, Cheng Hian (7202892343); Lu, Hongjun (7404843983); Ooi, Beng-Chin (55665418900); Tan, Kian-Lee (7403999714)	1996	26
480	Evaluating ontology extraction tools using a comprehensive evaluation framework	Park, Jinsoo (55717035500); Cho, Wonchin (23466242300); Rho, Sangkyu (56238090800)	2010	26
481	Tailor-made data management for embedded systems: A case study on Berkeley DB	Rosenmüller, Marko (35240944800); Apel, Sven (8725218400); Leich, Thomas	2009	26

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482	Workflow analysis with communication norms	Weigand, Hans (7005150134); De Moor, Aldo (7004943182)	2003	26
483	Detection of semantic conflicts in ontology and rule-based information systems	Alcaraz Calero, Jose M. (25721805600); Marín Pérez, Juan M. (36091462900); Bernal Bernabé, Jorge (57195618802); Garcia Clemente, Felix J. (12808508300); Martínez Pérez, Gregorio (7203067256); Gómez Skarmeta, Antonio F. (7004419066)	2010	26
484	Database reverse engineering: From the relational to the binary relationship model	Shoval, Peretz (7003776458); Shreiber, Nili (6504789695)	1993	26
485	An integrated and collaborative framework for business design: A knowledge engineering approach	Seshasai, Satwik (35611027300); Gupta, Amar (8451638300); Kumar, Ashwani (58737906100)	2005	26
486	Anchor modeling - Agile information modeling in evolving data environments	Rönnbäck, L. (36626227700); Regardt, O. (36626433700); Bergholtz, M. (6505905915); Johannesson, P. (7003418047); Wohed, P. (6507266964)	2010	26
487	Microarray gene expression data association rules mining based on BSC-tree and FIS-tree	Jiang, Xiang-Rong (58834552800); Gruenwald, Le (7003477057)	2005	26
488	Fragment-based approximate retrieval in highly heterogeneous XML collections	Sanz, I. (8983994700); Mesiti, M. (7003431065); Guerrini, G. (7003908669); Berlanga, R. (6701785415)	2008	26
489	On multi-scale display of geometric objects	Chan, Edward P.F. (7401994021); Chow, Kevin K.W. (15746474100)	2002	26
490	Query optimization for broadcast database	Si, Antonio (7004050995); Va Leong, Hong (7005127948)	1999	26
491	Ontology-based context modeling in service-oriented computing: A systematic mapping	Cabrera, Oscar (55336482200); Franch, Xavier (6603081752); Marco, Jordi (8332219900)	2017	26
492	Full-fledged semantic indexing and querying model designed for seamless integration in legacy RDBMS	Tekli, Joe (15021255900); Chbeir, Richard (14044674000); Traina, Agma J.M. (7003628271); Traina, Caetano (6701924244); Yetongnon, Kokou (6603559026); Ibanez, Carlos Raymundo (58539276400); Al Assad, Marc (57203180071); Kallas, Christian (57203181422)	2018	26
493	The Tripod spatio-historical data model	Griffiths, Tony (7102183454); Fernandes, Alvaro A.A. (7201782110); Paton, Norman W. (7101820325); Barr, Robert (58434547100)	2004	26
494	Discovering business process simulation models in the presence of multitasking and availability constraints	Estrada-Torres, Bedilia (57191282590); Camargo, Manuel (57188992208); Dumas, Marlon (7201354798); García-Bañuelos, Luciano (8283156200); Mahdy, Ibrahim (57224144133); Yerokhin, Maksym (57208482882)	2021	26
495	The measurement of perceived ontological deficiencies of conceptual modeling grammars	Recker, Jan (14016490200); Rosemann, Michael (6701701206)	2010	25
496	A most influential node group discovery method for influence maximization in social networks: A trust-based perspective	Zhang, Bo (57223840244); Zhang, Lele (57213178937); Mu, Cui (57196083461); Zhao, Qin (57199713215); Song, Qianqian (56597384600); Hong, Xuan (35205323200)	2019	25
497	An approximate duplicate elimination in RFID data streams	Lee, Chun-Hee (57201377124); Chung, Chin-Wan (7403613348)	2011	25
498	A fuzzy document clustering approach based on domain-specified ontology	Yue, Lin (52365135500); Zuo, Wanli (57220731656); Peng, Tao (57224624384); Wang, Ying (36553595400); Han, Xuming (14831326300)	2015	25

499	Modeling and analysis of security trade-offs - A goal oriented approach	Elahi, Golnaz (23469399300); Yu, Eric (7202680853)	2009	25
500	ADDS: A system for automatic database schema design based on the binary-relationship model	Shoval, Peretz (7003776458); Even-Chaime, Moshe (6504385730)	1987	25
501	Towards a reference service model for the Web of Services	Loutas, Nikolaos (24778395200); Peristeras, Vassilios (22734808400); Tarabanis, Konstantinos (6603842415)	2011	25
502	XML structural delta mining: Issues and challenges	Zhao, Qiankun (8730385600); Chen, Ling (55739165000); Bhowmick, Sourav S. (7006796096); Madria, Sanjay (55665770900)	2006	25
503	Formal ontology for subject	Welty, Christopher A. (7004043830); Jenkins, Jessica (7402867639)	1999	25
504	An ontology based approach to the integration of entity-relationship schemas	He, Qi (55231156200); Ling, Tok Wang (7102284162)	2006	25
505	An approach to authorization modeling in object-oriented database systems	Bertino, E. (7102307605); Weigand, H. (7005150134)	1994	25
506	When conceptual model meets grammar: A dual approach to XML data modeling	Nečaský, Martin (24723160000); Mlýnková, Irena (57195429378); Klímek, Jakub (35956632500); Malý, Jakub (36025611300)	2012	25
507	Methodological guidelines for reusing general ontologies	Fernández-López, Mariano (7004064466); Gómez-Pérez, Asunción (6603934482); Suárez-Figueroa, Mari Carmen (56005389600)	2013	25
508	DEQUE: Querying the deep web	Shestakov, Denis (6603495026); Bhowmick, Sourav S. (7006796096); Lim, Ee-Peng (7201710034)	2005	25
509	Anomaly explanation: A review	Yepmo, Véronne (57367227000); Smits, Grégory (35185786000); Pivert, Olivier (6701395936)	2022	25
510	Querying linked data graphs using semantic relatedness: A vocabulary independent approach	Freitas, André (36631806600); Oliveira, João Gabriel (42861980200); O'Riain, Seán (56878816000); Da Silva, João C.P. (24830066700); Curry, Edward (12790805000)	2013	24
511	Multidimensional topic analysis in political texts	Zirn, Cäcilia (24385985200); Stuckenschmidt, Heiner (6603168933)	2014	24
512	Strategies for improving the modeling and interpretability of Bayesian networks	de Santana, Ádamo L. (15072137400); Francês, Carlos R. (8947191900); Rocha, Cláudio A. (10739834500); Carvalho, Solon V. (10045843700); Vijaykumar, Nandamudi L. (6602212981); Rego, Liviane P. (15766120300); Costa, João C. (35567030700)	2007	24
513	Mining frequent itemsets in data streams within a time horizon	Troiano, Luigi (7005130244); Scibelli, Giacomo (3511913300)	2014	24
514	From textual scenarios to a conceptual schema	Fliedl, Günther (56030984600); Kop, Christian (22333883400); Mayr, Heinrich C. (7103006723)	2005	24
515	Subject-based semantic document clustering for digital forensic investigations	Dagher, Gaby G. (55644561800); Fung, Benjamin C.M. (9737587400)	2013	24
516	Indexing shapes in image databases using the centroid-radii model	Tan, Kian-Lee (7403999714); Ooi, Beng Chin (55665418900); Thiang, Lay Foo (6506317367)	2000	24
517	Towards an accurate functional size measurement procedure for conceptual models in an MDA environment	Marín, Beatriz (24481674800); Pastor, Oscar (6701438651); Abran, Alain (7004233119)	2010	24
518	A topic-specific crawling strategy based on semantics similarity	Du, Yajun (7402893744); Pen, Qiangqiang (55908762900); Gao, Zhaoqiong (35179217400)	2013	24
519	Mining sequential patterns across multiple sequence databases	Peng, Wen-Chih (8358716100); Liao, Zhung-Xun (26639622900)	2009	24
520	Warping the time on data streams	Capitani, Paolo (57194635663); Ciaccia, Paolo (7003910715)	2007	24

521	Sequence partitioning for process mining with unlabeled event logs	Walicki, Michał (8386054900); Ferreira, Diogo R. (14826450500)	2011	24
522	Parameter-free classification in multi-class imbalanced data sets	Cerf, Loïc (25027110000); Gay, Dominique (15055689000); Selmaoui-Folcher, Nazha (57260506500); Crémilleux, Bruno (6602534368); Boulicaut, Jean-François (6602733622)	2013	24
523	Extracting generalization hierarchies from relational databases: A reverse engineering approach	Lammari, Nadira (6506404788); Comyn-Wattiau, Isabelle (6603148285); Akoka, Jacky (6602134669)	2007	24
524	A heuristics approach to mine behavioural data logs in mobile malware detection system	Nguyen, Giang (55597236900); Nguyen, Binh Minh (55553743301); Tran, Dang (14523528500); Hluchy, Ladislav (56266247600)	2018	24
525	Overlapping B+-trees: An implementation of a transaction time access method	Tzouramanis, Theodoros (6603251297); Manolopoulos, Yannis (54397260800); Lorentzos, Nikos (6603468960)	1999	24
526	Protection and administration of XML data sources	Bertino, Elisa (7102307605); Castano, Silvana (56267928600); Ferrari, Elena (7202281602); Mesiti, Marco (7003431065)	2002	24
527	Mining globally distributed frequent subgraphs in a single labeled graph	Jiang, Xing (56142213400); Xiong, Hui (7201935465); Wang, Chen (57212922404); Tan, Ah-Hwee (7201882649)	2009	24
528	Towards automatization of domain modeling	Reinhartz-Berger, Iris (55917794500)	2010	24
529	On the selection of secondary indices in relational databases	Choenni, Sunil (6603393078); Blanken, Henk M. (6701673202); Chang, Thiel (7404724615)	1993	24
530	An adaptable distributed query processing architecture	Zhou, Yongluan (9732488300); Ooi, Beng Chin (55665418900); Tan, Kian-Lee (7403999714); Tok, Wee Hyong (6506377708)	2005	24
531	Automatically maintaining wrappers for semi-structured web sources	Raposo, Juan (8236673700); Pan, Alberto (8236673600); Álvarez, Manuel (42960958000); Hidalgo, Justo (14041587000)	2007	24
532	Measures and mechanisms for process monitoring in evolving business networks	Comuzzi, Marco (23007964200); Vonk, Jochem (12244312000); Grefen, Paul (6603685930)	2012	24
533	A foundation for vacuuming temporal databases	Skyt, Janne (6506917603); Jensen, Christian S. (35453638700); Mark, Leo (57211505440)	2003	24
534	Time-dependent concepts: Representation and reasoning using temporal description logics	Bettini, Claudio (26642933000)	1997	24
535	DBHC: A DBSCAN-based hierarchical clustering algorithm	Latifi-Pakdehi, Alireza (57243639300); Daneshpour, Negin (16642124100)	2021	24
536	Modeling metadata in data lakes—A generic model	Eichler, Rebecca (57219157389); Giebler, Corinna (57190404954); Gröger, Christoph (55320339900); Schwarz, Holger (7401907586); Mitschang, Bernhard (6603701448)	2021	24
537	Quality in conceptual modeling: Five examples of the state of the art	Nelson, H. James (7402584267); Poels, Geert (6602187929); Genero, Marcela (35584020200); Piattini, Mario (7004203473)	2005	23
538	Modelling user attitudes using hierarchical sentiment-topic model	Almars, Abdulkader (57196744367); Li, Xue (35183610900); Zhao, Xin (55445707900)	2019	23
539	Using big data and network analysis to understand Wikipedia article quality	Liu, Jun (56783811200); Ram, Sudha (35608028600)	2018	23
540	Improving the performance of question answering with semantically equivalent answer patterns	Kosseim, Leila (23089125200); Yousefi, Jamileh (14027630400)	2008	23

541	Fully homomorphic encryption based two-party association rule mining	Kaasar, Mohammed Golam (16318963900); Paulet, Russell (54179685300); Yi, Xun (7202267297)	2012	23
542	Discovering better navigation sequences for the session construction problem	Bayir, Murat Ali (15057465600); Toroslu, Ismail Hakki (6603451626); Demirbas, Murat (35298825000); Cosar, Ahmet (35298880400)	2012	23
543	Multimodal medical imaging (CT and dynamic MRI) data and computer-graphics multi-physical model for the estimation of patient specific lumbar spine muscle forces	Dao, Tien Tuan (23388225600); Pouletaut, Philippe (6508380339); Charleux, Fabrice (9736233100); Lazáry, Áron (16678985200); Eltes, Peter (56148008400); Varga, Peter Pal (7102671389); Ho Ba Tho, Marie Christine (55883061200)	2015	23
544	A spreading activation-based label propagation algorithm for overlapping community detection in dynamic social networks	Sattari, Mohammad (57198173782); Zamanifar, Kamran (6508072399)	2018	23
545	Combining data-driven systems for improving Named Entity Recognition	Kozareva, Z. (8921219900); Ferrández, O. (35614388300); Montoyo, A. (8921219600); Muñoz, R. (7202035977); Suárez, A. (8921219800); Gómez, J. (57194377061)	2007	23
546	Index structures for matching XML twigs using relational query processors	Chen, Zhiyuan (38163291700); Gehrke, Johannes (7006822445); Korn, Flip (6701564076); Koudas, Nick (6603908248); Shanmugasundaram, Jayavel (6603720890); Srivastava, Divesh (58161615400)	2007	23
547	Every document has a geographical scope	Andogah, G. (35088017700); Bouma, G. (56234075600); Nerbonne, J. (12241373400)	2012	23
548	A framework for the design and evaluation of reverse engineering methods for relational databases	Chiang, Roger H.L. (56254265700); Barron, Terence M. (7007028677); Storey, Veda C. (7003462863)	1996	23
549	Association rules mining using heavy itemsets	Palshikar, Girish K. (55890466600); Kale, Mandar S. (15922612600); Apte, Manoj M. (15922123500)	2007	23
550	Mining fuzzy periodic association rules	Lee, Wan-Jui (7407089681); Jiang, Jung-Yi (37085886600); Lee, Shie-Jue (7601389675)	2008	23
551	Sweeping the disjunctive search space towards mining new exact concise representations of frequent itemsets	Hamrouni, T. (23389102400); Ben Yahia, S. (58346331000); Mephu Nguifo, E. (55666321400)	2009	23
552	An efficient sanitization algorithm for balancing information privacy and knowledge discovery in association patterns mining	Wang, En Tzu (16311291900); Lee, Guanling (7404852860)	2008	23
553	A safe-exit approach for efficient network-based moving range queries	Yung, Duncan (56526613800); Yiu, Man Lung (8589889600); Lo, Eric (14028731900)	2012	23
554	Hiding outliers into crowd: Privacy-preserving data publishing with outliers	Wang, H. (34880986300); Liu, Ruilin (55739632100)	2015	23
555	Content management in the SYNDIKATE system - how technical documents are automatically transformed to text knowledge bases	Hahn, Udo (57205400732); Romacker, Martin (6701413027)	2000	23
556	Generic schema mappings for composition and query answering	Kensche, David (13606268200); Quix, Christoph (23398177400); Li, Xiang (56128890300); Li, Yong (57193136870); Jarke, Matthias (7006359305)	2009	23
557	Non-redundant web services composition based on a two-phase algorithm	Kwon, Joonho (14028548900); Lee, Daewook (18037485700)	2012	23
558	A probabilistic object-oriented data model	Kornatzky, Yoram (6507237459); Shimony, Solomon Eyal (6701483473)	1994	23

559	Adaptive similarity search in streaming time series with sliding windows	Kontaki, Maria (22734349500); Papadopoulos, Apostolos N. (7101944599); Manolopoulos, Yannis (54397260800)	2007	23
560	On compressing frequent patterns	Xin, Dong (9733170200); Han, Jiawei (24325399900); Yan, Xifeng (36083601600); Cheng, Hong (7404284983)	2007	23
561	Improving use case driven analysis using goal and scenario authoring: A linguistics-based approach	Kim, Jintae (57219302689); Park, Sooyong (7501831768); Sugumaran, Vijayan (57210215570)	2006	23
562	Descriptive specification of database object behaviour	Saake, Gunter (7004621677)	1991	23
563	A conceptual framework for large-scale ecosystem interoperability and industrial product lifecycles	Selway, Matt (55785195000); Stumptner, Markus (6701656407); Mayer, Wolfgang (7102522128); Jordan, Andreas (55786048500); Grossmann, Georg (8899707900); Schrefl, Michael (6603818133)	2017	23
564	CM-tree: A dynamic clustered index for similarity search in metric databases	Aronovich, Lior (21741737100); Spiegler, Israel (6603340419)	2007	23
565	Managing structural genomic workflows using Web services	Cavalcanti, Maria Cláudia (7007159537); Targino, Rafael (8899019000); Baião, Fernanda (6603350945); Rössle, Shaila C. (6506360166); Bisch, Paulo M. (7003350034); Pires, Paulo F. (55595376300); Campos, Maria Luiza M. (7202803675); Mattoso, Marta (6602555822)	2005	23
566	An algorithm for k-anonymous microaggregation and clustering inspired by the design of distortion-optimized quantizers	Rebollo-Monedero, David (6505978946); Forné, Jordi (6603223107); Soriano, Miguel (7005888433)	2011	23
567	Logical foundations of multilevel databases	Cuppens, Frederic (6701830320); Gabillon, Alban (14037197600)	1999	23
568	Pairing conceptual modeling with machine learning	Maass, Wolfgang (57400861000); Storey, Veda C. (7003462863)	2021	23
569	An artifact ontology for design science research	Weigand, Hans (7005150134); Johannesson, Paul (7003418047); Andersson, Birger (35729949700)	2021	23
570	Machine learning-based risk prediction model for cardiovascular disease using a hybrid dataset	Kanagarathinam, Karthick (57203041846); Sankaran, Durairaj (57750044800); Manikandan, R. (57204827123)	2022	23
571	CBIR of spine X-ray images on inter-vertebral disc space and shape profiles using feature ranking and voting consensus	Lee, Dah-Jye (7406665619); Antani, Sameer (6701355570); Chang, Yuchou (22633511900); Gledhill, Kent (24824552000); Rodney Long, L. (7201908308); Christensen, Paul (35239872100)	2009	22
572	Usability of upper level ontologies: The case of ResearchCyc	Conesa, Jordi (22333384000); Storey, Veda C. (7003462863); Sugumaran, Vijayan (57210215570)	2010	22
573	A new case-based classification using incremental concept lattice knowledge	Muangprathub, Jirapond (55432888400); Boonjing, Veera (14044594300); Pattaraintakorn, Puntip (56047803100)	2013	22
574	Lossless join property in fuzzy relational databases	Bhuniya, B. (6506413545); Niyogi, P. (36905989200)	1993	22
575	Sampling, information extraction and summarisation of Hidden Web databases	Hedley, Yih-Ling (8406165900); Younas, Muhammad (7003291652); James, Anne (7402662754); Sanderson, Mark (7202315611)	2006	22
576	Data migration: A theoretical perspective	Thalheim, Bernhard (6701407841); Wang, Qing (55698295100)	2013	22
577	Prefetch policies for large objects in a Web-enabled GIS application	Park, Dong-Joo (57220553973); Kim, Hyoung-Joo (55658013300)	2001	22

578	Scaling-invariant boundary image matching using time-series matching techniques	Moon, Yang-Sae (7203055001); Kim, Bum-Soo (55726513700); Kim, Min Soo (57205302154); Whang, Kyu-Young (56259780900)	2010	22
579	A path finding method for constraint checking in deductive databases	Das, Subrata K. (57198674013); Howard Williams, M. (7801541890)	1989	22
580	Analysis of QoS in cooperative services for real time applications	Buccafurri, F. (6701671870); De Meo, P. (6507520114); Fugini, M. (35614277100); Furnari, R. (23396427300); Goy, A. (7004315314); Lax, G. (6505918243); Lops, P. (6602373827); Modafferi, S. (22433642700); Pernici, B. (7004638196); Redavid, D. (8938835600); Semeraro, G. (57108777800); Ursino, D. (7004353802)	2008	22
581	Cover story management	Cuppens, Frederic (6701830320); Gabillon, Alban (14037197600)	2001	22
582	A methodology to quantify failure for risk-based decision support system in digital business ecosystems	Hussain, Omar Khadeer (8618708200); Chang, Elizabeth (26643083000); Hussain, Farookh Khadeer (7101795409); Dillon, Tharam S. (24724020500)	2007	22
583	Generating operation specifications from UML class diagrams: A model transformation approach	Albert, Manoli (15122235100); Cabot, Jordi (8963493600); Gómez, Cristina (35233370700); Pelechano, Vicente (6602440856)	2011	22
584	Digital factory system for dynamic manufacturing network supporting networked collaborative product development	Tchoffa, D. (55356045700); Figay, N. (14048368000); Ghodous, P. (6603661157); Exposito, E. (55882867200); Kermad, Lyes (55289228900); Vosgien, Thomas (55135934700); El Mhamedi, A. (7801316523)	2016	22
585	Indexed-based density biased sampling for clustering applications	Nanopoulos, Alexandros (6603555418); Theodoridis, Yannis (56363711300); Manolopoulos, Yannis (54397260800)	2006	22
586	Debugging the missing is-a structure within taxonomies networked by partial reference alignments	Lambrix, Patrick (6603284353); Liu, Qiang (55712200400)	2013	22
587	Modeling and language support for the management of pattern-bases	Terrovitis, Manolis (36907107900); Vassiliadis, Panos (8892805000); Skiadopoulos, Spiros (6701454305); Bertino, Elisa (7102307605); Catania, Barbara (7003771427); Maddalena, Anna (8897483800); Rizzi, Stefano (7005314544)	2007	22
588	Intensional and extensional integration and abstraction of heterogeneous databases	Palopoli, Luigi (7004141918); Pontieri, Luigi (6602455538); Terracina, Giorgio (7003682146); Ursino, Domenico (7004353802)	2000	22
589	An analysis of structural validity in entity-relationship modeling	Dullea, James (6506536493); Song, Il-Yeol (57742309500); Lamprou, Ioanna (7801460813)	2003	22
590	Computational model for generating interactions in conversational recommender system based on product functional requirements	Baizal, Z.K.A. (55597309600); Widyanoro, Dwi H. (6602725346); Maulidevi, Nur Ulfa (24765228900)	2020	22
591	English, Chinese and ER diagrams	Chen, Peter Pin-Shan (8863738300)	1997	21
592	Exploiting structural similarity for effective Web information extraction	Flesca, Sergio (55926108000); Manco, Giuseppe (55002241700); Masciari, Elio (6506484045); Pontieri, Luigi (6602455538); Pugliese, Andrea (56188010100)	2007	21
593	Assessing clinical trial eligibility with logic expression queries	Lonsdale, D.W. (9279039800); Tustison, C. (14057131400); Parker, C.G. (57214367198); Embley, D.W. (7003716561)	2008	21

594	An efficient index buffer management scheme for implementing a B-tree on NAND flash memory	Lee, Hyun-Seob (35310883700); Lee, Dong-Ho (55636321021)	2010	21
595	Aligning textual and model-based process descriptions	Sánchez-Ferreres, Josep (57194610972); van der Aa, Han (6604024016); Carmona, Josep (22333712700); Padró, Lluís (36725767000)	2018	21
596	Enabling the creation of knowledge about software assets	Klint, Paul (7003784627); Verhoef, Chris (7003616375)	2002	21
597	k-Unlinkability: A privacy protection model for distributed data	Malin, Bradley (6602093073)	2008	21
598	Use of metaphorical structures for internet sites	Thalheim, Bernhard (6701407841); Düsterhöft, Antje (6701437960)	2000	21
599	Array-index: A plug&search K nearest neighbors method for high-dimensional data	Aghbari, Zaher Al (57195975682)	2005	21
600	Soft constraint based pattern mining	Bistarelli, Stefano (7004079468); Bonchi, Francesco (8409976700)	2007	21
601	An autonomic ontology-based approach to manage information in home-based scenarios: From theory to practice	Lasier, N. (35748687800); Alesanco, A. (6506167803); O'Dullivan, D. (57200906520); García, J. (57199441222)	2013	21
602	Privacy-preserving collaborative fuzzy clustering	Lyu, Lingjuan (57189234207); Bezdek, James C. (7005397898); Law, Yee Wei (57216893610); He, Xuanli (57198767130); Palaniswami, Marimuthu (7005048570)	2018	21
603	Efficient and effective Web change detection	Flesca, S. (55926108000); Masciari, E. (6506484045)	2003	21
604	MeDEA: A database evolution architecture with traceability	Domínguez, Eladio (8958017100); Lloret, Jorge (8958016800); Rubio, Ángel L. (56820309700); Zapata, María A. (8958017000)	2008	21
605	A decision support system for designing new services tailored to citizen profiles in a complex and distributed e-government scenario	De Meo, Pasquale (6507520114); Quattrone, Giovanni (6602376639); Ursino, Domenico (7004353802)	2008	21
606	An ontology-driven unifying metamodel of UML Class Diagrams, EER, and ORM2	Keet, C. Maria (8964217800); Fillottrani, Pablo Rubén (13006158600)	2015	21
607	Clustering documents into a web directory for bootstrapping a supervised classification	Adami, Giordano (8705230300); Avesani, Paolo (8369212900); Sona, Diego (55945221700)	2005	21
608	Timetabling through a deductive database: A case study	Monfroglio, Angelo (6701785680)	1988	21
609	Optimizing lock protocols for native XML processing	Haustein, Michael (15757734900); Härder, Theo (7102369185)	2008	21
610	PaaSport semantic model: An ontology for a platform-as-a-service semantically interoperable marketplace	Bassiliades, Nick (6603620714); Symeonidis, Moisis (57206469248); Gouvas, Panagiotis (55887996800); Kontopoulos, Efstratios (13408692000); Meditskos, Georgios (14035720700); Vlahavas, Ioannis (57191439209)	2018	21
611	Research on conceptual modeling: Themes, topics, and introduction to the special issue	Storey, Veda C. (7003462863); Trujillo, Juan C. (7103051196); Liddle, Stephen W. (57198003518)	2015	20
612	Regression analysis for massive datasets	Fan, Tsai-Hung (7202528821); Lin, Dennis K.J. (7403692320); Cheng, Kuang-Fu (7402998351)	2007	20
613	Uncertain data classification with additive kernel support vector machine	Xie, Zongxia (7402267514); Xu, Yong (57110954800); Hu, Qinghua (7403214664)	2018	20
614	Regression output from a remote analysis server	O'Keefe, Christine M. (7004748653); Good, Norm M. (54794099600)	2009	20
615	Optimal and efficient integration of heterogeneous summary tables in a distributed database	Scotney, Bryan (6701586452); McClean, Sally (57218412784); Rodgers, Máire (7102573065)	1999	20

616	Temporally oriented data definitions: Managing schema evolution in temporally oriented databases	Ariav, Gad (6603137048)	1991	20
617	A fast projection algorithm for sequence data searching	Lam, Sze Kin (7402279658); Wong, Man Hon (57204822140)	1998	20
618	On new scheduling policy for the improvement of firm RTDBSs performances	Semghouni, Samy (15064788900); Amanton, Laurent (6507230190); Sadeg, Bruno (6506043993); Berred, Alexandre (15063887400)	2007	20
619	Image indexing and retrieval using signature trees	Nascimento, Mario A. (35808804000); Tousidou, Eleni (6507029315); Chitkara, Vishal (6508035189); Manolopoulos, Yannis (54397260800)	2002	20
620	Combining objects with rules to represent aggregation knowledge in data warehouse and OLAP systems	Prat, Nicolas (22734931800); Comyn-Wattiau, Isabelle (6603148285); Akoka, Jacky (6602134669)	2011	20
621	Discovering concept clusters by decomposing databases	Zhong, Ning (7102138219); Ohsuga, Setsuo (55679296500)	1994	20
622	IMDAS-An integrated manufacturing data administration system	Krishnamurthy, Vishu (7103179918); Su, Stanley Y.W. (7402029931); Lam, Herman (55678764900); Mitchell, Mary (55416563500); Barkmeyer, Ed. (6507200277)	1988	20
623	A temporal blackboard for a multi-agent environment	Botti, V. (35567102400); Barber, F. (7005537787); Crespo, A. (57189591132); Onaindia, E. (6603486804); Garcia-Fornes, A. (6602998791); Ripoll, I. (6602581509); Gallardo, D. (7006727319); Hernández, L. (57190074024)	1995	20
624	A space efficient XML DOM parser	Wang, Fangju (7501312355); Li, Jing (55720887900); Homayounfar, Hooman (15757821000)	2007	20
625	A Fine-Grained Distribution Approach for ETL Processes in Big Data Environments	Bala, Mahfoud (56818670200); Boussaid, Omar (8383254700); Alimazighi, Zaia (24528153700)	2017	20
626	Extending ℓ -diversity to generalize sensitive data	Tian, Hongwei (23995991200); Zhang, Weining (14055120000)	2011	20
627	SQUALL: The expressiveness of SPARQL 1.1 made available as a controlled natural language	Ferré, Sébastien (8974579900)	2014	20
628	Path-index: An approach to the efficient execution of object-oriented queries	Bertino, E. (7102307605); Guglielmina, C. (56802486100)	1993	20
629	Materialization of fragmented views in multidimensional databases	Golfarelli, Matteo (6602888121); Maniezzo, Vittorio (6603850088); Rizzi, Stefano (7005314544)	2004	20
630	Relational database reverse engineering: Algorithms to extract cardinality constraints	Soutou, Christian (6602384482)	1998	20
631	The landscape of smart aging: Topics, applications, and agenda	Song, Il-Yeol (57742309500); Song, Min (35243608100); Timakum, Tatsawan (57197716489); Ryu, Su-Ryeon (57201076685); Lee, Hanju (57192161244)	2018	19
632	Making multiple views self-maintainable in a data warehouse	Liang, Weifa (7402025996); Li, Hui (59065598500); Wang, Hui (55688849300); Orłowska, Maria E. (7004285631)	1999	19
633	Discovering private trajectories using background information	Kaplan, Emre (25926427000); Pedersen, Thomas B. (35747042200); Sava, ErKay (13408788600); Saygin, Yücel (6603336081)	2010	19
634	A model-driven ERP environment with search facilities	Gulla, Jon Atle (6603727055); Brasethvik, Terje (6603261886)	2002	19
635	A hybrid possibilistic approach for Arabic full morphological disambiguation	Bounhas, Ibrahim (35224586000); Ayed, Raja (55336298200); Elayeb, Bilel	2015	19

		(36185179400); Bellamine Ben Saoud, Narjès (15069982900)		
636	Combining classifiers for word sense disambiguation based on Dempster-Shafer theory and OWA operators	Le, Cuong Anh (55665903800); Huynh, Van-Nam (7003274638); Shimazu, Akira (34573287200); Nakamori, Yoshiteru (7004293554)	2007	19
637	Frequent patterns in ETL workflows: An empirical approach	Theodorou, Vasileios (56347435100); Abelló, Alberto (15073664800); Thiele, Maik (23669250600); Lehner, Wolfgang (8856653600)	2017	19
638	Extending ERD modeling notation to fuzzy management of GIS data files	Vert, Gregory (55893590400); Stock, Molly (7102932679); Morris, Ashley (35775288400)	2002	19
639	Performance assessment architecture for collaborative business processes in BPM-SOA-based environment	Hachicha, Maroua (56589650400); Fahad, Muhammad (59088314700); Moalla, Néjib (23100964800); Ouzrout, Yacine (6506918347)	2016	19
640	Graph-based representation for similarity retrieval of symbolic images	Hsieh, Shu-Ming (56250137800); Hsu, Chiun-Chieh (34879866400)	2008	19
641	Schema exchange: Generic mappings for transforming data and metadata	Papotti, Paolo (21743504400); Torlone, Riccardo (57203667445)	2009	19
642	Consistency in model integration	Van Hee, Kees (13605962100); Sidorova, Natalia (8987563300); Somers, Lou (8927035700); Voorhoeve, Marc (6602474771)	2006	19
643	First-order temporal pattern mining with regular expression constraints	de Amo, Sandra (6508122476); Furtado, Daniel A. (16306715300)	2007	19
644	S3: Evaluation of tree-pattern XML queries supported by structural summaries	Izadi, Sayyed Kamyar (25823208600); Härder, Theo (7102369185); Haghjoo, Mostafa S. (56236672600)	2009	19
645	The constituents of business interaction - Generic layered patterns	Lind, Mikael (7103322765); Goldkuhl, Göran (6602963025)	2003	19
646	QMatch - Using paths to match XML schemas	Tansalarak, Naiyana (8898088000); Claypool, Kajal T. (8977043400)	2007	19
647	Value-based predicate filtering of XML documents	Kwon, Joonho (14028548900); Rao, Praveen (7404660391); Moon, Bongki (57203052982); Lee, Sukho (56967677500)	2008	19
648	Shrink: An OLAP operation for balancing precision and size of pivot tables	Golfarelli, Matteo (6602888121); Graziani, Simone (56281709000); Rizzi, Stefano (7005314544)	2014	19
649	Genetic algorithms for approximate similarity queries	Bueno, Renato (12753756800); Traina, Agma J.M. (7003628271); Traina Jr., Caetano (6701924244)	2007	19
650	Incremental materialization of object-oriented views	Alhajj, Reda (7004187647); Elnagar, Ashraf (55940146900)	1999	19
651	Adaptive cell-based index for moving objects	Choi, Wonik (10142104200); Moon, Bongki (57203052982); Lee, Sukho (56967677500)	2004	19
652	EMarketplaces for enterprise and cross enterprise integration	Ghenniwa, Hamada (6601985922); Huhns, Michael N. (7006322216); Shen, Weiming (57605521100)	2005	19
653	COMIC: a system and methodology for conceptual modelling and information construction	Kangassalo, Hannu (6602552491)	1993	19
654	Performance evaluation of the object-relational transformation methodology	Rahayu, Johanna Wenny (6603033227); Chang, Elizabeth (26643083000); Dillon, Tharam S. (24724020500); Taniar, David (7003899641)	2001	19
655	Merging structured text using temporal knowledge	Hunter, Anthony (7402779550)	2002	19
656	The XML Tree Model - toward an XML conceptual schema reversed from XML Schema Definition	Fong, Joseph (7102997014); Cheung, San Kuen (55111696600); Shiu, Herbert (13806401900)	2008	19

657	Learning English and Arabic question similarity with Siamese Neural Networks in community question answering services	Othman, Nouha (57190130617); Faiz, Rim (55920074400); Smaïli, Kamel (6506309427)	2022	19
658	An experimental study on the use of nearest neighbor-based imputation algorithms for classification tasks	Silva, Jonathan De Andrade (23396702400); Hruschka, Eduardo Raul (6603755329)	2013	18
659	On the use of classification reliability for improving performance of the one-per-class decomposition method	Iannello, Giulio (6701387714); Percannella, Gennaro (8980521900); Sansone, Carlo (7004587033); Soda, Paolo (22036116900)	2009	18
660	A complementary approach to data broadcasting in mobile information systems	Chang, Ye-In (7501843059); Yang, Che-Nan (56176133900)	2002	18
661	SummTriver: A new trivergent model to evaluate summaries automatically without human references	Cabrera-Diego, Luis Adrián (55370060300); Torres-Moreno, Juan-Manuel (23398328900)	2018	18
662	Toward principles for the representation of hierarchical knowledge in formal ontologies	Jones, Dean M. (7407677511); Paton, Ray C. (7101885437)	1999	18
663	Finding aliases on the web using latent semantic analysis	Bhat, Vinay (7004547947); Oates, Tim (7005499321); Shanbhag, Vishal (7003307842); Nicholas, Charles (7005623880)	2004	18
664	Automated browsing in AJAX websites	Montoto, Paula (14625428400); Pan, Alberto (8236673600); Raposo, Juan (8236673700); Bellas, Fernando (6603449491); López, Javier (57199936360)	2011	18
665	A novel and powerful hybrid classifier method: Development and testing of heuristic k-nn algorithm with fuzzy distance metric	Kahraman, Hamdi Tolga (23389512500)	2016	18
666	An efficient integer coding index algorithm for multi-scale time information management	Tong, Xiaochong (56270028800); Cheng, Chengqi (10141490000); Wang, Rong (57192169555); Ding, Lu (57192239154); Zhang, Yong (57193890933); Lai, Guangling (57192251548); Wang, Lin (57196331868); Chen, Bo (55723077500)	2019	18
667	Relationship of relationships and other inter-relationship links in E-R model	Rochfeld, Arnold (6508235143); Negros, Pascal (6504128276)	1992	18
668	Analyzing FD inference in relational databases	Hale, John (7202307977); Shenoi, Sujeet (7007157603)	1996	18
669	A robust deterministic annealing algorithm for data clustering	Yang, Xu-Lei (7406500681); Song, Qing (36917377200); Wu, Yi-Lei (16308323900)	2007	18
670	Scalable continual top-k keyword search in relational databases	Xu, Yanwei (35085588300); Guan, Jihong (24314945300); Li, Fengrong (55494491400); Zhou, Shuigeng (7404166246)	2013	18
671	Breaching Euclidean distance-preserving data perturbation using few known inputs	Giannella, Chris R. (9841176700); Liu, Kun (55729549900); Kargupta, Hillol (6603846799)	2013	18
672	System-of-systems support — A bigraph approach to interoperability and emergent behavior	Sary, Chris (7003448093); Wachholder, Dominik (55173955500)	2016	18
673	Combining active rules and metaclasses for enhanced extensibility in object-oriented systems	Paton, Norman W. (7101820325); Diaz, Oscar (35609868700); Barja, Maria L. (6602764254)	1993	18
674	Mining frequent tree-like patterns in large datasets	Chen, Tzung-Shi (7405542479); Hsu, Shih-Chun (36789851700)	2007	18
675	Event ordering using TERSEO system	Saquete, E. (6602658984); Muñoz, R. (7202035977); Martínez-Barco, P. (8927588100)	2006	18
676	XML twig pattern matching using version tree	Wu, Xin (56129384400); Liu, Guiquan (7501457713)	2008	18

677	An integer programming based approach for verification and diagnosis of workflows	Eshuis, Rik (6603379874); Kumar, Akhil (56169882200)	2010	18
678	Load-aware inter-co-processor parallelism in database query processing	Breß, Sebastian (55418987000); Siegmund, Norbert (25825645900); Heimel, Max (55347506500); Saecker, Michael (55566919100); Lauer, Tobias (56276012400); Bellatreche, Ladjel (15073752300); Saake, Gunter (7004621677)	2014	18
679	Supporting temporal text-containment queries in temporal document databases	Nørvåg, Kjetil (6701624663)	2004	18
680	Benchmarking the effectiveness of sequential pattern mining methods	Kum, Hye-Chung (6507572490); Chang, Joong Hyuk (8412239000); Wang, Wei (55157954300)	2007	18
681	A flexible framework to ease nearest neighbor search in multidimensional data spaces	Barrena, Manuel (22333708100); Jurado, Elena (33067725100); Márquez-Neila, Pablo (24825059000); Pachón, Carlos (57193911823)	2010	18
682	Hierarchical clustering of XML documents focused on structural components	Costa, Gianni (55511748506); Manco, Giuseppe (55002241700); Ortale, Riccardo (6506673497); Ritacco, Ettore (34977409700)	2013	18
683	CX-DIFF: A change detection algorithm for XML content and change visualization for WebVigil	Jacob, Jyoti (7402566153); Sachde, Alpa (6506935813); Chakravarthy, Sharma (35588882500)	2005	18
684	Knowledge discovery by probabilistic clustering of distributed databases	McClean, Sally (57218412784); Scotney, Bryan (6701586452); Morrow, Philip (7102131551); Greer, Kieran (8110553700)	2005	18
685	Reducing the search space for conceptual schema transformation	van Bommel, P. (8071997500); van der Weide, Th.P. (6701347928)	1992	18
686	A unified modelling language without referential redundancy	Opdahl, Andreas L. (6701447208); Henderson-Sellers, Brian (7005736664)	2005	18
687	Selectivity estimation of range queries based on data density approximation via cosine series	Yan, Feng (55181095500); Hou, Wen-Chi (7203073035); Jiang, Zhewei (14034401100); Luo, Cheng (36708008300); Zhu, Qiang (35730653700)	2007	18
688	An approach to test-driven development of conceptual schemas	Tort, Albert (35724404600); Olivé, Antoni (7005738744); Sancho, Maria-Ribera (7005669661)	2011	18
689	Understanding database design expertise	Storey, Veda C. (7003462863); Thompson, Cheryl Bagley (7404238719); Ram, Sudha (35608028600)	1995	18
690	Relational decomposition through partial functional dependencies	Berzal, F. (6602612825); Cubero, J.C. (55663885600); Cuenca, F. (15827232700); Medina, J.M. (25929465600)	2002	18
691	CDOL: A comprehensive declarative object language	Urban, Susan D. (7102111017); Karadimce, Anton P. (6602779824); Dietrich, Suzanne W. (7102432365); Abdellatif, Taoufik Ben (6505958907); Chan, Hon Wai Rene (7403402868)	1997	18
692	Discovering rare correlated periodic patterns in multiple sequences	Fournier-Viger, Philippe (14048484800); Yang, Peng (57209241904); Li, Zhitian (57203764781); Lin, Jerry Chun-Wei (56449520400); Kiran, Rage Uday (57200830513)	2020	18
693	COPri v.2 — A core ontology for privacy requirements	Gharib, Mohamad (25928388800); Giorgini, Paolo (6603873210); Mylopoulos, John (7005652259)	2021	18
694	A fuzzy clustering technique for enhancing the convergence performance by using improved Fuzzy c-means and Particle Swarm Optimization algorithms	Kumar, Niteesh (57214110498); Kumar, Harendra (7102422412)	2022	18

695	Analysis of part-whole relation and subsumption in the medical domain	Bernauer, Jochen (7004118801)	1996	17
696	Structure of morphologically expanded queries: A genetic algorithm approach	Araujo, Lourdes (57197210585); Zaragoza, Hugo (55885334800); Pérez-Agüera, Jose R. (14834192700); Pérez-Iglesias, Joaquín (26422467800)	2010	17
697	Hierarchical aggregation of Service Level Agreements	Ul Haq, Irfan (24450516000); Huqqani, Altaf Ahmad (34976818900); Schikuta, Erich (6601975369)	2011	17
698	Image retrieval system using R-tree self-organizing map	Subramanyam Rallabandi, V.P. (23986093700); Sett, S.K. (11538780600)	2007	17
699	A clustering method based on path similarities of XML data	Choi, Ilhwan (15764300500); Moon, Bongki (57203052982); Kim, Hyoung-Joo (55658013300)	2007	17
700	Geospatial data streams: Formal framework and implementation	Galić, Z. (16743763900); Baranović, M. (8657284900); Križanović, K. (821222200); Mešković, E. (49561581700)	2014	17
701	Personalisation of web information systems - A term rewriting approach	Schewe, Klaus-Dieter (7004152293); Thalheim, Bernhard (6701407841)	2007	17
702	A fuzzy expert database system	Leung, K.S. (57208699274); Wong, M.H. (57204925649); Lam, W. (57203073460)	1989	17
703	Modelling data secrecy and integrity	Pernul, Günther (6604039051); Tjoa, A. Min (6701811086); Winiwarter, Werner (57224438042)	1998	17
704	Explanatory capability of enterprise models	Kirikova, Marite (6602511943)	2000	17
705	Inter-enterprise architecture as a tool to empower decision-making in hierarchical collaborative production planning	Vargas, Alix (54394340000); Boza, Andres (24482977800); Patel, Shushma (7403903524); Patel, Dilip (35514395600); Cuenca, Llanos (24482988600); Ortiz, Angel (23668694000)	2016	17
706	DTD-Diff: A change detection algorithm for DTDs	Leonardi, Erwin (8833957000); Hoai, Tran T. (56285926200); Bhowmick, Sourav S. (7006796096); Madria, Sanjay (55665770900)	2007	17
707	Conceptual modeling for customized XML schemas	Elmasri, Ramez (7003815880); Li, Qing (57219134883); Fu, Jack (8245410400); Wu, Yu-Chi (56093537400); Hojabri, Babak (8245410600); Ande, Swathi (8245410700)	2005	17
708	Optimal tag suppression for privacy protection in the semantic Web	Parra-Arnau, Javier (35111669300); Rebollo-Monedero, David (6505978946); Forné, Jordi (6603223107); Muñoz, Jose L. (35230558200); Esparza, Oscar (55933071200)	2012	17
709	QETL: An approach to on-demand ETL from non-owned data sources	Baldacci, Lorenzo (57064489100); Golfarelli, Matteo (6602888121); Graziani, Simone (56281709000); Rizzi, Stefano (7005314544)	2017	17
710	Adoption of OSS components: A goal-oriented approach	López, Lidia (53880069900); Costal, Dolors (15043935700); Ayala, Claudia P. (8922223900); Franch, Xavier (6603081752); Annosi, Maria Carmela (35096114200); Glott, Ruediger (35811837000); Haaland, Kirsten (35811870200)	2015	17
711	A supervised gradient-based learning algorithm for optimized entity resolution	Reyes-Galaviz, Orion F. (8964514100); Pedrycz, Witold (56854903200); He, Ziyue (57196469921); Pizzi, Nick J. (35509717000)	2017	17
712	Data models and query languages for spatial databases	Paredaens, Jan (7003867115); Kuijpers, Bart (6701390297)	1998	17
713	A privacy preserving technique for distance-based classification with worst case privacy guarantees	Mukherjee, Shibnath (57212614148); Banerjee, Madhushri (24376403600);	2008	17

		Chen, Zhiyuan (38163291700); Gangopadhyay, Aryya (7101627008)		
714	Selecting and materializing horizontally partitioned warehouse views	Ezeife, C.I. (57203236038)	2001	17
715	Proof explanation for a nonmonotonic Semantic Web rules language	Antoniou, Grigoris (7005674407); Bikakis, Antonis (11641015900); Dimareisis, Nikos (23008387000); Genetzakis, Manolis (57212904726); Georgalis, Giannis (55402757800); Governatori, Guido (6602545579); Karouzaki, Efi (56267594500); Kazepis, Nikolas (23397146300); Kosmadakis, Dimitris (23397033100); Kritsotakis, Manolis (23397180700); Lilis, Giannis (23397371300); Papadogiannakis, Antonis (16643938600); Pediaditis, Panagiotis (23398178300); Terzakis, Constantinos (23398514300); Theodosaki, Rena (23398497300); Zeginis, Dimitris (23399189000)	2008	17
716	Normalising OLAP cubes for controlling sparsity	Niemi, Tapio (57215042589); Nummenmaa, Jyrki (6507393852); Thanisch, Peter (6602543167)	2003	17
717	Extracting conceptual relationships from specialized documents	Hui, Bowen (57220446028); Yu, Eric (7202680853)	2005	17
718	Constraint acquisition for Entity-Relationship models	Hartmann, Sven (57203030657); Link, Sebastian (57216140462); Trinh, Thu (14030663700)	2009	17
719	Object-extended OLAP querying	Pedersen, Torben Bach (7202189773); Gu, Junmin (7403129967); Shoshani, Arie (6701859120); Jensen, Christian S. (35453638700)	2009	17
720	Towards an intelligent database system founded on the SP theory of computing and cognition	Wolff, J. Gerard (16041004600)	2007	17
721	Reasoning for Web document associations and its applications in site map construction	Candan, K.Selçuk (7003683729); Li, Wen-Syan (36064148600)	2002	17
722	A mathematical analysis of theories of parthood	Pontow, Carsten (14048967400); Schubert, Rainer (7202490346)	2006	17
723	Updating XML views published over relational databases: Towards the existence of a correct update mapping	Wang, Ling (55721342300); Rundensteiner, Elke A. (7005195084); Mani, Murali (14028654300)	2006	17
724	Constraint modelling using a conceptual prototyping language	Dignum, F. (7003423512); Kemme, T. (6507012608); Kreuzen, W. (6504819532); Weigand, H. (7005150134); van de Riet, R.P. (59019194400)	1987	17
725	Variable set semantics for keyed generalized sketches: Formal semantics for object identity and abstract syntax for conceptual modeling	Diskin, Zinovy (25653534600); Kadish, Boris (6507951456)	2003	17
726	Forecasting cryptocurrency prices using Recurrent Neural Network and Long Short-term Memory	Nasirtafreshi, I. (57575286500)	2022	17
727	Ontology-based semantic retrieval of documents using Word2vec model	Sharma, Anil (57224228606); Kumar, Suresh (58226086400)	2023	17
728	Business process management	Pernici, Barbara (7004638196); Weske, Mathias (23394109900)	2006	16
729	Linguistically based requirements engineering - the NIBA-project	Fliedl, Günther (56030984600); Kop, Christian (22333883400); Mayr, Heinrich C. (7103006723); Mayerthaler, Willi (6507665789); Winkler, Christian (57196904933)	2000	16
730	PSQL: A query language for probabilistic relational data	Dey, Debabrata (7101867695); Sarkar, Sumit (7403239069)	1998	16

731	Entity matching across heterogeneous data sources: An approach based on constrained cascade generalization	Zhao, Huimin (55715798200); Ram, Sudha (35608028600)	2008	16
732	Application integration on the user interface level: An ontology-based approach	Paulheim, Heiko (35095438500); Probst, Florian (22433259400)	2010	16
733	Extraction of the mismatch negativity elicited by sound duration decrements: A comparison of three procedures	Kalyakin, Igor (16686302600); González, Narciso (24733772200); Ivannikov, Andriy (24821864500); Lyytinen, Heikki (7003383505)	2009	16
734	Categorization of malicious behaviors using ontology-based cognitive agents	Manzoor, Umar (10939408900); Nefti, Samia (6506214565); Rezgui, Yacine (6701829347)	2013	16
735	An approach towards an event-fed solution for slowly changing dimensions in data warehouses with a detailed case study	Manh Nguyen, Tho (55473699600); Min Tjoa, A. (6701811086); Nemec, Jaromir (8896012000); Windisch, Martin (8896012100)	2007	16
736	Supporting web query expansion efficiently using multi-granularity indexing and query processing	Li, Wen-Syan (36064148600); Agrawal, Divyakant (35561936700)	2000	16
737	Spoken query processing for interactive information retrieval	Crestani, Fabio (56244484700)	2002	16
738	Large scale instance selection by means of federal instance selection	De Haro-García, Aida (25824892600); García-Pedrajas, Nicolás (57193304745); Del Castillo, Juan Antonio Romero (57202798400)	2012	16
739	Broadcast program generation for Webcasting	Katsaros, Dimitrios (7005894738); Manolopoulos, Yannis (54397260800)	2004	16
740	An approach to testing conceptual schemas	Tort, Albert (35724404600); Olivé, Antoni (7005738744)	2010	16
741	On mapping natural language constructs into relational algebra through E-R representation	Tseng, Frank S.C. (7005751142); Chen, Arbee L.P. (55946026800); Yang, Wei-Pang (7407760652)	1992	16
742	A framework for object migration in object-oriented databases	Li, Qing (56190105400); Dong, Guozhu (7201472423)	1994	16
743	HECODES: a framework for HEterogeneous COoperative distributed expert systems	Zhang, C. (7405493634); Bell, D.A. (7403647662)	1991	16
744	Efficiency frontiers of XML cardinality constraints	Ferrarotti, Flavio (14029653300); Hartmann, Sven (57203030657); Link, Sebastian (57216140462)	2013	16
745	A data model for approximate query processing of real-time databases	Vrbsky, S.V. (6603944985)	1996	16
746	Mapping between heterogeneous XML and OWL transaction representations in B2B integration	Cardoso, Jorge (55429578600); Bussler, Christoph (55952292300)	2011	16
747	Spatio-temporal outlier detection algorithms based on computing behavioral outlieriness factor	Duggimpudi, Maria Bala (57193336514); Abbady, Shaaban (57201308343); Chen, Jian (57196224747); Raghavan, Vijay V. (7103398123)	2019	16
748	Cardinality constraints on qualitatively uncertain data	Hall, Neil (56732478600); Koehler, Henning (18434000500); Link, Sebastian (57216140462); Prade, Henri (7006433595); Zhou, Xiaofang (8837009900)	2015	16
749	Temporal semantics of compositional task models and problem solving methods	Brazier, Frances M.T. (7004291844); Treur, Jan (7006431708); Wijngaards, Niek J.E. (55906616800); Willems, Mark (7007150399)	1999	16
750	Matching parse thickets for open domain question answering	Galitsky, Boris (6603420071)	2017	16
751	Formulating global integrity constraints during derivation of global schema	Reddy, M.P. (25935155400); Prasad, B.E. (7202312540); Gupta, Amar (8451638300)	1995	16
752	Merging potentially inconsistent items of structured text	Hunter, Anthony (7402779550)	2000	16

753	FRACTURE mining: Mining frequently and concurrently mutating structures from historical XML documents	Chen, Ling (55739165000); Bhowmick, Sourav S. (7006796096); Chia, Liang-Tien (7006349482)	2006	16
754	Modeling relationships in object-relational databases	Soutou, Christian (6602384482)	2001	16
755	Maintaining replicated authorizations in distributed database systems	Samarati, Pierangela (7003903487); Ammann, Paul (7007049030); Jajodia, Sushil (26643360000)	1996	16
756	Graphical query formulation for an entity-relationship model	Campbell, Douglas M. (59099903500); Embley, David W. (7003716561); Czejdo, Bogdan (7004071603)	1987	16
757	Consensus clustering algorithm based on the automatic partitioning similarity graph	Hamidi, Seyed Saeed (57211269982); Akbari, Ebrahim (57222808119); Motameni, Homayun (26768080800)	2019	16
758	Social emotion classification based on noise-aware training	Li, Xin (57004995000); Rao, Yanghui (55753260800); Xie, Haoran (57219619828); Liu, Xuebo (57030826600); Wong, Tak-Lam (9734661600); Wang, Fu Lee (7501312845)	2019	16
759	Compressive approaches for cross-language multi-document summarization	Linhares Pontes, Elvys (57188731421); Huet, Stéphane (34972907200); Torres-Moreno, Juan-Manuel (23398328900); Linhares, Andréa Carneiro (23978348200)	2020	16
760	Multi-level conceptual modeling: Theory, language and application	Fonseca, Claudenir M. (56564887800); Almeida, João Paulo A. (19933751900); Guizzardi, Giancarlo (16028392500); Carvalho, Victorio A. (57021111200)	2021	16
761	Toward higher-level abstractions for software systems	Shaw, Mary (7401651885)	1990	15
762	Graph based knowledge discovery using MapReduce and SUBDUE algorithm	Velampalli, Sirisha (57189003636); Jonnalagedda, Murthy V. (23985799500)	2017	15
763	A fast HTML web page change detection approach based on hashing and reducing the number of similarity computations	Artail, Hassan (6602943327); Fawaz, Kassem (24376239000)	2008	15
764	Expressiveness and language choice	Mackinlay, Jock (6701883109); Genesereth, Michael R. (6701346479)	1985	15
765	Rhetorical Structure Theory for polarity estimation: An experimental study	Chenlo, José M. (54580665800); Hogenboom, Alexander (35107223400); Losada, David E. (6603448154)	2014	15
766	A probabilistic evaluation procedure for process model matching techniques	Kuss, Elena (57192103551); Leopold, Henrik (36245147600); van der Aa, Han (6604024016); Stuckenschmidt, Heiner (6603168933); Reijers, Hajo A. (6603060277)	2018	15
767	Data privacy protection in multi-party clustering	Yang, Weijia (16176865400); Huang, Shangteng (23388808000)	2008	15
768	Multi-view fuzzy information fusion in collaborative filtering recommender systems: Application to the urban resilience domain	Palomares, Iván (36462782600); Browne, Fiona (57189717324); Davis, Peadar (55464237000)	2018	15
769	Multiple-query optimization at algorithm-level	Kang, Myong H. (7401549586); Dietz, Henry G. (56905205000); Bhargava, Bharat (7103137823)	1994	15
770	Adaptive natural language interfaces to FAQ knowledge bases	Winiwarter, Werner (57224438042)	2000	15
771	An approximate algorithm for top-k closest pairs join query in large high dimensional data	Angiulli, Fabrizio (6602791401); Pizzuti, Clara (6701593553)	2005	15
772	Classifying text streams by keywords using classifier ensemble	Yang, Baoguo (56306631200); Zhang, Yang (7405433430); Li, Xue (35183610900)	2011	15
773	Comparing functionality of software systems: An ontological approach	Reinhartz-Berger, Iris (55917794500); Sturm, Arnon (13806876400); Wand, Yair (58450943600)	2013	15

774	INSiGHT: A system to detect violent extremist radicalization trajectories in dynamic graphs	Hung, Benjamin W.K. (57192311873); Jayasumana, Anura P. (7006842447); Bandara, Vidarshana W. (26646276500)	2018	15
775	Databases and the geometry of knowledge	Brazhnik, Olga (6507298179)	2007	15
776	Linguistic based search facilities in snowflake-like database schemes	Düsterhöft, Antje (6701437960); Thalheim, Bernhard (6701407841)	2004	15
777	A network aware privacy model for online requests in trajectory data	Gkoulalas-Divanis, Aris (18233379400); Verykios, Vassilios S. (6602452651); Bozanis, Panayiotis (6602302218)	2009	15
778	Ontology-based mappings	Mecca, Giansalvatore (7003401550); Rull, Guillem (24403186100); Santoro, Donatello (23398368900); Teniente, Ernest (6602571361)	2015	15
779	Time-evolving rule-based knowledge bases	Lorentzos, N.A. (6603468960); Yialouris, C.P. (8442388400); Sideridis, A.B. (6603426923)	1999	15
780	On efficient mutual nearest neighbor query processing in spatial databases	Gao, Yunjun (14038661300); Zheng, Baihua (7201781454); Chen, Gencai (14038605200); Li, Qing (56190105400)	2009	15
781	Self-monitoring query execution for adaptive query processing	Gounaris, Anastasios (6603748845); Paton, Norman W. (7101820325); Fernandes, Alvaro A.A. (7201782110); Sakellariou, Rizos (6701361478)	2004	15
782	Validation of mappings between schemas	Rull, Guillem (24403186100); Farré, Carles (6701471355); Teniente, Ernest (6602571361); Urpí, Toni (6602911666)	2008	15
783	ComMapReduce: An improvement of MapReduce with lightweight communication mechanisms	Ding, Linlin (24334748500); Wang, Guoren (8593737100); Xin, Junchang (23399268700); Wang, Xiaoyang (55250560200); Huang, Shan (55736124700); Zhang, Rui (54947068500)	2013	15
784	Inheritance hierarchy design in object-oriented databases	Beerl, Catriel (7004569321); Formica, Anna (7003968616); Missikoff, Michele (6701311652)	1999	15
785	SISYPHUS: The implementation of a chunk-based storage manager for OLAP data cubes	Karayannidis, Nikos (6507229969); Sellis, Timos (7004880755)	2003	15
786	On querying simple conceptual graphs with negation	Mugnier, Marie-Laure (6602687467); Leclère, Michel (6602743369)	2007	15
787	New research directions for data and knowledge engineering: A philosophy of language approach	Basden, Andrew (7003982613); Klein, Heinz K. (7403472173)	2008	15
788	Events as atomic contracts for component integration	Snoeck, Monique (55968864600); Lemahieu, Wilfried (56195858100); Goethals, Frank (6602762014); Dedene, Guido (6603898706); Vandenbulcke, Jacques (56574038500)	2004	15
789	Towards object-oriented conceptual modeling	Sernadas, Cristina (6603952566); Fiadeiro, José (55167795900)	1991	15
790	A case study of automatic authoring: From a textbook to a hyper-textbook	Crestani, Fabio (56244484700); Melucci, Massimo (57192406172)	1998	15
791	Probabilistic Voronoi diagrams for probabilistic moving nearest neighbor queries	Ali, Mohammed Eunus (57204152461); Tanin, Egemen (8518349200); Zhang, Rui (54947068500); Kotagiri, Ramamohanarao (56891817800)	2012	15
792	Generic framework for the modeling of contexts and its applications	Motschnig-Pitrik, Renate (6602136958)	2000	15
793	Reducing the gap between experts' knowledge and data: The TOM4D methodology	Pomponio, Laura (36810365500); Le Goc, Marc (6602723000)	2014	15
794	Generate pairwise constraints from unlabeled data for semi-supervised clustering	Masud, Md Abdul (56976084900); Huang, Joshua Zhexue (57204250315); Zhong, Ming (25960236300); Fu, Xianghua (9238038200)	2019	15

795	On the explanatory power of Boolean decision trees	Audemard, Gilles (23392216500); Bellart, Steve (57223803923); Bounia, Louenas (57223822636); Koriche, Frédéric (6602634765); Lagniez, Jean-Marie (35748976300); Marquis, Pierre (7102604156)	2022	15
796	Applying the CRISP-DM data mining process in the financial services industry: Elicitation of adaptation requirements	Plotnikova, Veronika (57202506638); Dumas, Marlon (7201354798); Milani, Fredrik P. (55320178900)	2022	15
797	Blockchain based Securing Medical Records in Big Data Analytics	Marichamy, V. Santhana (57216409845); Natarajan, V. (14523372100)	2023	15
798	Knowledge engineering for enterprise integration, interoperability and networking: Theory and applications	Panetto, Hervé (6508186303); Whitman, Lawrence (57205008935)	2016	14
799	A new dynamic access control scheme based on subject-object list	Hwang, Min-Shiang (7203023445); Yang, Wei-Pang (7407760652)	1994	14
800	NL structures and conceptual modelling: Grammalizing for KISS	Hoppenbrouwers, J. (6603425292); Van Der Vos, B. (6507476334); Hoppenbrouwers, S. (8960260000)	1997	14
801	Introductory paper: Reflections on Conceptual Modelling	Juristo, Natalia (6701344777); Moreno, Ana M. (36441555800)	2000	14
802	ATOLL - A framework for the automatic induction of ontology lexica	Walter, Sebastian (55452669100); Unger, Christina (42862497400); Cimiano, Philipp (15838793700)	2014	14
803	Using information extraction and natural language generation to answer e-mail	Kosseim, Leila (23089125200); Beauregard, Stéphane (57219270707); Lapalme, Guy (7004107245)	2001	14
804	Symbolic abstraction and deadlock-freeness verification of inter-enterprise processes	Klai, Kais (23397235900); Tata, Samir (14833670500); Desel, Jörg (6603700835)	2011	14
805	Wikimantic: Toward effective disambiguation and expansion of queries	Boston, Christopher (55316849500); Fang, Hui (55316817500); Carberry, Sandra (7004588341); Wu, Hao (56151594900); Liu, Xitong (54581104000)	2014	14
806	Improved suffix blocking for record linkage and entity resolution	Allam, Amin (55311760200); Skiadopoulos, Spiros (6701454305); Kalnis, Panos (6603477534)	2018	14
807	Evolution of entity-relationship modelling	Patig, Susanne (6506707107)	2006	14
808	Conceptual equivalence for contrast mining in classification learning	Yang, Ying (55719957300); Wu, Xindong (55533800700); Zhu, Xingquan (8393069200)	2008	14
809	Formal anonymity models for efficient privacy-preserving joins	Kantarcioglu, Murat (23135116900); Inan, Ali (56940342400); Jiang, Wei (55928915800); Malin, Bradley (6602093073)	2009	14
810	A novel methodology for retrieving infographics utilizing structure and message content	Li, Zhuo (55838378000); Carberry, Sandra (7004588341); Fang, Hui (55316817500); McCoy, Kathleen F. (55408819600); Peterson, Kelly (56241402000); Stagitis, Matthew (55838135800)	2015	14
811	Tuning integrated dissemination-based information systems	Cai, Jun (55722455200); Tan, Kian-Lee (7403999714)	1999	14
812	Simplifying syntactic and semantic parsing of NL-based queries in advanced application domains	Kapetanios, E. (6603546263); Baer, D. (7103236439); Groenewoud, P. (8531330700)	2005	14
813	Improving business process intelligence by observing object state transitions	Herzberg, Nico (55570576600); Meyer, Andreas (57190370734); Weske, Mathias (23394109900)	2015	14
814	Formal justification in object-oriented modelling: a linguistic approach	Capuchino, A. Moreno (6506545262); Juristo, N. (6701344777); Van De Riet, R.P. (70043354500)	2000	14
815	Verification and validation of Bayesian knowledge-bases	Santos Jr., Eugene (23980706000)	2001	14
816	Direction relations and two-dimensional range queries: Optimisation techniques	Theodoridis, Yannis (56363711300); Papadias, Dimitris (7005757795);	1998	14

		Stefanakis, Emmanuel (6603110301); Sellis, Timos (7004880755)		
817	XML queries and algebra in the Enosys integration platform	Papakonstantinou, Yannis (6603786367); Borkar, Vinayak (12800602900); Orgiyan, Maxim (6504100741); Stathatos, Kostas (6506426080); Suta, Lucian (6504229963); Vassalos, Vasilis (6602976015); Velikhov, Pavel (6507482374)	2003	14
818	PISA: A framework for multiagent classification using argumentation	Wardeh, Maya (57195445407); Coenen, Frans (7004902559); Capon, Trevor Bench (7004514001)	2012	14
819	Identifying streaming frequent items in ad hoc time windows	Dallachiesa, Michele (54580666200); Palpanas, Themis (55888054500)	2013	14
820	Towards the building of a dense-region-based OLAP system	Cheung, David W. (34567902600); Zhou, Bo (56663523300); Kao, Ben (35221592600); Kan, Hu (7203085144); Lee, Sau Dan (59055986300)	2001	14
821	Linear correlation discovery in databases: A data mining approach	Chiang, Roger H.L. (56254265700); Huang Cecil, Chua Eng (7103191337); Lim, Ee-Peng (7201710034)	2005	14
822	Automaton meets algebra: A hybrid paradigm for XML stream processing	Su, Hong (55209482000); Rundensteiner, Elke A. (7005195084); Mani, Murali (14028654300)	2006	14
823	Deciding XPath containment with MSO	Genevès, Pierre (8451752000); Layaida, Nabil (6507942681)	2007	14
824	Efficient processing of all-k-nearest-neighbor queries in the MapReduce programming framework	Moutafis, Panagiotis (55926283100); Mavrommatis, George (57212140345); Vassilakopoulos, Michael (6601985337); Sioutas, Spyros (16550651500)	2019	14
825	CONTEXT: A CONstrainT EXplanation Tool	Urban, Susan D. (7102111017); Desiderio, Mario (7003881985)	1992	14
826	Semantic similarity relations and computation in schema integration	Song, William Wei (23393647700); Johannesson, Paul (7003418047); Bubenko Jr., Janis A. (55836044900)	1996	14
827	Indexing for progressive skyline computation	Eng, Pin-Kwang (7005829582); Ooi, Beng Chin (55665418900); Tan, Kian-Lee (7403999714)	2003	14
828	Logical fusion rules for merging structured news reports	Hunter, Anthony (7402779550)	2002	14
829	Dependency preserving refinements and the fundamental problem of database design	Makowsky, J.A. (35576487100); Ravve, Elena V. (6506295318)	1998	14
830	Processing production rules in DEVICE, an active knowledge base system	Bassiliades, N. (6603620714); Vlahavas, I. (57191439209)	1997	14
831	A component-based Petri net model for specifying and validating cooperative information systems	Aoumeur, Nasreddine (6507778875); Saake, Gunter (7004621677)	2002	14
832	EVORM: A conceptual modelling technique for evolving application domains	Proper, H.A (6701750449); van der Weide, Th.P (6701347928)	1994	14
833	PRESISTANT: Learning based assistant for data pre-processing	Bilalli, Besim (57190372619); Abelló, Alberto (15073664800); Aluja-Banet, Tomàs (6506508392); Wrembel, Robert (6508033071)	2019	14
834	Knowledge extraction using semantic similarity of concepts from Web of Things knowledge bases	Muppavarapu, Vamsee (57249856400); Ramesh, Gowtham (57216412522); Gyrard, Amelie (54393153700); Noura, Mahda (55933007100)	2021	14
835	Explicit and implicit oriented Aspect-Based Sentiment Analysis with optimal feature selection and deep learning for demonetization in India	Ananthajothi, K. (57201257630); Karthikayani, K. (57188585830); Prabha, R. (57218798106)	2022	14
836	Tests and variables selection on regression analysis for massive datasets	Fan, Tsai-Hung (7202528821); Cheng, Kuang-Fu (7402998351)	2007	13
837	Exploiting syntactic analysis of queries for information retrieval	Mittendorf, Markus (15826864500); Winiwarter, Werner (57224438042)	2002	13

838	Using error-correcting dependencies for collaborative filtering	Bogdanova, Galina (6603789174); Georgieva, Tsvetanka (57422875200)	2008	13
839	Ranking bias in deep web size estimation using capture recapture method	Lu, Jianguo (55701369600)	2010	13
840	Improving the efficiency of NSGA-II based ontology aligning technology	Xue, Xingsi (55585288300); Wang, Yuping (55954650200)	2017	13
841	Expert recommendation for trouble ticket routing	Xu, Jian (57196732776); He, Rouying (57195420526)	2018	13
842	An integer programming approach for the view and index selection problem	Asgharzadeh Talebi, Zohreh (57219767815); Chirkova, Rada (6602403751); Fathi, Yahya (7003528492)	2013	13
843	Ontology-based modeling and querying of trajectory data	Manaa, Marwa (56237832300); Akaichi, Jalel (55961061400)	2017	13
844	Producing relevant interests from social networks by mining users' tagging behaviour: A first step towards adapting social information	Mezghani, Manel (55218498500); Péninou, André (8257290000); Zayani, Corinne Amel (27268101900); Amous, Ikram (8397300300); Sèdes, Florence (6506199391)	2017	13
845	Clustering e-commerce search engines based on their search interface pages using WISE-Cluster	Lu, Yiyao (13906869500); He, Hai (35181262800); Peng, Qian (55118130200); Meng, Weiyi (7103208074); Yu, Clement (7404978288)	2006	13
846	Skyline queries with constraints: Integrating skyline and traditional query operators	Zhang, Ming (56857681400); Alhadj, Reda (7004187647)	2010	13
847	Updating intensional predicates in Datalog	Atzeni, Paolo (7004011825); Torlone, Riccardo (57203667445)	1992	13
848	An instance selection method for large datasets based on Markov Geometric Diffusion	Silva, Duílio A.N.S. (57002282700); Souza, Leandro C. (59157975200); Motta, Gustavo H.M.B. (7102308601)	2016	13
849	Extracting hot spots of topics from time-stamped documents	Chen, Wei (56092871100); Chundi, Parvathi (6507748851)	2011	13
850	A regression-based approach for mining user movement patterns from random sample data	Hung, Chih-Chieh (57222558314); Peng, Wen-Chih (8358716100)	2011	13
851	Identification of collective viewpoints on microblogs	Zhao, Bin (55357025100); Zhang, Zhao (56017766800); Qian, Weining (7201831316); Zhou, Aoying (55183487900)	2013	13
852	A hierarchical semantic-based distance for nominal histogram comparison	Kurtz, Camille (57220359943); Gançarski, Pierre (8557869900); Passat, Nicolas (57207528590); Puissant, Anne (7102002323)	2013	13
853	Automated discovery of multi-faceted ontologies for accurate query answering and future semantic reasoning	Gollapalli, Mohammed (54791078400); Li, Xue (35183610900); Wood, Ian (15057325200)	2013	13
854	MOSAIC: A fast multi-feature image retrieval system	Goh, Shen-Tat (7202784391); Tan, Kian-Lee (7403999714)	2000	13
855	Querying through a user interface	Terwilliger, James F. (15123311600); Delcambre, Lois M.L. (7003791292); Logan, Judith (7202175271)	2007	13
856	Using grouping variables to express complex decision support queries	Chatziantoniou, Damianos (6602566647)	2007	13
857	Repairing inconsistent dimensions in data warehouses	Caniupán, Mónica (16041564300); Bravo, Loreto (8392203200); Hurtado, Carlos A. (7005470424)	2012	13
858	Conceptual design of object-oriented database schemas using the binary-relationship model	Kornatzky, Yoram (6507237459); Shoval, Peretz (7003776458)	1995	13
859	General treatment of dynamic integrity constraints	De Brock, E.O. (6505979277)	2000	13
860	On automatic knowledge validation for Bayesian knowledge bases	Santos Jr., Eugene (23980706000); Dinh, Hang T. (23008405900)	2008	13
861	Object-oriented database schema analysis and inheritance processing: A graph-theoretic approach	Formica, Anna (7003968616); Groger, H. Dietmar (7005552325); Missikoff, Michele (6701311652)	1997	13

862	A framework for programming multiversion databases	Gançarski, Stéphane (6602441144); Jomier, Geneviève (6602322466)	2001	13
863	Binary-relationship integration methodology	Shoval, Peretz (7003776458); Zohn, Sara (6504288364)	1991	13
864	Xandy: A scalable change detection technique for ordered XML documents using relational databases	Leonardi, Erwin (8833957000); Bhowmick, Sourav S. (7006796096)	2006	13
865	Towards concept-oriented databases	Dubitzky, Werner (6603902423); Büchner, Alex G. (7102415300); Hughes, John G. (7404720165); Bell, David A. (7403647662)	1999	13
866	Knowledge base modelling based on linguistics and founded in logic	Dignum, F. (7003423512); vab de Riet, R.P. (24756943500)	1991	13
867	Efficient recursive XML query processing using relational database systems	Prakash, Sandeep (14029140700); Bhowmick, Sourav S. (7006796096); Madria, Sanjay (55665770900)	2006	13
868	Filtering unsatisfiable XPath queries	Groppe, Jinghua (22979685000); Groppe, Sven (22234205300)	2008	13
869	Element matching across data-oriented XML sources using a multi-strategy clustering model	Pluempitiwiriyaew, Charnyote (55404077600); Hammer, Joachim (7201624088)	2004	13
870	Hierarchical image modeling for object-based media retrieval	Li, Wen-Syan (36064148600); Selçuk Candan, K. (7003683729); Hirata, Kyoji (7402255964); Hara, Yoshinori (7401853740)	1998	13
871	Concept and prototype of a collaborative business process environment for document processing	Hodel-Widmer, Thomas B. (55236671200); Dittrich, Klaus R. (7006186685)	2005	13
872	Design and implementation of ETL processes using BPMN and relational algebra	Awiti, Judith (57211209263); Vaisman, Alejandro A. (7006229550); Zimányi, Esteban (6603324026)	2020	13
873	Incremental clustering techniques for multi-party Privacy-Preserving Record Linkage	Vatsalan, Dinusha (36024754600); Christen, Peter (7101797961); Rahm, Erhard (6603724515)	2020	13
874	Transfer learning and sentiment analysis of Bahraini dialects sequential text data using multilingual deep learning approach	Omran, Thuraya M. (57222241735); Sharef, Baraa T. (55387418700); Grosan, Crina (8906509200); Li, Yongmin (56717319800)	2023	13
875	An overlapping community detection algorithm in complex networks based on information theory	Zhou, HongFang (23478967700); Zhang, Yao (57203194024); Li, Jin (57192179451)	2018	12
876	Traceability between models and texts through terminology	Cerbah, Farid (23396275400); Euzenat, Jérôme (6602400029)	2001	12
877	Leveraging output term co-occurrence frequencies and latent associations in predicting medical subject headings	Kavuluru, Ramakanth (23467019200); Lu, Yuan (56402051100)	2014	12
878	Multilevel secure database encryption with subkeys	Hwang, Min-Shiang (7203023445); Yang, Wei-Pang (7407760652)	1997	12
879	Management of geometric knowledge in textbooks	Chen, Xiaoyu (35084929200); Wang, Dongming (55713397600)	2012	12
880	Sampling strategies for extracting information from large data sets	Boicea, Alexandru (25929004100); Truică, Ciprian-Octavian (56331462000); Rădulescu, Florin (35273255300); Buşe, Elena-Cristina (57201374538)	2018	12
881	A survey of the universal relation model	Leymann, Frank (6603379902)	1989	12
882	Efficient indexing of high-dimensional data through dimensionality reduction	Goh, Cheng Hian (7202892343); Lim, Agnes (56003093300); Ooi, Beng Chin (55665418900); Tan, Kian-Lee (7403999714)	2000	12
883	In situ migration of handcrafted ontologies to reason-able forms	Egaña Aranguren, Mikel (16038705500); Wroe, Chris (57223396109); Goble, Carole (7004072716); Stevens, Robert (7403201511)	2008	12

884	Revisiting distance-based record linkage for privacy-preserving release of statistical datasets	Herranz, Javier (22979587000); Nin, Jordi (13610752300); Rodríguez, Pablo (7202921555); Tassa, Tamir (6603376295)	2015	12
885	Verification of conceptual models based on linguistic knowledge	Van Der Vos, Bram (6507476334); Gulla, Jon Atle (6603727055); Van De Riet, Reind (7004354500); Van Der Vos, Abraham Johannes (6505489034); Van De Riet, Reinder Pieter (59019194400)	1997	12
886	A process-based methodology for designing event-based mobile composite applications	Fjellheim, Tore (8843987200); Milliner, Stephen (8843987300); Dumas, Marlon (7201354798); Vayssière, Julien (15924331100)	2007	12
887	A concurrent rule scheduling algorithm for active rules	Jin, Ying (36559519700); Urban, Susan D. (7102111017); Dietrich, Suzanne W. (7102432365)	2007	12
888	Semantically driven snippet selection for supporting focused web searches	Varlamis, Iraklis (6603228762); Stamou, Sofia (56251689700)	2009	12
889	Refining imprecise data by integrity constraints	Tseng, Frank S.C. (7005751142); Chen, Arbee L.P. (55946026800); Yang, Wei-Pang (7407760652)	1993	12
890	Integration of relations with conflicting schema structures in heterogeneous database systems	Tseng, Frank S. C. (7005751142); Chiang, Jeng-Jye (7201425284); Yang, Wei-Pang (7407760652)	1998	12
891	Discovering frequent itemsets by support approximation and itemset clustering	Jea, Kuen-Fang (6507797696); Chang, Ming-Yuan (7404503378)	2008	12
892	The optimal feasible knowledge transfer path in a knowledge creation driven team	Wang, Xiangyu (56976465300); Wang, Jun (55937751100); Zhang, Ruilin (57205348686)	2019	12
893	An analysis of multivalued and join dependencies based on the entity-relationship approach	Ling, Tok-Wang (7102284162)	1985	12
894	Combining knowledge with many-valued logics	Messing, Barbara (7006582974)	1997	12
895	Deontic pattern - a framework for domain analysis in information systems design	Johannesson, Paul (7003418047); Wohed, Petia (6507266964)	1999	12
896	Compact access control labeling for efficient secure XML query evaluation	Zhang, Huaxin (55796530400); Zhang, Ning (57198822514); Salem, Kenneth (7003632842); Zhuo, Donghui (15766525500)	2007	12
897	COWES: Web user clustering based on evolutionary web sessions	Chen, Ling (55739165000); Bhowmick, Sourav S. (7006796096); Nejd, Wolfgang (57204338128)	2009	12
898	Hierarchical partitioning of the output space in multi-label data	Papanikolaou, Yannis (57190407786); Tsoumakas, Grigorios (8088070600); Katakis, Ioannis (56527461200)	2018	12
899	Knowledge-rich image gist understanding beyond literal meaning	Weiland, Lydia (56027176200); Hulpuş, Ioana (36188149800); Ponzetto, Simone Paolo (15056538200); Effelsberg, Wolfgang (7004873520); Dietz, Laura (57223416572)	2018	12
900	Restructuring decision tables for elucidation of knowledge	Hewett, Rattikorn (7004501991); Leuchner, John (6508315182)	2003	12
901	Formalization and reasoning about spatial semantic integrity constraints	Bravo, Loreto (8392203200); Rodriguez, M. Andrea (12759587200)	2012	12
902	Bulk insertion for R-trees by seeded clustering	Lee, Taewon (56122223000); Moon, Bongki (57203052982); Lee, Sukho (56967677500)	2006	12
903	TOD: Temporal outlier detection by using quasi-functional temporal dependencies	Bruno, Giulia (22033901600); Garza, Paolo (36909944300)	2010	12
904	CLIPS-OWL: A framework for providing object-oriented extensional ontology queries in a production rule engine	Meditskos, G. (14035720700); Bassiliades, N. (6603620714)	2011	12
905	Modeling spatio-temporal constraints for multimedia objects	Kwon, Yong-Moo (7403459357); Ferrari, Elena (7202281602); Bertino, Elisa (7102307605)	1999	12

906	Minimally-supervised learning of domain-specific causal relations using an open-domain corpus as knowledge base	Ittoo, Ashwin (16401950800); Bouma, Gosse (56234075600)	2013	12
907	On selective tuning in unreliable wireless channels	Tan, Kian-Lee (7403999714); Ooi, Beng Chin (55665418900)	1998	12
908	Computing appropriate representations for multidimensional data	Choong, Yeow Wei (8044155400); Laurent, Dominique (57200748710); Marcel, Patrick (55925957700)	2003	12
909	Loose coupling of KAUS with existing RDBMSs	Yamauchi, Hiroyuki (7402587544); Ohsuga, Setsuo (55679296500)	1990	12
910	Decomposing relationship types by pivoting and schema equivalence	Hartmann, Sven (57203030657)	2001	12
911	Developing a labelled object-relational constraint database architecture for the projection operator	Gómez-López, María Teresa (8889556800); Ceballos, Rafael (12345229500); Gasca, Rafael M. (8889556900); Del Valle, Carmelo (8928660500)	2009	12
912	Data schema design as a schema evolution process	Proper, H.A. (6701750449)	1997	12
913	Conceptual framework for document semantic modelling: An application to document and knowledge management in the legal domain	Jouve, David (6602927138); Amghar, Youssef (6506480316); Chabbat, Bertrand (6504793120); Pinon, Jean-Marie (7005649036)	2003	12
914	Grand tour of concepts for object-orientation from a database point of view	Mattos, Nelson M. (6602819624); Meyer-Wegener, Klaus (56313870200); Mitschang, Bernhard (6603701448)	1993	12
915	Semi-automatic techniques for deriving interscheme properties from database schemes	Palopoli, Luigi (7004141918); Saccà, Domenico (7003509146); Ursino, Domenico (7004353802)	1999	12
916	Requester-centered composition of business processes from internal and external services	Preuner, Günter (22433728900); Schrefl, Michael (6603818133)	2005	12
917	Twenty-five years of Mokum: For 25 years of data and knowledge engineering: Correctness by design in relation to MDE! The acronym MDA is a trademark of the OMG; MDE is the alternative.1 and correct protocols in cyberspace	van de Riet, Reind P. (7004354500)	2008	12
918	QAL: A query algebra of complex objects	Savnik, Iztok (6603388840); Tari, Zahir (7003792859); Mohorič, Tomaž (57225266961)	1999	12
919	An algebra for specifying valid compound terms in faceted taxonomies	Tzitzikas, Yannis (14036522700); Analyti, Anastasia (6602300020); Spyrtatos, Nicolas (7004395771); Constantopoulos, Panos (55547861900)	2007	12
920	A generic model for 3-dimensional conceptual modelling	Creasy, P.N. (6603491730); Proper, H.A. (6701750449)	1996	12
921	Consistency preserving updates in deductive databases	Mayol, Enric (14028791000); Teniente, Ernest (6602571361)	2003	12
922	Mining arguments in scientific abstracts with discourse-level embeddings	Accuosto, Pablo (6504058849); Saggion, Horacio (6602505471)	2020	12
923	An approach to detect backbones of information diffusers among different communities of a social platform	Bonifazi, Gianluca (57219209867); Cauteruccio, Francesco (55866619400); Corradini, Enrico (57215600247); Marchetti, Michele (57761373300); Pierini, Alberto (57812823300); Terracina, Giorgio (7003682146); Ursino, Domenico (7004353802); Virgili, Luca (57207455746)	2022	12
924	ERP failure: A systematic mapping of the literature	Coşkun, Evren (57212144616); Gezici, Bahar (57192068033); Aydos, Murat (56928400400); Tarhan, Ayça Kolukısa (55949314000); Garousi, Vahid (13408954200)	2022	12

925	Hybrid methodology for analysis of structured and unstructured data to support decision-making in public security	Turet, Jean Gomes (57202359731); Costa, Ana Paula Cabral Seixas (7401876739)	2022	12
926	The language/action perspective	Weigand, H. (7005150134)	2003	11
927	Recent progress in database privacy	Domingo-Ferrer, Josep (7004014928); Saygin, Yücel (6603336081)	2009	11
928	Causality, time, and deadlines	Durchholz, Reiner (6603324830)	1991	11
929	Formal properties of net-based knowledge representation schemes	Atzeni, P. (7004011825); Parker Jr., D.S. (57203492402)	1988	11
930	Experimental identification of hard data sets for classification and feature selection methods with insights on method selection	Luan, Cuiju (7003500538); Dong, Guozhu (7201472423)	2018	11
931	Guideline based evaluation and verbalization of OWL class and property labels	Fliedl, Günther (56030984600); Kop, Christian (22333883400); Vöhringer, Jürgen (23398845100)	2010	11
932	Trust-based specification of sociotechnical systems	Paja, Elda (42962155800); Chopra, Amit K. (57001224000); Giorgini, Paolo (6603873210)	2013	11
933	An unsupervised blocking technique for more efficient record linkage	O'Hare, K. (57202777973); Jurek-Loughrey, Anna (57205211893); de Campos, Cassio (15074120700)	2019	11
934	Efficient and compact indexing structure for processing of spatial queries in line-based databases	Lin, Hung-Yi (55738522400)	2008	11
935	Dynamic hierarchical control for distributed problem solving	Findler, Nicholas V. (7006454429); Gao, Ji (55702595200)	1987	11
936	On the consistency of XML DTDs	Lu, Shiyong (7404228150); Sun, Yezhou (56174862600); Atay, Mustafa (6603357309); Fotouhi, Farshad (7004286308)	2005	11
937	An adaptive hashing technique for indexing moving objects	Kwon, Dongseop (10143029100); Lee, Sangjun (56988352900); Choi, Wonik (10142104200); Lee, Sukho (56967677500)	2006	11
938	Extending ER models to capture database transformations to build data sets for data mining	Ordóñez, Carlos (57203051107); Maabout, Sofian (23397573900); Matusевич, David Sergio (55954078900); Cabrera, Wellington (55800378600)	2014	11
939	Reliability analysis of psoriasis decision support system in principal component analysis framework	Shrivastava, Vimal K. (56592170100); Londhe, Narendra D. (49361709100); Sonawane, Rajendra S. (56649213900); Suri, Jasjit S. (7005613223)	2016	11
940	Supporting schema integration by linguistic instruments	Johannesson, Paul (7003418047)	1997	11
941	An integrated, dual learner for grammars and ontologies	Hahn, Udo (57205400732); Markó, Kornél G. (6701790915)	2002	11
942	Approximating sliding windows by cyclic tree-like histograms for efficient range queries	Buccafurri, Francesco (6701671870); Lax, Gianluca (6505918243)	2010	11
943	Converting unstructured into semi-structured process models	Eshuis, Rik (6603379874); Kumar, Akhil (56169882200)	2016	11
944	Consistency enforcement in Entity-Relationship and object-oriented models	Schewe, Klaus-Dieter (7004152293)	1998	11
945	Query by image and video content: A colored-based stochastic model approach	Al-Omari, Faruq A. (6505926631); Al-Jarrah, Mohammad A. (7003396200)	2005	11
946	Minimize presentation lag by sequencing media objects for auto-assembled presentations from digital libraries	Lin, Feng-Cheng (23397448400); Lai, Chien-Yin (23397450500); Hong, Jen-Shin (7404118744)	2008	11
947	A unique property of single-link distance and its application in data clustering	Song, Yuqing (57212363119); Jin, Shuyuan (9736577500); Shen, Jie (55488323500)	2011	11
948	Detecting summarizability in OLAP	Niemi, Tapio (57215042589); Niinimäki, M. (6602319318); Thanisch, Peter (6602543167); Nummenmaa, Jyrki (6507393852)	2014	11

949	Computing repairs for constraint violations in UML/OCL conceptual schemas	Oriol, Xavier (53870731700); Teniente, Ernest (6602571361); Tort, Albert (35724404600)	2015	11
950	Towards a semantic image database system	Yang, Li (7409587967); Wu, Jiankang (7409253494)	1997	11
951	Web data retrieval and extraction	Lacroix, Zoé (6701323255)	2003	11
952	Efficient index and data allocation for wireless broadcast services	Lo, Shou-Chih (7401542285); Chen, Arbee L.P. (55946026800)	2007	11
953	An architecture for component-based design of representative-based clustering algorithms	Delibašić, Boris (35093920500); Vukićević, Milan (35726158400); Jovanović, Miloš (55319816000); Kirchner, Kathrin (35307613600); Ruhland, Johannes (24921713300); Suknović, Milija (35071904400)	2012	11
954	The Psychic-Skeptic Prediction framework for effective monitoring of DBMS workloads	Elnaffar, Said (8723952700); Martin, Patrick (56653858600)	2009	11
955	Strategy planner: Graphical definition of soccer set-plays	Cravo, João (57191598746); Almeida, Fernando (57208295279); Abreu, Pedro Henriques (56624062700); Reis, Luís Paulo (13907511600); Lau, Nuno (13907323500); Mota, Luís (36642144800)	2014	11
956	Dependable reactive event-oriented planning	Dorn, Jürgen (23569452500)	1995	11
957	Geometric query types for data retrieval in relational databases	Sourina, Olga (7801581648); Boey, Seng H. (26530825100)	1998	11
958	Biological workflow with BlastQuest	Farmerie, William G. (57189087716); Hammer, Joachim (7201624088); Liu, Li (57120235700); Sahni, Anuj (7006136377); Schneider, Markus (35176572700)	2005	11
959	Parameterized pattern queries	du Mouza, Cédric (6506388480); Rigaux, Philippe (57204372163); Scholl, Michel (14034703900)	2007	11
960	Knowledge hiding from tree and graph databases	Abul, Osman (6602597612); Gökçe, Harun (25654918400)	2012	11
961	A pipelined strategy for processing recursive queries in parallel	Bell, D.A. (57201680930); Shao, J. (7201362052); Hull, M.E.C. (7201759172)	1991	11
962	Optimizing in-network aggregate queries in wireless sensor networks for energy saving	Hung, Chih-Chieh (57222558314); Peng, Wen-Chih (8358716100)	2011	11
963	View-based model-driven architecture for enhancing maintainability of data access services	Mayr, Christine (26023487000); Zdun, Uwe (55908948800); Dustdar, Schahram (6701473617)	2011	11
964	EParticipative Process Learning - Process-oriented experience management and conflict solving	Decker, Björn (56274875100); Rech, Jörg (56111586900); Althoff, Klaus-Dieter (57193557742); Klotz, Andreas (36921574200); Leopold, Edda (7003705490); Voss, Angie (57211614584)	2005	11
965	Three architectures for trusted data dissemination in edge computing	Goh, Shen-Tat (7202784391); Pang, HweeHwa (7102237502); Deng, Robert H. (57203710994); Bao, Feng (56912926500)	2006	11
966	Accelerating queries by pruning XML documents	Bressan, Stéphane (6701908788); Catania, Barbara (7003771427); Lacroix, Zoé (6701323255); Li, Ying Guang (16069267000); Maddalena, Anna (8897483800)	2005	11
967	Landscaping the information space of large multi-database networks	Papazoglou, Mike P. (7006568299); Proper, Henderik A. (6701750449); Yang, Jian (35304034500)	2001	11
968	Steps towards a method for the formal modeling of dynamic objects	Wieringa, Roel (55948067100)	1991	11

969	GRAQUILA: A graphical query language for entity-relationship or relational databases	Socket, Gary H. (6603412544); Burns, Luanne M. (7102030817); Malhotra, Ashok (7201832975); Whang, Kyu-Young (56259780900)	1993	11
970	A temporal approach to managing schema evolution in object database systems	Goralwalla, Iqbal A. (6603073686); Szafron, Duane (7003311854); Özsu, M. Tamer (57220402181); Peters, Randal J. (7401442513)	1998	11
971	DFL - A dialog based integration of concept and rule reasoners	Balaban, Mira (35298466500); Eyal, Adi (15746406700)	2001	11
972	Cost models for distance joins queries using R-trees	Corral, Antonio (7004661146); Manolopoulos, Yannis (54397260800); Theodoridis, Yannis (56363711300); Vassilakopoulos, Michael (6601985337)	2006	11
973	Formal basis for an abbreviated concept-based query language	Owei, Vesper (6602273837); Navathe, Shamkant (7004370449)	2001	11
974	A multi-view similarity measure framework for trouble ticket mining	Xu, Jian (57196732776); Mu, Jiapeng (57214936737); Chen, Gaorong (57214931475)	2020	11
975	A framework for multidimensional skyline queries over streaming data	Alami, Karim (57208642328); Maabout, Sofian (23397573900)	2020	11
976	An ontological analysis of software system anomalies and their associated risks	Duarte, Bruno Borlini (57190226757); de Almeida Falbo, Ricardo (57224468298); Guizzardi, Giancarlo (16028392500); Guizzardi, Renata (8544078300); Souza, Vítor E. Silva (25631554000)	2021	11
977	Sense, Transform & Send for the Internet of Things (STS4IoT): UML profile for data-centric IoT applications	Plazas, Julian Eduardo (57190188966); Bimonte, Sandro (15074087900); Schneider, Michel (57210550665); de Vault, Christophe (12752657500); Battistoni, Pietro (57210842442); Sebillio, Monica (8393057100); Corrales, Juan Carlos (15135119500)	2022	11
978	Hepatitis C virus data analysis and prediction using machine learning	Yağanoğlu, Mete (57195543724)	2022	11
979	A parameter-free KNN for rating prediction	Fopa, Medjeu (57954328600); Gueye, Modou (35793646400); Ndiaye, Samba (6701604512); Naacke, Hubert (6603489895)	2022	11
980	Trustworthy journalism through AI	Opdahl, Andreas L. (6701447208); Tessem, Bjørnar (6602433720); Dang-Nguyen, Duc-Tien (54792686300); Motta, Enrico (7006092143); Setty, Vinay (55163655300); Throndsen, Eivind (58250298300); Tverberg, Are (58250067700); Trattner, Christoph (36190219700)	2023	11
981	Conceptual models for coordinating the design of user work with the design of information systems	Butler, Keith A. (7202675442); Bahrami, Ali (7003277387); Esposito, Chris (55584791299); Hebron, Ron (6506327723)	2000	10
982	On sampling regional data	Vassilakopoulos, Michael (6601985337); Manolopoulos, Yannis (54397260800)	1997	10
983	Fast updated frequent-itemset lattice for transaction deletion	Vo, Bay (35147075900); Le, Tuong (55513981400); Hong, Tzung-Pei (7202830492); Le, Bac (27267916200)	2015	10
984	NómosT: Building large models of law with a tool-supported process	Zeni, N. (22434005800); Seid, E.A. (59163578000); Engiel, P. (36809660500); Mylopoulos, J. (7005652259)	2018	10
985	Semantic integration of conceptual schemas	Mirbel, Isabelle (56114143600)	1997	10
986	Resilient data management for replicated mobile database systems	Byun, Siwoo (14064565500); Moon, Songchun (7401616515)	1999	10
987	A Language Modelling approach to linking criminal styles with offender characteristics	Bache, R. (23395783100); Crestani, F. (56244484700); Canter, D. (7005434572); Youngs, D. (23399025900)	2010	10

988	Research on case retrieval of Bayesian network under big data	Guo, Yuan (57204066818); Wu, K. (35328420500)	2018	10
989	Deterministic algorithms for sampling count data	Akcan, Hüseyin (15060111200); Astashyn, Alex (35739611900); Brönnimann, Hervé (6603783049)	2008	10
990	Noun retrieval effect on text summarization and delivery of personalized news articles to the user's desktop	Bouras, Christos (7102164662); Tsogkas, Vassilis (22986642900)	2010	10
991	Polynomial time queries over inconsistent databases with functional dependencies and foreign keys	Molinaro, Cristian (23397827500); Greco, Sergio (57202439567)	2010	10
992	Design and evaluation of a semantic enrichment process for bibliographic databases	Lacasta, Javier (6507695303); Nogueras-Iso, Javier (6602545787); Falquet, Gilles (14832763800); Teller, Jacques (56242316100); Zarazaga-Soria, F. Javier (6506921273)	2013	10
993	A user-centered approach for integrating social data into groups of interest	Vu, Xuan-Truong (55916462400); Abel, Marie-Hélène (23048659000); Morizet-Mahoudeaux, Pierre (55892962800)	2015	10
994	Precise serialization for optimistic concurrency control	Lee, Juhnyoung (22734683900)	1999	10
995	Parameterized subscriptions in publish/subscribe systems	Huang, Yongqiang (37862620800); Garcia-Molina, Hector (7005594983)	2007	10
996	ICGT: A novel incremental clustering approach based on GMM tree	Wan, Yuchai (46462249800); Liu, Xiabi (8377170000); Wu, Yi (56093304700); Guo, Lunhao (56415377900); Chen, Qiming (57204547825); Wang, Murong (57194022190)	2018	10
997	The Panda framework for comparing patterns	Bartolini, Ilaria (55917610100); Ciaccia, Paolo (7003910715); Ntoutsis, Irene (13408790100); Patella, Marco (6602266934); Theodoridis, Yannis (56363711300)	2009	10
998	Personalised novel and explainable matrix factorisation	Coba, Ludovik (57191506505); Symeonidis, Panagiotis (13006105800); Zanker, Markus (6602177071)	2019	10
999	Learning process modeling phases from modeling interactions and eye tracking data	Burattin, Andrea (38361002000); Kaiser, Michael (57194209340); Neurauder, Manuel (56943497300); Weber, Barbara (7401435414)	2019	10
1000	A state based energy optimization framework for dynamic virtual machine placement	Xiao, Zhijiao (14827442900); Ming, Zhong (25960236300)	2019	10
1001	Augmenting the power of LSI in text retrieval: Singular value rescaling	Yan, Hua (36984682900); Grosky, William I. (7004119740); Fotouhi, Farshad (7004286308)	2008	10
1002	Compliance checking of integrated business processes	Letia, Ioan Alfred (6602775290); Groza, Adrian (23389267600)	2013	10
1003	Automatically generating data linkages using class-based discriminative properties	Hu, Wei (57191221527); Yang, Rui (55267730900); Qu, Yuzhong (8400208900)	2014	10
1004	Automatic query reformulations for feature location in a model-based family of software products	Pérez, Francisca (36091753500); Font, Jaime (55924016200); Arcega, Lorena (55922754300); Cetina, Carlos (19933413800)	2018	10
1005	The linguistic level: Contribution for conceptual design, view integration, reuse and documentation	Ambrosio, Ana Paula (8281623400); Métais, Elisabeth (55871602600); Meunier, Jean-Noël (7202523412)	1997	10
1006	Efficient query execution on broadcasted index tree structures	Hambrusch, Susanne (7004357219); Liu, Chuan-Ming (8202608200); Aref, Walid G. (7004076858); Prabhakar, Sunil (7101672592)	2007	10
1007	A framework for ranking uncertain distributed database	Abdulazeem, Yousry M. (36959370100); Eldesouky, Ali I. (22333392300); Ali, Hesham A. (57226601698)	2014	10

1008	RELOOP, an algebra based query language for an object-oriented database system	Cluet, Sophie (6602172054); Delobel, Claude (6602301268); Lécluse, Christophe (6602233916); Richard, Philippe (7201985193)	1990	10
1009	The use of the typed lambda calculus for guiding naive users in the representation and acquisition of part-whole knowledge	Uschold, Mike (6602755750)	1996	10
1010	Implicit versus explicit characterization of complex entities and events	Pazzi, Luca (6507618680)	1999	10
1011	Maintaining consistency of vague databases using data dependencies	Lu, An (36239290400); Ng, Wilfred (7401613441)	2009	10
1012	Detecting avoidance behaviors between moving object trajectories	Lettich, Francesco (56131768500); Alvares, Luis Otavio (8840637900); Bogorny, Vania (18036660700); Orlando, Salvatore (35305588800); Raffaetà, Alessandra (6602367731); Silvestri, Claudio (24315127200)	2016	10
1013	Determining the best K for clustering transactional datasets: A coverage density-based approach	Yan, Hua (57195303760); Chen, Keke (8402675400); Liu, Ling (55628583368); Bae, Joonsoo (7201386942)	2009	10
1014	Acquiring knowledge from inconsistent data sources through weighting	Zhang, Shichao (56151244800); Chen, Qingfeng (14719030200); Yang, Qiang (57201354715)	2010	10
1015	MOKUM: An object-oriented active knowledge base system	van de Riet, R.P. (59019194400)	1989	10
1016	Hyper-semantic data modeling	Potter, W.D. (7102431615); Trueblood, R.P. (6603513870); Eastman, C.M. (7102374796)	1989	10
1017	Using the uni-level description (ULD) to support data-model interoperability	Bowers, Shawn (8902316500); Delcambre, Lois (7003791292)	2006	10
1018	An agent-based model for analyzing the impact of business interoperability on the performance of cooperative industrial networks	Cabral, Izunildo (57200401109); Grilo, Antonio (35793121600); Gonçalves-Coelho, António (57219834441); Mourão, António (8976696500)	2016	10
1019	Constructing target-aware results for keyword search on knowledge graphs	Shan, Yi (57020780100); Li, Mingda (57193674986); Chen, Yi (55115475000)	2017	10
1020	Reusing specifications through refinement levels	De Antonellis, V. (7003813671); Pernici, B. (7004638196)	1995	10
1021	Extending the conceptual graph approach for data conceptual modelling	Moulin, Bernard (7006850605); Creasy, Peter (6603491730)	1992	10
1022	Towards the automated verification of semi-structured documents	Weitl, Franz (14024970000); Jakšić, Mirjana (7006318698); Freitag, Burkhard (14024164000)	2009	10
1023	Multistrategy approach to classification learning in databases	Lee, Chang-Hwan (56100542000); Shin, Dong-Guk (7403352651)	1999	10
1024	Evaluations of architectural designs and implementation for database-driven web sites	Li, Wen-Syan (36064148600); Hsiung, Wang-Pin (6602318809); Po, Oliver (6507012658); Candan, K.Selçuk (7003683729); Agrawal, Divyakant (35561936700)	2002	10
1025	Process library	Yang, Guangxin (7405751942)	2004	10
1026	Transaction processing in a peer to peer database network	Masud, Mehedi (17338820600); Kiringa, Iluju (13604655300)	2011	10
1027	A change detection system for unordered XML data using a relational model	Sundaram, Sathya (57200535099); Madria, Sanjay K. (55665770900)	2012	10
1028	An epistemic framework for privacy protection in database linking	Wang, Da-Wei (24462862000); Liao, Churn-Jung (7005619520); Hsu, Tsan-sheng (7401791696)	2007	10
1029	Information disclosure in evolving information systems: taking a shot at a moving target	Proper, H.A. (6701750449); van der Weide, Th.P. (6701347928)	1995	10
1030	Distribution design for higher-order data models	Ma, Hui (55723485400); Schewe, Klaus-Dieter (7004152293); Wang, Qing (55698295100)	2007	10

1031	Formalization of the binary object-role model based on logic	De Troyer, Olga (6602314082)	1996	10
1032	The living in a lattice rule language	Heuer, Andreas (9533312500); Sander, Peter (57196771210)	1993	10
1033	Automated code generation of dynamic specializations: An approach based on design patterns and formal techniques	Pelechano, Vicente (6602440856); Pastor, Oscar (6701438651); Insfrán, Emilio (6506793505)	2002	10
1034	CloudDBGuard: A framework for encrypted data storage in NoSQL wide column stores	Wiese, Lena (8983772000); Waage, Tim (56607373700); Brenner, Michael (57201099628)	2020	10
1035	Using similarity measures in prediction of changes in financial market stream data—Experimental approach	Juszczuk, Przemysław (35302268300); Kozak, Jan (26536299000); Kania, Krzysztof (55350789600)	2020	10
1036	Ontology-driven evolution of software security	Peldszus, Sven (56218425500); Bürger, Jens (55910440600); Kehrler, Timo (25960845900); Jürjens, Jan (6602757070)	2021	10
1037	System: A core conceptual modeling construct for capturing complexity	Lukyanenko, Roman (37007689800); Storey, Veda C. (7003462863); Pastor, Oscar (6701438651)	2022	10
1038	Enhancing classification capacity of CNN models with deep feature selection and fusion: A case study on maize seed classification	Dönmez, Emrah (56779958100)	2022	10
1039	A new approach to COVID-19 data mining: A deep spatial–temporal prediction model based on tree structure for traffic revitalization index	Lv, Zhiqiang (57219119913); Wang, Xiaotong (58609740600); Cheng, Zesheng (57217049299); Li, Jianbo (56034151000); Li, Haoran (57225130062); Xu, Zhihao (57224214839)	2023	10
1040	Knowledge base refinement by backpropagation	Fu, LiMin (7401812711)	1991	9
1041	Visual query language CQL for transitive and relational computation	Järvelin, Kalervo (7003932928); Niemi, Timo (58407552100); Salminen, Airi (56133558500)	2000	9
1042	Quality of hierarchies in ontologies and folksonomies	Solskinnsbakk, Geir (24475835300); Gulla, Jon Atle (6603727055); Haderlein, Veronika (36458425300); Myrseth, Per (27568014100); Cerrato, Olga (27567530500)	2012	9
1043	Towards the design of a secure data/knowledge 11 base management system	Thuraisingham, M.B. (55840981000)	1990	9
1044	Predicting forensic admission among the mentally ill in a multinational setting: A Bayesian modelling approach	Soini, Erkki J.O. (36936831500); Rissanen, Tarja (57196871719); Tiitonen, Jari (7005691093); Hodgins, Sheilagh (57206133272); Eronen, Markku (7004926034); Ryyänen, Olli-Pekka (7004572682)	2009	9
1045	Automatically classifying source code using tree-based approaches	Phan, Anh Viet (57191071971); Chau, Phuong Ngoc (57195236834); Nguyen, Minh Le (55664630500); Bui, Lam Thu (8961832500)	2018	9
1046	Enhancing accuracy and expressive power of range query answers over incomplete spatial databases via a novel reasoning approach	Cuzzocrea, Alfredo (23388216900); Nucita, Andrea (8420118800)	2011	9
1047	A general framework for subjective information extraction from unstructured English text	Mangassarian, Hratch (20436184900); Artail, Hassan (6602943327)	2007	9
1048	Scheduling-free resource management	van Hee, Kees (13605962100); Serebrenik, Alexander (8987563200); Sidorova, Natalia (8987563300); Voorhoeve, Marc (6602474771); van der Wal, Jan (7005233462)	2007	9
1049	A natural language interface to a graph-based bibliographic information retrieval system	Zhu, Yongjun (56015852600); Yan, Erjia (24336721500); Song, Il-Yeol (57742309500)	2017	9

1050	Ensuring the canonicity of process models	Leopold, Henrik (36245147600); Pittke, Fabian (55574536200); Mendling, Jan (6503908779)	2017	9
1051	An approach for temporal analysis of email data based on segmentation	Chundi, Parvathi (6507748851); Subramaniam, Mahadevan (22434216700); Vasireddy, Dileep K. (33568379600)	2009	9
1052	Hiding multiple solutions in a hard 3-SAT formula	Liu, Ran (56902089900); Luo, Wenjian (7202199213); Yue, Lihua (7101974776)	2015	9
1053	Conditional deontic logic augmented with defeasible reasoning	Ryu, Young U. (7103411980)	1995	9
1054	A note on the axiomatics of theories in parthood	Pontow, Carsten (14048967400)	2004	9
1055	BioDB: An ontology-enhanced information system for heterogeneous biological information	Gupta, Amarnath (7410389431); Condit, Christopher (58450243700); Qian, Xufei (7402052489)	2010	9
1056	Subspace top-k query processing using the hybrid-layer index with a tight bound	Heo, Jun-Seok (35210362100); Cho, Junghoo (7403535638); Whang, Kyu-Young (56259780900)	2013	9
1057	XML subtree reconstruction from relational storage of XML documents	Chebotko, Artem (8589909400); Atay, Mustafa (6603357309); Lu, Shiyong (7404228150); Fotouhi, Farshad (7004286308)	2007	9
1058	A concurrency control scheme for mobile transactions in broadcast disk environments	Jung, Sungwon (55740728400); Choi, Keunha (59113211900)	2009	9
1059	Experiences with EDO: An evolutionary database optimizer	van Bommel, Patrick (8071997500)	1994	9
1060	Privately detecting bursts in streaming, distributed time series data	Singh, Lisa (36876038400); Sayal, Mehmet (7801555968)	2009	9
1061	A model driven approach for the development of metadata editors, applicability to the annotation of geographic information resources	Nogueras-Iso, Javier (6602545787); Latre, Miguel Ángel (23134926500); Béjar, Rubén (16634677000); Muro-Medrano, Pedro R. (6602250265); Zarazaga-Soria, F. Javier (6506921273)	2012	9
1062	Comparison of feature-based and image registration-based retrieval of image data using multidimensional data access methods	Arslan, Serdar (57767747500); Yazici, Adnan (7005892047); Saçan, Ahmet (16204075600); Toroslu, Ismail H. (6603451626); Acar, Esra (57197344375)	2013	9
1063	Domain content querying using ontology-based context-awareness in information systems	Maran, Vinícius (6505629860); Machado, Alencar (57196572786); Machado, Guilherme Medeiros (57220480392); Augustin, Iara (55378223100); de Oliveira, José Palazzo M. (15847751900)	2018	9
1064	Processing recursive XQuery over XML streams: The Raindrop approach	Wei, Mingzhu (36449656700); Rundensteiner, Elke A. (7005195084); Mani, Murali (14028654300); Li, Ming (56903272000)	2008	9
1065	Multi-objective optimization integration of query interfaces for the Deep Web based on attribute constraints	Li, Yanni (55349770000); Wang, Yuping (35204276100); Jiang, Peng (55579316300); Zhang, Zhensong (55580365800)	2013	9
1066	Smart card embedded information systems: A methodology for privacy oriented architectural design	Bolchini, C. (7003561698); Schreiber, F.A. (7102481680)	2002	9
1067	The NOBH-tree: Improving in-memory metric access methods by using metric hyperplanes with non-overlapping nodes	Pola, Ives Renê Venturini (15623875100); Traina, Caetano (6701924244); Traina, Agma Juci Machado (7003628271)	2014	9
1068	An improved methodology on information distillation by mining program source code	Kanellopoulos, Y. (24490978000); Makris, C. (7004435746); Tjortjis, C. (6505849477)	2007	9
1069	Rule-based update methods for a hybrid rule base	Prentzas, Jim (55993265400); Hatzilygeroudis, Ioannis (6603517779)	2005	9
1070	Ramification analysis using causal mapping	Hunter, Anthony (7402779550)	2000	9
1071	AutoWF - A secure Web workflow system using autonomous objects	Gudes, Ehud (7003552107); Tubman, Aharon (15827105300)	2002	9

1072	Freshness-driven adaptive caching for dynamic content Web sites	Li, Wen-Syan (36064148600); Po, Oliver (6507012658); Hsiung, Wang-Pin (6602318809); Selçuk Candan, K. (7003683729); Agrawal, Divyakant (35561936700)	2003	9
1073	Assessing data analysis performance in research contexts: An experiment on accuracy, efficiency, productivity and researchers' satisfaction	Martin-Rodilla, Patricia (55336284900); Panach, Jose Ignacio (15122711200); Gonzalez-Perez, Cesar (8415398500); Pastor, Oscar (6701438651)	2018	9
1074	Annotation paths for matching XML-Schemas	Köpke, Julius (25641428300)	2019	9
1075	Man bites dog: Looking for interesting inconsistencies in structured news reports	Byrne, Emma (56223447600); Hunter, Anthony (7402779550)	2004	9
1076	Utilization of execution histories in scheduling real-time database transactions	Dogdu, Erdogan (6603501593)	2006	9
1077	A semantical perspective on verification of knowledge	Leemans, Paul (15746553800); Treur, Jan (7006431708); Willems, Mark (7007150399)	2002	9
1078	A framework for abstracting data sources having heterogeneous representation formats	Rosaci, D. (6602171057); Terracina, G. (7003682146); Ursino, D. (7004353802)	2004	9
1079	A knowledge representation of the beginning of the innovation process: The Front End of Innovation Integrative Ontology (FEI2O)	Pereira, Ariane Rodrigues (57211946215); Ferreira, João José Pinto (7403252438); Lopes, Alexandra (55823928900)	2020	9
1080	Mining Closed High Utility Itemsets based on Propositional Satisfiability	Hidouri, Amel (57219160328); Jabbour, Said (23993706700); Raddaoui, Badran (36560087700); Ben Yaghlane, Boutheina (55666702300)	2021	9
1081	An ontology knowledge inspection methodology for quality assessment and continuous improvement	Roldán-Molina, Gabriela R. (57195331410); Ruano-Ordás, David (55214026800); Basto-Fernandes, Vitor (53363129900); Méndez, José R. (9243599300)	2021	9
1082	Extraction and analysis of text patterns from NSFW adult content in Reddit	Cauteruccio, Francesco (55866619400); Corradini, Enrico (57215600247); Terracina, Giorgio (7003682146); Ursino, Domenico (7004353802); Virgili, Luca (57207455746)	2022	9
1083	Chinese named-entity recognition via self-attention mechanism and position-aware influence propagation embedding	Zhang, Bo (57223840244); Liu, Kehao (57217078270); Wang, Haowen (57215896639); Li, Maozhen (7405263968); Pan, Jianguo (55459047600)	2022	9
1084	Entity alignment with adaptive margin learning knowledge graph embedding	Shen, Linshan (23393508300); He, Rongbo (57475226500); Huang, Shaobin (55759153400)	2022	9
1085	Watch out, pothole! featuring road damage detection in an end-to-end system for autonomous driving	Kortmann, Felix (57214363497); Fassmeyer, Pascal (57222720654); Funk, Burkhardt (7003481731); Drews, Paul (55703785100)	2022	9
1086	A framework for investigating the dynamics of user and community sentiments in a social platform	Bonifazi, Gianluca (57219209867); Cauteruccio, Francesco (55866619400); Corradini, Enrico (57215600247); Marchetti, Michele (57761373300); Terracina, Giorgio (7003682146); Ursino, Domenico (7004353802); Virgili, Luca (57207455746)	2023	9
1087	Survey of fake news detection using machine intelligence approach	Pal, Aishika (58001471000); Pranav (57907251700); Pradhan, Moumita (57007874500)	2023	9
1088	Recent advances in preserving privacy when mining data	Bonchi, Francesco (8409976700); Malin, Bradley (6602093073); Saygin, Yücel (6603336081)	2008	8
1089	Training set selection for monotonic ordinal classification	Cano, J.-R. (7201866071); García, S. (37103985200)	2017	8

1090	Modeling the evolution of associated data	Tang, Jie (26667745200); Zhang, Jing (57216205138)	2010	8
1091	An abductive, linguistic approach to model retrieval	Gulla, Jon Atle (6603727055); Van Der Vos, Bram (6507476334); Thiel, Ulrich (56248417400)	1997	8
1092	A complete set of guidelines for naming UML conceptual schema elements	Aguilera, David (56343097800); Gómez, Cristina (35233370700); Olivé, Antoni (7005738744)	2013	8
1093	A new approach for measuring rule set consistency	Huysmans, Johan (6603957582); Baesens, Bart (6601962197); Vanthienen, Jan (7003650333)	2007	8
1094	A branch and bound strategy for Fast Trajectory Similarity Measuring	Furtado, Andre Salvaro (55511289000); Pilla, Laercio Lima (24825451300); Bogorny, Vania (18036660700)	2018	8
1095	Interpreting semi-formal utterances in dialogs about mathematical proofs	Horacek, Helmut (7003908425); Wolska, Magdalena (55957298600)	2006	8
1096	WeR-trees	Bozanis, Panayiotis (6602302218); Foteinos, Panayiotis (56634316100)	2007	8
1097	System models for goal-driven self-management in autonomic databases	Holze, Marc (8963494800); Ritter, Norbert (7004204794)	2011	8
1098	CITOM: An incremental construction of multilingual topic maps	Ellouze, Nebrasse (24723993300); Lammari, Nadira (6506404788); Métais, Elisabeth (55871602600)	2012	8
1099	Specification of contractual obligations in formal business communication	Ryu, Young U. (7103411980)	1998	8
1100	Efficiently tracing clusters over high-dimensional on-line data streams	Lee, Jae Woo (57211505822); Park, Nam Hun (8243345400); Lee, Won Suk (56431466100)	2009	8
1101	Computing intensional answers to questions - An inductive logic programming approach	Cimiano, Philipp (15838793700); Rudolph, Sebastian (23009745000); Hartfiel, Helena (24474817500)	2010	8
1102	Extracting deltas from column oriented NoSQL databases for different incremental applications and diverse data targets	Hu, Yong (55772405200); Dessloch, Stefan (7801627054)	2014	8
1103	A language for simple interactive retrieval from a database system	Jones, Perry (55474806400); Shave, Michael (6602890656)	1987	8
1104	Schedule of join operations to reduce I/O cost in spatial database systems	Xiao, Jitian (7402564396); Zhang, Yanchun (16177024400); Jia, Xiaohua (7201933846); Zhou, Xiaofang (8837009900)	2000	8
1105	Network caching strategies for reservation-based multimedia services on high-speed networks	Veeravalli, Bharadwaj (35582689700); Min Yew, Eu (15825567000)	2002	8
1106	Fast range query estimation by N-level tree histograms	Buccafurri, Francesco (6701671870); Lax, Gianluca (6505918243)	2004	8
1107	User behavior modeling and content based speculative web page prefetching	Georgakis, A. (56989379500); Li, H. (56375326400)	2006	8
1108	Cooperative caching by clients constructing a peer-to-peer network for push-based broadcast	Hara, Takahiro (7404213547); Maeda, Kazuhiko (55248536100); Ishi, Yoshimasa (24528224800); Uchida, Wataru (56252956500); Nishio, Shojiro (7202166990)	2010	8
1109	Mechanisms to improve clustering uncertain data with UKmeans	Liu, Chuan-Ming (8202608200); Niu, Zhendong (23393033800); Liao, Kuan-Teng (57193629979)	2018	8
1110	On the design and maintenance of optimized relational representations of entity-relationship schemas	Casanova, Marco A. (7102125708); Tucherman, Luiz (6506686119); Laender, Alberto H.F. (6701595293)	1993	8
1111	Encoding multiple inheritance hierarchies for lattice operations	Van Bommel, Martin F. (7003272479); Wang, Ping (7407616360)	2004	8
1112	Building virtual web views	Zaane, Osmar R. (15746961400)	2001	8
1113	Transaction reordering	Luo, Gang (7401536289); Naughton, Jeffrey F. (57074852500); Ellmann, Curt J. (6507467523); Watzke, Michael W. (56150577500)	2010	8

1114	An object-oriented database design for improved performance	Gorla, Narasimhaiah (55956734100)	2001	8
1115	Techniques for the evaluation of XML queries: A survey	Chung, Tae-Sun (55259231600); Kim, Hyoung-Joo (55658013300)	2003	8
1116	Empowering integration processes with data provenance	Tomazela, Bruno (36769615800); Hara, Carmem Satie (7005592644); Ciferri, Ricardo Rodrigues (22733677800); Ciferri, Cristina Dutra De Aguiar (22733364200)	2013	8
1117	Region clustering based evaluation of multiple top-N selection queries	Zhu, Liang (57219003275); Meng, Weiyi (7103208074); Yang, Wenzhu (55501055200); Liu, Chunlian (22634851100)	2008	8
1118	Extended aggregations for databases with referential integrity issues	García-García, Javier (23004169600); Ordóñez, Carlos (57203051107)	2010	8
1119	OPQL: Querying scientific workflow provenance at the graph level	Lim, Chunhyeok (36552909200); Lu, Shiyong (7404228150); Chebotko, Artem (8589909400); Fotouhi, Farshad (7004286308); Kashlev, Andrey (36604629600)	2013	8
1120	Automated analysis of integrity constraints in multi-level models	Guerra, Esther (14051863600); de Lara, Juan (6604098453)	2017	8
1121	Incomplete information in a deductive database	Howard Williams, M. (7801541890); Kong, Qinzhen (7102722562)	1988	8
1122	Dynamic adaptive data structures for monitoring data streams	Aguilar-Saborit, J. (8905991000); Trancoso, P. (8954587100); Munteş-Mulero, V. (8905990700); Larriba-Pey, J.L. (6603588897)	2008	8
1123	LB-Grid: An SSD efficient Grid File	Fevgas, Athanasios (36536808800); Bozanis, Panayiotis (6602302218)	2019	8
1124	Deriving and verifying statistical distribution of a hyperlink-based Web page quality metric	Dhyani, Devanshu (6507878077); Bhowmick, Sourav S. (7006796096); Ng, Wee-Keong (13405510300)	2003	8
1125	Enhancing the semantics of UML association redefinition	Nieto, Pilar (57213998681); Costal, Dolors (15043935700); Gómez, Cristina (35233370700)	2011	8
1126	Skyline and reverse skyline query processing in SpatialHadoop	Kalyvas, Christos (57194564824); Maragoudakis, Manolis (56209990000)	2019	8
1127	Algebraic optimization of recursive queries	Houtsma, Maurice A.W. (6603500130); Apers, Peter M.G. (6701823341)	1992	8
1128	Modal change logic (MCL): Specifying the reasoning of knowledge-based systems	Fensel, Dieter (56206793500); Groenboom, Rix (6506879592); De Lavalette, G.R. Renardel (8549264900)	1998	8
1129	WordNet++: A lexicon for the Color-X-method	Dehne, Frank (7005091086); Steuten, Ans (15744815200); Van de Riet, Reind P. (7004354500)	2001	8
1130	Automating extraction of logical domains in a web site	Ayan, Necip Fazil (15827308700); Li, Wen-Syan (36064148600); Kolak, Okan (6506328253)	2002	8
1131	Stepwise structural verification of cyclic workflow models with acyclic decomposition and reduction of loops	Choi, Yongsun (7404776163); Kongsuwan, Pauline (25926458000); Joo, Cheol Min (7005698243); Zhao, J. Leon (35304354800)	2015	8
1132	Functional requirements for historical and interval extensions to the relational model	Lorentzos, Nikos A. (6603468960); Manolopoulos, Yannis (54397260800)	1995	8
1133	Revising the constraints of lightweight mediated schemas	Casanova, Marco A. (7102125708); Lauschnner, Tanara (36100198200); Paes Leme, Luiz André P. (57195947828); Breitman, Karin K. (23007617000); Furtado, Antonio L. (7007037827); Vidal, Vânia M.P. (8402301300)	2010	8
1134	Manipulation operations for an interval-extended relational model	Lorentzos, Nikos A. (6603468960); Pouloussis, Alexandra (7003984218); Small, Carol (7103166628)	1995	8
1135	The Active Vertice method: A performant filtering approach to high-dimensional indexing	Balko, Sören (6507257206); Schmitt, Ingo (7003630750); Saake, Gunter (7004621677)	2004	8

1136	Adaptive-sampling algorithms for answering aggregation queries on Web sites	Afrati, Foto N. (7004644775); Lekeas, Paraskevas V. (14035720000); Li, Chen (25928586200)	2008	8
1137	A logic-based knowledge source system for natural language documents	Skuce, D. (6602553288); Matwin, S. (7003305494); Tazovitch, B. (6508214653); Oppacher, F. (6603706919); Szpakowicz, S. (6701668280)	1985	8
1138	Deriving optimized integrity monitoring triggers from dynamic integrity constraints	Gertz, Michael (57203048165); Lipeck, U.W. (6603010245)	1996	8
1139	Using spatial data access structures for filtering nearest neighbor queries	Belussi, A. (6602572471); Bertino, E. (7102307605); Catania, B. (7003771427)	2002	8
1140	Analysis and optimization of active databases	Montesi, Danilo (6701520375); Torlone, Riccardo (57203667445)	2002	8
1141	A temporal object relational SQL language with attribute timestamping in a temporal transparency environment	Chau, Vo Thi Ngoc (57201132764); Chittayasothorn, Suphamit (6506527982)	2008	8
1142	A conceptual model of information supply	Van Gils, B. (8071997200); Proper, H.A. (6701750449); Van Bommel, P. (8071997500)	2004	8
1143	Self-maintaining web pages: From theory to practice	Bernauer, Martin (6602393067); Schrefl, Michael (6603818133)	2004	8
1144	Conceptual modeling in a document management environment using part-of reasoning in description logics	Lambrix, Patrick (6603284353); Padgham, Lin (6603771825)	2000	8
1145	The ramification problem in temporal databases: Changing beliefs about the past	Papadakis, Nikos (56186665600); Antoniou, Grigoris (7005674407); Plexousakis, Dimitris (6602157883)	2006	8
1146	A new method for integrity constraint checking in deductive databases	Seljée, Ron (6506342121)	1995	8
1147	Reformulating XPath queries and XSLT queries on XSLT views	Groppe, Sven (22234205300); Böttcher, Stefan (7004223308); Birkenheuer, Georg (55994617500); Höing, André (23094214000)	2006	8
1148	On computing minimal and perfect model membership	Johnson, C.A. (55636318978)	1996	8
1149	Semi-automated development of conceptual models from natural language text	Omar, Mussa (57220660990); Baryannis, George (35092202700)	2020	8
1150	PRIMULE: Privacy risk mitigation for user profiles	Pratesi, Francesca (56239725400); Gabrielli, Lorenzo (55354622500); Cintia, Paolo (55846158300); Monreale, Anna (35113703300); Giannotti, Fosca (7004495132)	2020	8
1151	An analytical model for information gathering and propagation in social networks using random graphs	Saurabh, Samant (54682280000); Madria, Sanjay (55665770900); Mondal, Anirban (12759494900); Sairam, Ashok Singh (16242326300); Mishra, Saurabh (57218940246)	2020	8
1152	Content-based Node2Vec for representation of papers in the scientific literature	Kazemi, B. (57194535329); Abhari, A. (23134394400)	2020	8
1153	OFES: Optimal feature evaluation and selection for multi-class classification	Ram, Vallam Sudhakar Sai (57224471583); Kayastha, Namrata (57212275230); Sha, Kewei (9271953200)	2022	8
1154	A core ontology on the Human–Computer Interaction phenomenon	Costa, Simone Dornelas (57192093362); Barcellos, Monalessa Perini (35797067100); Falbo, Ricardo de Almeida (35611352900); Conte, Tayana (16311622900); de Oliveira, Káthia M. (55842311000)	2022	8
1155	Convolutional neural network-based high-precision and speed detection system on CIDDs-001	Daoud, Mohamed_Amine (58254114400); Dahmani, Youcef (54984764700); Bendaoud, Mebarek (58025403000); Ouared, Abdelkader (57191156064); Ahmed, Hasan (57649821900)	2023	8

1156	Business process management	Dustdar, Schahram (6701473617); Fiadeiro, José Luiz (55167795900); Sheth, Amit (57200763252)	2008	7
1157	Comparative study of different binarization methods through their effects in characters localization in scene images	Hashem, Abdel-Rahiem A. (57203187297); Idris, Mohd Yamani Idna (7005361464); Ahmad, Abd El-Baset A. (7202040919)	2018	7
1158	Software engineering for AI based software products	Druffel, Larry (6701712427); Little, Reed (7202638884)	1990	7
1159	Towards accurate predictors of word quality for Machine Translation: Lessons learned on French-English and English- Spanish systems	Luong, Ngoc-Quang (56051243700); Besacier, Laurent (6603620416); Lecouteux, Benjamin (24344030900)	2015	7
1160	Natural language query processing in a temporal database	Suranjan, D.E. (24764001500); Shuh-Shen, P.A.N. (24763483700); Whinston, Andrew B. (7005286020)	1985	7
1161	Assessing functional grammar for knowledge representation	Weigand, Hans (7005150134)	1992	7
1162	A dynamic accessibility protocol for replicated databases	El Abbadi, Amr (55664132600); Dani, Sanjay N. (7005295595)	1991	7
1163	Capturing association among items in a database	Adhikari, Animesh (22633498300); Rao, P.R. (22635355000)	2008	7
1164	History-based joins: Semantics, soundness and implementation	van Hee, Kees (13605962100); Oanea, Olivia (13605240600); Serebrenik, Alexander (8987563200); Sidorova, Natalia (8987563300); Voorhoeve, Marc (6602474771)	2008	7
1165	Question answering in conversations: Query refinement using contextual and semantic information	Habibi, Maryam (55406762500); Mahdabi, Parvaz (25825355300); Popescu-Belis, Andrei (6507864905)	2016	7
1166	An automatic method for reporting the quality of thesauri	Lacasta, Javier (6507695303); Falquet, Gilles (14832763800); Zarazaga-Soria, F. Javier (6506921273); Nogueras-Iso, Javier (6602545787)	2016	7
1167	Management of regression-model data	Rowe, Neil C. (7103322979)	1991	7
1168	2D texture based classification, segmentation and 3D orientation estimation of tissues using DT-CWT feature extraction methods	Aydogan, Dogu Baran (24824135900); Hannula, Markus (23976275900); Arola, Tuukka (23975580900); Dastidar, Prasun (55155803800); Hyttinen, Jari (35515938800)	2009	7
1169	Inconsistency of production systems	Kleine Büning, Hans (7003415769); Löwen, Ulrich (55233422600); Schmitgen, Stefan (16437544000)	1989	7
1170	Integrity maintenance in a heterogeneous engineering database environment	Yoo, Sang B. (7401970838); Cha, Sang K. (7201865507)	1997	7
1171	Integrating role graphs: A tool for security integration	Osborn, Sylvia (7005114002)	2002	7
1172	A cost-effective method for detecting web site replicas on search engine databases	da Costa Carvalho, André Luiz (57212228779); de Moura, Edleno Silva (7004323890); da Silva, Altigran Soares (7402942666); Berlt, Klessius (16303016800); Bezerra, Allan (56326225300)	2007	7
1173	Thematic ranking of object summaries for keyword search	Fakas, Georgios J. (6603230622); Cai, Yilun (56046578700); Cai, Zhi (26665990100); Mamoulis, Nikos (6701782749)	2018	7
1174	Efficient computation of a proximity matching in spatial databases	Lin, Xuemin (55489766400); Zhou, Xiaomei (56168495800); Liu, Chengfei (8843986000)	2000	7
1175	Adaptive optimization for multiple continuous queries	Park, Hong Kyu (56175660900); Lee, Won Suk (56431466100)	2012	7
1176	A Bayesian model for disclosure control in statistical databases	Canfora, Gerardo (7006337131); Cavallo, Bice (24511970800)	2009	7

1177	A time-dependent model with speed windows for share-a-ride problems: A case study for Tokyo transportation	Do, Phan-Thuan (36625306900); Nghiem, Nguyen-Viet-Dung (58418035300); Nguyen, Ngoc-Quang (57143480200); Pham, Quang-Dung (36245392100)	2018	7
1178	ACT-P: A configurable theorem-prover	Hatzilygeroudis, Ioannis (6603517779); Reichgelt, Han (6506720037)	1994	7
1179	An integrated temporal data model incorporating time series concept	Lee, Jae Young (54679890800); Elmasri, Ramez (7003815880); Won, Jongho (55708283200)	1998	7
1180	Antonyms are similar: Towards paradigmatic association approach to rating similarity in SimLex-999 and WordSim-353	Kliegr, Tomáš (25922987100); Zamazal, Ondřej (55657018600)	2018	7
1181	Clustering techniques in object bases: A survey	Bertino, Elisa (7102307605); Saad, Amani A. (35512274300); Ismail, M.A. (57208826610)	1994	7
1182	A multi-level view model for secure object-oriented databases	Baraani-Dastjerdi, Ahmad (57853164400); Pieprzyk, Josef (7005915547); Safavi-Naini, Reihaneh (35619707100)	1997	7
1183	Supporting range queries in a wireless environment with nonuniform broadcast	Tan, Kian-Lee (7403999714); Yu, Jeffrey Xu (57203435589); Eng, Pin-Kwang (7005829582)	1999	7
1184	How to Repair Inconsistency in OWL 2 DL Ontology Versions?	Bayoudhi, Leila (57195476024); Sassi, Najla (35312354100); Jaziri, Wassim (6507087291)	2018	7
1185	Using reordering technique for mobile transaction management in broadcast environments	Kim, SungSuk (17136938700); Lee, SangKeun (56152308000); Hwang, Chong-Sun (7403387941)	2003	7
1186	Assessing the quality factors found in in-line documentation written in natural language: The JavadocMiner	Khamis, Ninus (36446022500); Rilling, Juergen (16242643400); Witte, René (23010981400)	2013	7
1187	Time sequence ordering extensions to the Entity-Relationship model and their application to the automated manufacturing process	Moyne, James R. (7004244575); Teorey, Toby J. (7004547221); McAfee Jr., Leo C. (6701827982)	1991	7
1188	MOODD, a method for object-oriented database design	Silva, Mauricio J.V. (25935323100); Carlson, C.Robert (7202968533)	1995	7
1189	Method for developing interactive multimedia from their semantic content	Agius, Harry W. (6602230969); Angelides, Marios C. (7004451374)	2000	7
1190	Protecting deductive databases from unauthorized retrieval and update requests	Barker, Steve (55423847300)	2002	7
1191	Integrated version and transaction group model for shared engineering databases	Roller, D. (6604034568); Eck, O. (6507001134); Dalakakis, S. (6507633882)	2002	7
1192	Bio2X: A rule-based approach for semi-automatic transformation of semi-structured biological data to XML	Yang, Song (7408518647); Bhowmick, Sourav S. (7006796096); Madria, Sanjay (55665770900)	2005	7
1193	Integrity constraint checking in deductive databases using the Prolog not-predicate	Ling, Tok-Wang (7102284162)	1987	7
1194	Semantic serializability: A correctness criterion for processing transactions in advanced database applications	Brayner, A. (22733268800); Härder, T. (7102369185); Ritter, N. (7004204794)	1999	7
1195	On transformation of authorization policies	Bai, Yun (7402572265); Varadharajan, Vijay (7006691286)	2003	7
1196	Extending the data warehouse for service provisioning data	Kotidis, Yannis (6602471641)	2006	7
1197	On the use of economic price theory to find the optimum levels of privacy and information utility in non-perturbative microdata anonymisation	Zielinski, Marek P. (35209324700); Olivier, Martin S. (7101741068)	2010	7
1198	On the completeness of visual operations for a semantic data model	Miura, Takao (7402844736); Moriya, Kunihiro (7103367132)	1992	7
1199	A hierarchical model learning approach for refining and managing concept clusters discovered from databases	Zhong, Ning (7102138219); Ohsuga, Setsuo (55679296500)	1996	7
1200	Indexing support for spatial joins	Koudas, Nick (6603908248)	2000	7

1201	Less is more: A rule-based syntactic simplification module for improved text-to-pictograph translation	Sevens, Leen (57193008386); Vandeghinste, Vincent (25652383400); Schuurman, Ineke (25652140200); Van Eynde, Frank (12800450200)	2018	7
1202	Structure-based validation of rule-based systems	Preece, A.D. (7004934245); Grossner, C. (6602580013); Chander, P.G. (7003896370); Radhakrishnan, T. (7102781696)	1998	7
1203	An integrated object-role oriented database model	Coulondre, S. (6602947183); Libourel, T. (15136092800)	2002	7
1204	On demand synchronization and load distribution for database grid-based Web applications	Li, Wen-Syan (36064148600); Altintas, Kemal (6603606048); Kantarcioglu, Murat (23135116900)	2004	7
1205	An iterative method for distributed database optimization	Blankinship, Rex (6508133297); Hevner, Alan R. (7004500718); Yao, S. Bing (7402471850)	1996	7
1206	Using natural language sources in model-based knowledge acquisition	Schmidt, Gabriele (55708531100); Wetter, Thomas (35371374000)	1998	7
1207	Implementation of a logic-based support system for concurrent engineering	Greef, Arthur R. (6507542988); Fohn, Steffen M. (6506858028); Young, Robert E. (7405922078); O'Grady, Peter J. (7004827091)	1995	7
1208	A frame-based knowledge representation model and its mapping to nested relations	Reimer, U. (6604040966); Schek, H.-J. (7004477741)	1989	7
1209	Tuple source relational model: A source-aware data model for multidatabases	Ee-Peng, Lim (7201710034); Chiang, Roger H. L. (56254265700); Yinyan, Cao (6504435819)	1999	7
1210	S 3: Processing tree-pattern XML queries with all logical operators	Izadi, Sayyed Kamyar (25823208600); Haghjoo, Mostafa S. (56236672600); Härder, Theo (7102369185)	2012	7
1211	Modeling collaborative behavior using cooperation contracts	Schrefl, Michael (6603818133); Kappel, Gerti (6603839955); Lang, Peter (26662194700)	1998	7
1212	A multi-level architecture for distributed object bases	Kirchberg, Markus (6507772976); Schewe, Klaus-Dieter (7004152293); Tretiakov, Alexei (14632816800); Wang, Baide (Richard) (15758535800)	2007	7
1213	Top-down query processing in indefinite stratified databases	Johnson, C.A. (55636318978)	1998	7
1214	Efficiently supporting order in XML query processing	El-Sayed, Maged (7202416305); Dimitrova, Katica (6602570517); Rundensteiner, Elke A. (7005195084)	2005	7
1215	Boolean lattices of nested relations as a foundation for rule-based database languages	Sander, Peter (57196771210)	1992	7
1216	A recursive object algebra based on aggregation abstraction for manipulating complex objects	Liu, Ling (55628583368)	1993	7
1217	A selective survey of the use of artificial intelligence for database design systems	Storey, Veda C (7003462863)	1993	7
1218	Ontology-based representation and reasoning about precise and imprecise temporal data: A fuzzy-based view	Ghorbel, Fatma (7005165257); Hamdi, Fayçal (36482718200); Métais, Elisabeth (55871602600); Ellouze, Nebrasse (24723993300); Gargouri, Faïez (6602113319)	2019	7
1219	A linear programming-based framework for handling missing data in multi-granular data warehouses	Bimonte, Sandro (15074087900); Ren, Libo (55845155200); Koueya, Nestor (57217165910)	2020	7
1220	Natural logic knowledge bases and their graph form	Andreasen, Troels (7003436503); Bulskov, Henrik (6507738538); Jensen, Per Anker (7402088613); Nilsson, Jørgen Fischer (7401810556)	2020	7
1221	Evolution management in multi-model databases	Holubová, Irena (57195429378); Vavrek, Michal (57208482782); Scherzinger, Stefanie (16317498000)	2021	7

1222	Mining high utility patterns in interval-based event sequences	Mirbagheri, S. Mohammad (57194213648); Hamilton, Howard J. (7103164555)	2021	7
1223	A provenance model for control-flow driven scientific workflows	Butt, Anila Sahar (56414249800); Fitch, Peter (7004598032)	2021	7
1224	Conceptual modeling in the era of Big Data and Artificial Intelligence: Research topics and introduction to the special issue	Trujillo, Juan (7103051196); Davis, Karen C. (7403210248); Du, Xiaoyong (8552775200); Damiani, Ernesto (57195375517); Storey, Veda C. (7003462863)	2021	7
1225	Reasoning on company takeovers: From tactic to strategy	Bellomarini, Luigi (25521393800); Bencivelli, Lorenzo (57192694380); Biancotti, Claudia (14059576300); Blasi, Livia (57235277800); Conteduca, Francesco Paolo (57436909300); Gentili, Andrea (57219337681); Laurendi, Rosario (26021341600); Magnanimi, Davide (57219337978); Zangrandi, Michele Savini (57269707400); Tonelli, Flavia (57226183612); Ceri, Stefano (7006299676); Benedetto, Davide (57217593655); Nissl, Markus (57219335831); Sallinger, Emanuel (37011472400)	2022	7
1226	OLAP Patterns: A pattern-based approach to multidimensional data analysis	Kovacic, Ilko (57190248931); Schuetz, Christoph G. (57027450600); Neumayr, Bernd (36696524300); Schrefl, Michael (6603818133)	2022	7
1227	Decision tree post-pruning without loss of accuracy using the SAT-PP algorithm with an empirical evaluation on clinical data	Lazebnik, Teddy (57220855077); Bunimovich-Mendrazitsky, Svetlana (8870184100)	2023	7
1228	Meta-heuristic Searched-Ensemble Learning for fake news detection with optimal weighted feature selection approach	Hannah Nithya, S. (57739496900); Sahayadhas, Arun (50061074300)	2023	7
1229	Enhancing item-based collaborative filtering by users' similarities injection and low-quality data handling	Fkih, Fethi (55625976400)	2023	7
1230	A database model for heterogeneous spatial collections: Definition and algebra	Psaila, Giuseppe (6603328998)	2011	6
1231	Dialogue generation using self-attention generative adversarial network	Hatua, Amartya (57205019790); Nguyen, Trung T. (57209166328); Sung, Andrew H. (7006265966)	2019	6
1232	The knowledge base partitioning problem: Mathematical formulation and heuristic clustering	Raz, Tzvi (7006153630); Botten, Nancy A. (6507744021)	1992	6
1233	An optimal workload-based data allocation approach for multidisk databases	Lin, Ming-Hua (35208520100)	2009	6
1234	Context-dependent 'near' and 'far' in spatial databases via supervaluation	Minock, Michael (13908343600); Mollevik, Johan (55623857600)	2013	6
1235	Discovering patterns of medical practice in large administrative health databases	Semenova, Tatiana (7102354889)	2004	6
1236	What you use, not what you do: Automatic classification and similarity detection of recipes	Kicherer, Hanna (57194696842); Dittrich, Marcel (57194699205); Grebe, Lukas (57194697508); Scheible, Christian (36992515300); Klinger, Roman (23134979000)	2018	6
1237	Engineering large knowledge-based systems	Habermann, A.N. (7004898718)	1990	6
1238	Knowledge engineering versus software engineering	Alonso, Fernando (6506220303); Maté, Jose Luis (36790128000); Pazos, Juan (6701531887)	1990	6
1239	Using background knowledge in the aggregation of imprecise evidence in databases	McClean, Sally (57218412784); Scotney, Bryan (6701586452); Shapcott, Mary (6508044692)	2000	6

1240	A conceptual modeling framework for network analytics	Wang, Qing (55698295100)	2015	6
1241	Pattern oriented RDF graphs exploration	Ouksili, Hanane (56241883700); Kedad, Zoubida (6506690569); Lopes, Stéphane (7006796421); Nugier, Sylvaine (24367249700)	2018	6
1242	Context-similarity based hotlinks assignment: Model, metrics and algorithm	Antoniou, D. (6701589936); Garofalakis, J. (6701664856); Makris, C. (7004435746); Panagis, Y. (56129180600); Sakkopoulos, E. (8977391600)	2010	6
1243	On discovery of functional dependencies from data	Liu, Jixue (8416110900); Ye, Feiyue (8417467500); Li, Jiuyong (57193306418); Wang, Junhu (57202342610)	2013	6
1244	Extraction and clustering of arguing expressions in contentious text	Trabelsi, Amine (44861809800); Zaïane, Osmar R. (6602849837)	2015	6
1245	Mining task post-conditions: Automating the acquisition of process semantics	Santiputri, Metta (57021713600); Ghose, Aditya K. (7103191960); Dam, Hoa Khanh (36605907400)	2017	6
1246	Expert database systems: Efficient support for engineering environments	Sellis, T. (7004880755); Roussopoulos, N. (7003496227); Mark, L. (57211505440); Faloutsos, C. (7006005166)	1988	6
1247	The indefinite closed world assumption	Kong, Q. (7102722562); Williams, M.H. (55475102300); Chen, G. (57198649304)	1994	6
1248	An agent-based model for domain knowledge representation	Le Ber, Florence (57202981280); Chouvet, Marie-Pierre (6507663806)	1999	6
1249	A new proposal for graph classification using frequent geometric subgraphs	Gago-Alonso, Andrés (24080195500); Muñoz-Briseño, Alfredo (55386487700); Acosta-Mendoza, Niusvel (54789440400)	2013	6
1250	Definition libraries for conceptual modelling	Battista, Giuseppe Di (55662926000); Kangassalo, Hannu (6602552491); Tamassia, Roberto (7006102349)	1989	6
1251	Information retrieval based on fuzzy reasoning	Guardalben, G. (6507951171); Lucarella, D. (56149082000)	1993	6
1252	The impact of linguistics on conceptual models: Consistency and understandability	Burg, Johannes Franciscus Maria (7102844059); Van De Riet, R.P. (7004354500)	1997	6
1253	A dynamic scheduler for the infinite air-cache	Tan, Kian-Lee (7403999714); Yu, Jeffrey Xu (57203435589)	1997	6
1254	Retrieving NASA problem reports: A case study in natural language information retrieval	Van Delden, Sebastian (8859094200); Gomez, Fernando (36171558500)	2004	6
1255	Automatically maintaining navigation sequences for querying semi-structured web sources	Pan, Alberto (8236673600); Raposo, Juan (8236673700); Álvarez, Manuel (42960958000); Carneiro, Víctor (6602131429); Bellas, Fernando (6603449491)	2007	6
1256	Fast UDFs to compute sufficient statistics on large data sets exploiting caching and sampling	Ordóñez, Carlos (57203051107); Pitchaimalai, Sasi K. (26325790500)	2010	6
1257	Enterprise integration solution for power supply company based on GeoNis interoperability framework	Stoimenov, Leonid (6602659442); Davidovic, Nikola (57189058074); Stanimirovic, Aleksandar (36351192600); Bogdanovic, Milos (53263172600); Nikolic, Dalibor (57189059086)	2016	6
1258	Planning runtime software adaptation through pragmatic goal model	Guimarães, Felipe Pontes (53879692200); Rodrigues, Genáina Nunes (8724027300); Ali, Raian (56038311800); Batista, Daniel Macêdo (22733809600)	2017	6
1259	Migrating to an object-oriented database using semantic clustering and transformation rules	Missaoui, Rokia (6701456715); Godin, Robert (7003436190); Sahraoui, Houari (57196894039)	1998	6
1260	Three types of redundancy in integrity checking: An optimal solution	Seljée, R.R. (6506342121); De Swart, H.C.M. (12763907100)	1999	6
1261	A method for the definition of integrity constraints in object-oriented conceptual modeling languages	Olivé, Antoni (7005738744)	2006	6

1262	Query optimization in object-oriented knowledge bases	Sheu, Philip C. (35502789800); Kashyap, R.L. (7202038479); Yoo, S. (16229163800)	1989	6
1263	Combining paradigms in knowledge engineering	Gaines, Brian R (7005218971); Rappaport, Alain T (7004872530); Shaw, Mildred L.G (7401652552)	1992	6
1264	A transition logic for schemata conflicts	Boeva, Veselka (55888000000); Ekenberg, Love (6701874341)	2004	6
1265	Adaptive indexing for content-based search in P2P systems	Zhou, Aoying (55183487900); Zhang, Rong (55522967300); Qian, Weining (7201831316); Vu, Quang Hieu (14029498000); Hu, Tianming (55434249200)	2008	6
1266	An efficient top-k query processing framework in mobile sensor networks	Yang, Heejung (26968055400); Chung, Chin-Wan (7403613348); Kim, Myoung Ho (34975062900)	2016	6
1267	Pragmatic question answering: A game-theoretic approach	Stevens, Jon Scott (56898427500); Benz, Anton (15833970200); Reuße, Sebastian (55096907700); Klabunde, Ralf (14123412300)	2016	6
1268	BEstream: Batch Capturing with Elliptic Function for One-Pass Data Stream Clustering	Wattanakitrunroj, Niwan (24765732900); Maneeroj, Saranya (24081010600); Lursinsap, Chidchanok (55396044200)	2018	6
1269	Database operating efficiency in fragmented databases in mainframe, mini, and micro system environments	Gorla, Narasimhaiah (55956734100); Boe, Warren J. (6602934866)	1990	6
1270	Enhanced tree quorum algorithm for replica control in distributed database systems	Chung, Soon M. (7404292806)	1994	6
1271	Occupation inference through detection and classification of biographical activities	Filatova, Elena (51664780500); Prager, John (55942563100)	2012	6
1272	Top-k best probability queries and semantics ranking properties on probabilistic databases	Le, Trieu Minh Nhut (55210505400); Cao, Jinli (7403353999); He, Zhen (55475765900)	2013	6
1273	Data mining for decision support with uncertainty on the airplane	Sene, A. (56650802600); Kamsu-Foguem, B. (8046606700); Rumeau, P. (6601955695)	2018	6
1274	Stored queries-a data organization for query optimization	Rzeczkowski, Wiktor (6507806506); Subieta, Kazimierz (56901024100)	1988	6
1275	Using linguistic knowledge in view integration: Toward a third generation of tools	Métais, Elisabeth (55871602600); Kedad, Zoubida (6506690569); Comyn-Wattiau, Isabelle (6603148285); Bouzeghoub, Mokrane (6602206711)	1997	6
1276	Effective pruning for XML structural match queries	Xin, Yefei (58376785700); He, Zhen (55475765900); Cao, Jinli (7403353999)	2010	6
1277	Processing and transaction concepts for cooperation of engineering workstations and a database server	Härder, T. (7102369185); Hübel, Ch. (7004232678); Meyer-Wegener, K. (56313870200); Mitschang, B. (6603701448)	1988	6
1278	Utilizing the multiple facets of WWW contents	Kogan, Yakov (36803807800); Michaeli, David (7005165818); Sagiv, Yehoshua (7003339672); Shmueli, Oded (7003850948)	1998	6
1279	Patterns of self-stabilization in database consistency maintenance	Etzion, Opher (6701419976); Dahav, Boris (6508064560)	1998	6
1280	One-to-many data transformations through data mappers	Carreira, Paulo (8847094400); Galhardas, Helena (55975486100); Lopes, Antónia (7201958418); Pereira, João (22986526400)	2007	6
1281	Incremental procedures for partitioning highly intermixed multi-class datasets into hyper-spherical and hyper-ellipsoidal clusters	Kong, Qinglu (16834877800); Zhu, Qiuming (8337358300)	2007	6
1282	A generic framework and methodology for extracting semantics from co-occurrences	Rachakonda, Aditya Ramana (15045672100); Srinivasa, Srinath (6602084314); Kulkarni, Sumant	2014	6

		(55908871500); Srinivasan, M.S. (56937850100)		
1283	Scheduling ontology development projects	Suárez-Figueroa, Mari Carmen (56005389600); Gómez-Pérez, Asunción (6603934482); Fernández-López, Mariano (7004064466)	2016	6
1284	Accurate and efficient profile matching in knowledge bases	Martínez-Gil, Jorge (57188967922); Paoletti, Alejandra Lorena (56896856200); Rácz, Gábor (57206035304); Sali, Attila (7102068047); Schewe, Klaus-Dieter (7004152293)	2018	6
1285	A logic programming perspective on decision table theory and practice	Reilly, Kevin D. (7004723352); Salah, Akram (57205129997); Yang, Chao-Chih (7407030434)	1987	6
1286	Coordinating distributed organizational knowledge	Jarke, Matthias (7006359305); Jeusfeld, Manfred A. (6603829750); Peters, Peter (57197647366); Pohl, Klaus (7005770478)	1997	6
1287	Better mobile client's cache reusability and data access time in a wireless broadcast environment	Yi, Song-Yi (55666492900); Jung, Sungwon (55740728400); Suh, Jonghyun (14054898100)	2007	6
1288	Weaving temporal and reliability aspects into a schema tapestry	Dyreson, Curtis (6602193402); Snodgrass, Richard T. (7006511327); Currim, Faiz (15122156300); Currim, Sabah (21740829200); Joshi, Shailesh (16642901800)	2007	6
1289	Interoperability mapping from XML schemas to ER diagrams	Della Penna, Giuseppe (57216809162); Marco, Antiniscia Di (7005795661); Intrigila, Benedetto (6602147536); Melatti, Igor (22433835400); Pierantonio, Alfonso (15064742800)	2006	6
1290	Optimization of nested XQuery expressions with orderby clauses	Wang, Song (56034013200); Rundensteiner, Elke A. (7005195084); Mani, Murali (14028654300)	2007	6
1291	Verification of accuracy of rules in a rule based system	Anantaram, C. (55890817100); Nagaraja, G. (57204528682); Nori, K.V. (15064507600)	1998	6
1292	Using NNF to transform conceptual data models to object-oriented database designs	Mok, Wai Yin (7005237938); Embley, David W. (7003716561)	1998	6
1293	Mining time-interval univariate uncertain sequential patterns	Liu, Ying-Ho (26659822900)	2015	6
1294	A knowledge-based system for generating interaction networks from ecological data	Coetzer, Willem (57192682665); Moodley, Deshendra (8601861800); Gerber, Aurna (56224861200)	2017	6
1295	Implementing version support for complex objects	Blanken, Henk (6701673202)	1991	6
1296	Architectures and monitoring techniques for active databases: An evaluation	Chakravarthy, Sharma (35588882500)	1995	6
1297	FORM: A flexible data model for integrated CASE environments	Kim, Duk Hyun (57221129533); Park, Sung Joo (55652241400)	1997	6
1298	Extending Datalog with arrays	Greco, Sergio (57202439567); Palopoli, Luigi (7004141918); Spadafora, Eugenio (6603294637)	1995	6
1299	A temporal logic approach to object certification	Sernadas, Amílcar (35607727100); Sernadas, Cristina (6603952566); Ramos, Jaime (7401900998)	1996	6
1300	A rule-based query optimizer with multiple search strategies	Finance, Béatrice (6602879713); Gardarin, Georges (7004610838)	1994	6
1301	Empirical evidence for the usefulness of Armstrong tables in the acquisition of semantically meaningful SQL constraints	Le, Van (52063570300); Link, Sebastian (57216140462); Ferrarotti, Flavio (14029653300)	2015	6
1302	Minimal model generation for refined answering of generalized queries in disjunctive deductive databases	Yahya, Adnan H. (58585207000)	2000	6
1303	Replacement strategies for XQuery caching systems	Chen, Li (55574215949); Wang, Song (56034013200); Rundensteiner, Elke A. (7005195084)	2004	6

1304	The processing of a class of transitive-closure queries on uniprocessor and shared-nothing multiprocessor systems	Qadah, Ghassan Z. (6602143928); Kim, Jung J. (57191681553)	1992	6
1305	An entity-based approach to query processing in relational databases. Part I: Entity type representation	Järvelin, Kalervo (7003932928); Niemi, Timo (58407552100)	1993	6
1306	Updating intensional predicates in deductive databases	Laurent, D. (57200748710); Phan Luong, V. (6506153465); Spyratos, N. (7004395771)	1998	6
1307	Mapping, indexing and querying of MPEG-7 descriptors in RDBMS with IXMDB	Chu, Yang (8866744400); Chia, Liang-Tien (7006349482); Bhowmick, Sourav S. (7006796096)	2007	6
1308	t-Spanners for metric space searching	Navarro, Gonzalo (7103018112); Paredes, Rodrigo (13607125500); Chávez, Edgar (7101817688)	2007	6
1309	Query processing in DOQL: A deductive database language for the ODMG model	Sampaio, Pedro R. Falcone (11639273900); Paton, Norman W. (7101820325)	2000	6
1310	Schemas for web data: A reverse engineering approach	Bhowmick, Sourav S. (7006796096); Ng, Wee Keong (13405510300); Madria, Sanjay (55665770900)	2001	6
1311	On cyclic covers and perfect models	Johnson, C.A. (55636318978)	1999	6
1312	An approach for the extensional integration of data sources with heterogeneous representation formats	Pontieri, Luigi (6602455538); Ursino, Domenico (7004353802); Zumpano, Ester (6601916208)	2003	6
1313	A conceptual design aid environment for expert-database systems	Yasdi, Ramin (6603543677)	1985	6
1314	Benchmarking access methods for time-evolving regional data	Tzouramanis, Theodoros (6603251297); Vassilakopoulos, Michael (6601985337); Manolopoulos, Yannis (54397260800)	2004	6
1315	An analysis of the collaboration network of the International Conference on Conceptual Modeling at the Age of 40	Lima, Lucas Henrique C. (57204819666); Laender, Alberto H.F. (6701595293); Moro, Mirella M. (7102336257); de Oliveira, José Palazzo M. (15847751900)	2020	6
1316	DECIDE: An Agile event-and-data driven design methodology for decisional Big Data projects	Sfaxi, Lilia (43462165300); Ben Aissa, Mohamed Mehdi (57219237565)	2020	6
1317	Analysis and evaluation of document-oriented structures	Gómez, Paola (57191158832); Roncancio, Claudia (6602456678); Casallas, Rubby (15064114500)	2021	6
1318	A novel domain and event adaptive tweet augmentation approach for enhancing the classification of crisis related tweets	Ramachandran, Dharini (57204390024); Parvathi, R. (37079473200)	2021	6
1319	Efficient machine learning on data science languages with parallel data summarization	Al-Amin, Sikder Tahsin (57188754916); Ordonez, Carlos (57203051107)	2021	6
1320	From base data to knowledge discovery – A life cycle approach – Using multilayer networks	Santra, Abhishek (56110140800); Komar, Kanthi (57205202546); Bhowmick, Sanjukta (7006796100); Chakravarthy, Sharma (35588882500)	2022	6
1321	A feature selection method based on term frequency difference and positive weighting factor	Zhou, Hongfang (23478967700); Li, Xiang (57775691000); Wang, Chenguang (57845943400); Ma, Yiming (57219018501)	2022	6
1322	An effective strategy for churn prediction and customer profiling	Geiler, Louis (57469401200); Affeldt, Séverine (55468022800); Nadif, Mohamed (55917237300)	2022	6
1323	FaNDS: Fake News Detection System using energy flow	Xu, Jiawei (57209469104); Zadorozhny, Vladimir (6602163749); Zhang, Danchen (57212579219); Grant, John (7403160676)	2022	6
1324	LEAPME: Learning-based Property Matching with Embeddings	Ayala, Daniel (57204530984); Hernández, Inma (42961380400); Ruiz, David (16317312600); Rahm, Erhard (6603724515)	2022	6

1325	Generating multiple conceptual models from behavior-driven development scenarios	Gupta, Abhimanyu (57209589404); Poels, Geert (6602187929); Bera, Palash (35721499600)	2023	6
1326	GIRE: Gender-Inclusive Requirements Engineering	Nunes, Inês (57315300000); Moreira, Ana (7201367686); Araujo, João (57200393219)	2023	6
1327	Temporal representation and reasoning	Bettini, C. (26642933000); Montanari, A. (7101889543)	2003	5
1328	Workshop on comparing description and frame logics	Fensel, D. (56206793500); Rousset, M.-C. (7005980183); Decker, S. (8846837500)	1998	5
1329	Automatic speech recognition: Do emotions matter?	Catania, Fabio (57207913470); Crovari, Pietro (57205684235); Spitale, Micol (57207908496); Garzotto, Franca (6701572830)	2019	5
1330	Natural-language-based development of information systems	Berztiss, A.T. (7004751615)	1997	5
1331	A comprehensive study: Sentence compression with linguistic knowledge-enhanced gated neural network	Zhao, Yang (57221285120); Shen, Xiaoyu (57194710829); Senuma, Hajime (55146131900); Aizawa, Akiko (6701312731)	2018	5
1332	Conceptual construction on incomplete survey data	Wang, Shouhong (56520620500); Wang, Hai (13610344400)	2004	5
1333	Discovery of pathways in protein-protein interaction networks using a genetic algorithm	Nguyen, Hoai Anh (56540601700); Vu, Cong Long (56594598200); Tu, Minh Phuong (14025975500); Bui, Thu Lam (8961832500)	2015	5
1334	A case study on the use of machine learning techniques for supporting technology watch	Perez, Alain (55706335300); Basagoiti, Rosa (22984434300); Cortez, Ronny Adalberto (59158815300); Larrinaga, Felix (53877813400); Barrasa, Ekaitz (57203385181); Urrutia, Ainara (25960476700)	2018	5
1335	Capturing information on behaviour with the RADD-NLI: A linguistic and knowledge-based approach	Buchholz, Edith (7003791650); Düsterhöft, Antje (6701437960); Thalheim, Bernhard (6701407841)	1997	5
1336	A continuous reverse skyline query processing method in moving objects environments	Lim, Jongtae (36600483000); Li, He (53364049500); Bok, Kyoungsoo (55916957300); Yoo, Jaesoo (55663635400)	2016	5
1337	Semantic Web user interfaces – A model and a review	Charalampidis, Charalampos C. (57201660229); Keramopoulos, Euclid A. (6507122554)	2018	5
1338	Discovering branching and fractional dependencies in databases	Georgieva, Tsvetanka (57422875200)	2008	5
1339	Temporal expression extraction with extensive feature type selection and a posteriori label adjustment	Filannino, Michele (25633782800); Nenadic, Goran (6603053052)	2015	5
1340	Circular Bayesian classifiers using wrapped Cauchy distributions	Leguey, Ignacio (57189681708); Bielza, Concha (55897143900); Larrañaga, P. (7004720416)	2019	5
1341	A new fragmentation scheme for recursive query processing	Zhou, Xiaofang (8837009900); Zhang, Yanchun (16177024400); Orlowska, Maria E. (7004285631)	1994	5
1342	Linguistically based conceptual modeling of business communication	Steuten, A.A.G. (15744815200); Van De Riet, R.P. (7004354500); Dietz, J.L.G. (56379744700)	2000	5
1343	An active learning approach to build adaptive cost models for web services	Golfarelli, Matteo (6602888121); Graziani, Simone (56281709000); Rizzi, Stefano (7005314544)	2019	5
1344	Log sequence clustering for workflow mining in multi-workflow systems	Liu, Xumin (55992271800); Alshangiti, Moayad (57203802139); Ding, Chen (35361508000); Yu, Qi (8355184200)	2018	5
1345	A persistent complex object database language	Khoshafian, Setrag (6603029783)	1989	5
1346	Flexible specification of interoperable transactions	Weigand, Hans (7005150134); Ngu, Anne H.H. (6603704604)	1998	5

1347	Spatio-temporal data warehouses using an adaptive cell-based approach	Choi, Wonik (10142104200); Kwon, Dongseop (10143029100); Lee, Sangjun (56988352900)	2006	5
1348	Applying semantic technologies in cervical cancer research	Maramis, Christos (36242129400); Falelakis, Manolis (8719599800); Lekka, Irini (8242469900); Diou, Christos (6505888798); Mitkas, Pericles (7003488915); Delopoulos, Anastasios (35567310800)	2013	5
1349	An ontology-based approach to knowledge representation for Computer-Aided Control System Design	Benavides, Carmen (25228335900); García, Isafas (57215694490); Alaiz, Héctor (35408799400); Quesada, Luis (25651766700)	2018	5
1350	Integration of functions in logic database systems	Lambrichts, Erik (6506291128); Nees, Peter (6602254134); Paredaens, Jan (7003867115); Peelman, Peter (6602758740); Tanca, Letizia (57204257247)	1990	5
1351	Processing OLAP queries in hierarchically clustered databases	Theodoratos, Dimitri (8410092800); Tsois, Aris (6507192785)	2003	5
1352	A partition index for XML and semi-structured data	Kim, Jongik (14009269000); Kim, Hyoung-Joo (55658013300)	2004	5
1353	A new look at generating multi-join continuous query plans: A qualified plan generation problem	Zhu, Yali (56110126300); Raghavan, Venkatesh (57197428589); Rundensteiner, Elke A. (7005195084)	2010	5
1354	F_MP: A fuzzy match framework for rule-based programming	Yang, Jae Dong (8937988900)	1997	5
1355	SPY-TEC: an efficient indexing method for similarity search in high-dimensional data spaces	Lee, Dong-Ho (55636321021); Kim, Hyoung-Joo (55658013300)	2000	5
1356	Processing partially specified queries over high-dimensional databases	Yu, Byunggu (7402092613); Bailey, Thomas (7201376063)	2007	5
1357	Terminability and compensability of cycles in business processes with a process-oriented trigger	Choi, Injun (7401471785); Jung, Jisoo (15076816100); Mannino, Michael (7007087511); Park, Chulsoon (55728047400)	2008	5
1358	Exploiting semantics for XML keyword search	Le, Thuy Ngoc (55859570800); Bao, Zhifeng (23388282400); Ling, Tok Wang (7102284162)	2015	5
1359	Towards richer rule languages with polynomial data complexity for the Semantic Web	Nguyen, Linh Anh (7202156782); Nguyen, Thi-Bich-Loc (57212283963); Szałas, Andrzej (55881534000)	2015	5
1360	Secure logical schema and decomposition algorithm for proactive context dependent attribute based inference control	Turan, Uğur (58548359700); Toroslu, İsmail Hakkı (6603451626); Kantarcıoğlu, Murat (23135116900)	2017	5
1361	An extension of the general entity manipulator language for global view definition	Mannino, Michael V. (7007087511); Karle, Cynthia R. (7003473673)	1985	5
1362	Database lexicography	Coen, Gary (7006920498)	2002	5
1363	Progressive ranking of range aggregates	Li, Hua-Gang (36077687700); Yu, Hailing (8843617000); Agrawal, Divyakant (35561936700); Abbadı, Amr El (7005796438)	2007	5
1364	Using slice join for efficient evaluation of multi-way joins	Lawrence, Ramon (11638909800)	2008	5
1365	Multi-level medical knowledge formalization to support medical practice for chronic diseases	Kamišalić, Aida (14631936300); Riaño, David (56211743900); Kert, Suzana (56607347300); Welzer, Tatjana (6603728922); Nemec Zlatolas, Lili (56728554300)	2019	5
1366	A logic-based information modelling language	Jardine, D.A. (7005932466); van Griethuysen, J.J. (6507361355)	1987	5
1367	Efficient handling of tuples with embedded large objects	Dieker, Stefan (57505075000); Güting, Ralf Hartmut (6603544247)	2000	5

1368	Load balancing and data placement for multi-tiered database systems	Li, Wen-Syan (36064148600); Zilio, Daniel C. (6505816840); Batra, Vishal S. (57223443979); Zuzarte, Calisto (6602651981); Narang, Inderpal (56048210600)	2007	5
1369	Enabling policy-based access control in BI applications	Bhatti, Rafae (7005370269); Gao, Dengfeng (7202964847); Li, Wen-Syan (36064148600)	2008	5
1370	The freeze algorithms for concurrency control in secure real-time database systems	Park, Chanjung (22433573600); Park, Seog (7501834097)	2003	5
1371	Adaptive searching and replication of images in mobile hierarchical peer-to-peer networks	Rathore, Kumar Abhinay (21741032600); Madria, Sanjay K. (55665770900); Hara, Takahiro (7404213547)	2007	5
1372	Access cost estimation for physical database design	Ciaccia, Paolo (7003910715); Maio, Dario (55936746400)	1993	5
1373	Default databases: Extending the approach of deductive databases using default logic	Hunter, Anthony (7402779550); McBrien, Peter (55891184400)	1998	5
1374	Algorithms for analysing related constraint business rules	Fu, Gaihua (7202722445); Shao, Jianhua (35735031700); Embury, Suzanne M. (7007099773); Gray, W. Alex (59157686000)	2004	5
1375	Towards building logical views of websites	Liu, Zehua (56101466900); Ng, Wee Keong (13405510300); Lim, Ee -Peng (7201710034); Li, Feifei (8918895500)	2004	5
1376	Using ASP for knowledge management with user authorization	Zhao, Lingzhong (8938830400); Qian, Junyan (8870237700); Chang, Liang (57169276800); Cai, Guoyong (55821187500)	2010	5
1377	DICE: Declarative integrity constraint embedding into the object database standard ODMG-93	Fahrner, Christian (6603341793); Marx, Thomas (7005364359); Philippi, Stephan (55880512800)	1997	5
1378	An intermediate database language and its rule-based transformation to different database languages	Piatetsky-Shapiro, Gregory (6602663215); Jakobson, Gabriel (57204377979)	1987	5
1379	A query generalizer for providing cooperative responses in an office document system	Liu, Qianhong (7406293194); Ng, Peter A. (7201377026)	1998	5
1380	A graph grammars based framework for querying graph-like data	Flesca, Sergio (55926108000); Furfaro, Filippo (6507420924); Greco, Sergio (57202439567)	2006	5
1381	Enriching the class diagram concepts to capture natural language semantics for database access	Tseng, Frank S.C. (7005751142); Chen, Chun-Ling (14044633500)	2008	5
1382	The dynamics of default reasoning	Van Linder, B. (6603298332); Van Der Hoek, W. (7005925719); Meyer, J.-J.Ch. (8882775600)	1997	5
1383	Support for modeling relationships in object-oriented databases	Beraha, Sabina (6506431507); Su, Jianwen (7401681901)	1999	5
1384	A new approach to modeling personal office documents	Mhlanga, Fortune S. (6603232376); Zhu, Zhijian (56163571900); Wang, Jason T.L. (9250276900); Ng, Peter A. (7201377026)	1995	5
1385	Revising aggregation hierarchies in OLAP: A rule-based approach	Espil, Mauricio Minuto (6506638287); Vaisman, Alejandro A. (7006229550)	2003	5
1386	Conceptual language for statistical data modeling	Catarci, Tiziana (56213625300); D'Angiolini, Giovanna (6506145550); Lenzerini, Maurizio (56962738200)	1995	5
1387	Query optimization by using knowledge about data semantics	Bertino, Elisa (7102307605); Musto, Daniela (7004491351)	1992	5
1388	View update in entity-relationship approach	Ling, Tok Wang (7102284162); Lee, Mong Li (7409117252)	1996	5
1389	ISALOG(-): A deductive language with negation for complex-object databases with hierarchies	Atzeni, Paolo (7004011825); Cabibbo, Luca (6603896267); Mecca, Giansalvatore (7003401550)	1997	5
1390	A unified approach to structured and XML data modeling and manipulation	Magnani, Matteo (35280406800); Montesi, Danilo (6701520375)	2006	5

1391	Updates and object-generating views in ODBS	Bellahsene, Zohra (6602537207)	2000	5
1392	Databases for knowledge bases: empirical study of a knowledge base management system for a semantic network	Lockemann, Peter C. (6604054564); Nagel, Hans-Hellmut (57206027670); Walter, Ingrid M. (7005460293)	1991	5
1393	Filter ranking in high-dimensional space	Schmitt, Ingo (7003630750); Balko, Sören (6507257206)	2006	5
1394	Monitoring temporal preconditions in a behaviour oriented object model	Schwiderski, Scarlet (6508243223); Hartmann, Thorsten (7102459480); Saake, Gunter (7004621677)	1994	5
1395	Dynamically evolving concurrent information systems specification and validation: A component-based Petri nets proposal	Aoumeur, Nasreddine (6507778875); Saake, Gunter (7004621677)	2004	5
1396	A Cryptographic Ensemble for secure third party data analysis: Collaborative data clustering without data owner participation	Almutairi, Nawal (57195493764); Coenen, Frans (7004902559); Dures, Keith (56017070700)	2020	5
1397	Scalable distributed reachability query processing in multi-labeled networks	Gacem, Amina (57151178300); Papadopoulos, Apostolos N. (7101944599); Boukhalfa, Kamel (8987187900)	2020	5
1398	Query processing on large graphs: Approaches to scalability and response time trade offs	Das, Soumyava (57193545212); Santra, Abhishek (56110140800); Bodra, Jay (57203764516); Chakravarthy, Sharma (35588882500)	2020	5
1399	Handling data imperfection—False data inputs in applications for Alzheimer's patients	Ghorbel, Fatma (7005165257); Hamdi, Fayçal (36482718200); Achich, Nassira (57201362630); Metais, Elisabeth (55871602600)	2020	5
1400	Aligning and linking entity mentions in image, text, and knowledge base	Dost, Shahi (57194465051); Serafini, Luciano (7005585409); Rospocher, Marco (14010314000); Ballan, Lamberto (23134291400); Sperduti, Alessandro (7004071191)	2022	5
1401	Wikipedia searches and the epidemiology of infectious diseases: A systematic review	Santangelo, Omar Enzo (57199509030); Gianfredi, Vincenzo (57189519620); Provenzano, Sandro (57088466700)	2022	5
1402	Anomaly detection with correlation laws	Angiulli, Fabrizio (6602791401); Fassetti, Fabio (15063943300); Serrao, Cristina (57189905552)	2023	5
1403	Explainable machine learning models to analyse maternal health	Patel, Shivshanker Singh (56203097800)	2023	5
1404	Metaheuristic enabled intelligent model for stock market prediction via integrating volatility spillover: India and its Asian and European counterparts	Tripathi, Deepak Kumar (57202849736); Chadha, Saurabh (57188702172); Tripathi, Ankita (58025392700)	2023	5
1405	Automatic schema construction of electrical graph data platform based on multi-source relational data models	Tang, Yachen (57195454480); Wu, Xingping (57716841000); Zhou, Chunlei (57216646698); Zhu, Guangxin (57716585000); Song, Jinwei (57199025238); Liu, Guangyi (55706549100); Li, Zhihong (57716073200)	2023	5
1406	Data integration over the Web	Bellahsene, Z. (6602537207)	2003	4
1407	Data warehouse and knowledge discovery (DAWAK'05)	Trujillo, Juan (7103051196); Min Tjoa, A. (6701811086)	2007	4
1408	Guest editors' introduction	Berzal, Fernando (6602612825); Cubero, Juan-Carlos (55663885600)	2007	4
1409	Approaching natural conversation chatbots by interactive dialogue modelling & microsoft LUIS	Wachtel, Alexander (57191866064); Fuchß, Dominik (57209096250); Schulz, Sophie (57208210525); Tichy, Walter F. (7004076943)	2019	4
1410	A purpose based usage access control model for E-healthcare services	Sun, Lili (55492931400); Wang, Hua (7501735520)	2011	4

1411	rsLDA: A Bayesian hierarchical model for relational learning	Taranto, Claudio (36731620100); Di Mauro, Nicola (57205540443); Esposito, Floriana (35502785400)	2011	4
1412	A knowledge-based approach to relational database design	Obretenov, D. (6506046160); Angelov, Zh. (16226026800); Mihaylov, J. (6504266173); Dishlieva, P. (6505490753); Kirova, N. (57197692274)	1988	4
1413	Improving the quality of the conversational datasets through extensive semantic analysis	Krommyda, Maria (57190488323); Kantere, Verena (23134976200)	2019	4
1414	A visual data model	Orman, Levent (7004574037)	1992	4
1415	Following the entire solution path of sparse principal component analysis by coordinate-pairwise algorithm	Meng, Deyu (23393058400); Cui, Hengbin (55704386400); Xu, Zongben (7405426248); Jing, Kaili (55866209900)	2013	4
1416	Information system dynamics representation in production environments	Dileva, A. (6602683692); Giolito, P. (6602797213)	1988	4
1417	Moving view field nearest neighbor queries	Kim, Wooil (57194054092); Shim, Changbeom (57193745679); Heo, Wan (57194061655); Yi, Sungmin (54387640900); Chung, Yon Dohn (7404387535)	2019	4
1418	Concept detection using text exemplars aligned with a specialized ontology	Juckett, David A. (6701585432); Kasten, Eric P. (7004557260); Davis, Fred N. (35110925700); Gostine, Mark (6507604852)	2019	4
1419	An analysis of compounds in HPSG (Head-driven Phrase Structure Grammar) for database queries	McFetridge, Paul (6603502598); Popowich, Fred (6603652403); Fass, Dan (57191461488)	1996	4
1420	Generating belief functions from qualitative preferences: An approach to eliciting expert judgments and deriving probability functions	Ngwenyama, Ojelanki K. (6701581340); Bryson, Noel (7007025848)	1998	4
1421	Probabilistic object deputy model for uncertain data and lineage management	Wang, Liang (57075042000); Wang, Liwei (55721279700); Peng, Zhiyong (57208459725)	2017	4
1422	Mining range associations for classification and characterization	Shao, Jianhua (35735031700); Tziatzios, Achilleas (34977839900)	2018	4
1423	Semantic interpretation of a database query language	Mueckstein, Eva M. (6507041522); Moerdler, Galina Datskovsky (24762959500)	1985	4
1424	UDH: A universal relation system	Leymann, Frank (6603379902)	1990	4
1425	Linking linguistic and non-linguistic information	Gerstl, Peter (6602919236)	1992	4
1426	A similarity-based framework for service repository integration	Narducci, Fedelucio (35107856400); Comerio, Marco (22949998900); Batini, Carlo (7006303555); Castelli, Marco (56470384100)	2016	4
1427	A representation construct for roles	Reimer, Ulrich (6604040966)	1985	4
1428	Indexing XML documents for XPath query processing in external memory	Chen, Qun (57198482723); Lim, Andrew (7202659054); Ong, Kian Win (13614256200); Tang, Jiqing (57207486665)	2006	4
1429	Star join revisited: Performance internals for cluster architectures	Aguilar-Saborit, Josep (8905991000); Muntés-Mulero, Victor (8905990700); Zuzarte, Calisto (6602651981); Larriba-Pey, Josep-L. (6603588897)	2007	4
1430	A new approach on indexing mobile objects on the plane	Sioutas, S. (16550651500); Tsakalidis, K. (23390884800); Tsihlias, K. (6602565703); Makris, C. (7004435746); Manolopoulos, Y. (54397260800)	2008	4
1431	An object-oriented operation-based approach to translation between MOF metamodels	Raventós, Ruth (23088796200); Olivé, Antoni (7005738744)	2008	4

1432	Monitoring best region in spatial data streams in road networks	Chen, Zijun (7409488659); Yuan, Qin (57207944403); Liu, Wenyuan (36072032200)	2019	4
1433	Knowledge management in deductive object bases	Sheu, P.C-Y. (35502789800); Sull, W. (16198926100)	1990	4
1434	Towards a temporal coherence management in real-time knowledge-based systems	Botti, V. (35567102400); Barber, F. (7005537787); Crespo, A. (57189591132)	1998	4
1435	Mining effective multi-segment sliding window for pathogen incidence rate prediction	Duan, Lei (26636918600); Tang, Changjie (56229620100); Li, Xiaosong (55256696500); Dong, Guozhu (7201472423); Wang, Xianming (55754088700); Zuo, Jie (8689531500); Jiang, Min (57688011000); Li, Zhongqi (55753996100); Zhang, Yongqing (34871194100)	2013	4
1436	Cardinality constraints and functional dependencies over possibilistic data	Roblot, Tania (42862338300); Link, Sebastian (57216140462)	2018	4
1437	Towards a formal semantics and inference rules for conceptual data models	Eick, Christoph F. (7004065757); Raupp, Thomas (6504655189)	1991	4
1438	Consistency of the static and dynamic components of object-oriented specifications	Formica, Anna (7003968616); Frank, Heinz (57197129835)	2002	4
1439	Location disclosure risks of releasing trajectory distances	Kaplan, Emre (25926427000); Gürsoy, Mehmet Emre (56888513800); Nergiz, Mehmet Ercan (21741299700); Saygin, Yücel (6603336081)	2018	4
1440	SubspaceDB: In-database subspace clustering for analytical query processing	Harikumar, Sandhya (57218869504); Kaimal, M.R. (6603335048)	2019	4
1441	Faster joins, self-joins and multi-way joins using join indices	Lei, Hui (7202480604); Ross, Kenneth A. (7202122832)	1998	4
1442	Optimizing temporal queries: Efficient handling of duplicates	Bowman, Ivan T. (7006355200); Toman, David (6701332309)	2003	4
1443	Enabling structural summaries for efficient update and workload adaptation	Chen, Qun (23479572200); Lim, Andrew (7202659054); Ong, Kian Win (13614256200)	2008	4
1444	General representational automata using deep neural networks	C.I., Johnpaul (57091714900); Prasad, Munaga V.N.K. (22980833000); Nickolas, S. (15069614500); Gangadharan, G.R. (12783306400)	2019	4
1445	Towards generating a data integrity standard	Zviran, Moshe (6701803015); Glezer, Chanan (6602950422)	2000	4
1446	Real-time update of access control policies	Ray, Indrakshi (58830606300)	2004	4
1447	Improving estimation accuracy of aggregate queries on data cubes	Pourabbas, E. (23089052800); Shoshani, A. (6701859120)	2010	4
1448	ROVER: Flexible yet consistent evolution of relationships	Claypool, Kajal T. (8977043400); Rundensteiner, Elke A. (7005195084); Heineman, George T. (6602553765)	2001	4
1449	Merging news reports that describe events	Hunter, Anthony (7402779550); Summerton, Rupert (6506611996)	2006	4
1450	Assigning semantics to partial tree-pattern queries	Theodoratos, Dimitri (8410092800); Wu, Xiaoying (55715037800)	2008	4
1451	Rule allocation in distributed deductive database systems	Mohania, Mukesh K. (57191242897); Sarda, N.L. (7007127513)	1994	4
1452	Estimating the quality of answers when querying over description logic ontologies	Peim, Martin (6506125726); Franconi, Enrico (7003546960); Paton, Norman W. (7101820325)	2003	4
1453	An evaluation of commercial expert system building tools	Wall, Rajendra S. (7201619369); Apon, Amy W. (6603631153); Beal, Jennifer (7102757379); Gately, Michael T. (7006915068); Oren, Lamott G. (6507649058)	1985	4
1454	Coping with indefinite and negative data in deductive databases: A survey	Chisholm, P. (7004302400); Chen, G. (7406540569); Ferbrache, D.	1987	4

		(6507661203); Thanisch, P. (6602543167); Williams, M.H. (55475102300)		
1455	Querying relational databases through XSLT	Liu, Jixue (8416110900); Vincent, Millist (7402055070)	2004	4
1456	REERM: Reenhancing the entity-relationship model	González Jiménez, Luis (36916621100)	2006	4
1457	Formalizing visibility characteristics in hierarchical systems	Biswas, Debmalaya (56212460200); Vidyasankar, Krishnamurthy (6701472096)	2009	4
1458	Enterprise modeling for database specification and design	Sen, A. (8201466700); Kerschberg, L. (7003312426)	1987	4
1459	Security in Cyberspace: A knowledge-base approach	Van De Riet, Reind P. (7004354500); Junk, Andrea (6602182105); Gudes, Ehud (7003552107)	1997	4
1460	A generalised temporal algebra	Garani, Georgia (14060014900)	2006	4
1461	A log-linear approach to mining significant graph-relational patterns	Besemann, Christopher A. (12241510900); Wu, Jianfei (56093689300); Denton, Anne M. (7004860201)	2011	4
1462	Database design with user-definable modelling concepts	Lockemann, Peter C. (6604054564); Moerkotte, Guido (6701384201); Neufeld, Andrea (7005648302); Radermacher, Klaus (54399241500); Runge, Norbert (16465359100)	1993	4
1463	Multiple zooming in geographic maps	Frigioni, Daniele (6701458856); Tarantino, Laura (7007062788)	2003	4
1464	Dealing with semantic heterogeneity for improving Web usage	Buccafurri, F. (6701671870); Lax, G. (6505918243); Rosaci, D. (6602171057); Ursino, D. (7004353802)	2006	4
1465	A methodology and tool for top-down relational database design	Rishe, Naphtali (7003524019)	1993	4
1466	Merging graph-based and rule-based computation: The language G-Log	Paredaens, J. (7003867115); Peelman, P. (6602758740); Tanca, L. (57204257247)	1998	4
1467	HW-STALKER: A machine learning-based system for transforming QURE-Pagelets to XML	Kovalev, Vladimir (8840448800); Bhowmick, Sourav S. (7006796096); Madria, Sanjay (55665770900)	2005	4
1468	Formalization of communication and behaviour in object-oriented analysis	Hubbers, Jan-Willem G.M. (6508369028); Ter Hofstede, Arthur H.M. (7004086310)	1997	4
1469	An efficient dynamic switching algorithm for mining colossal closed itemsets from high dimensional datasets	Vanahalli, Manjunath K. (57194006513); Patil, Nagamma (56539395200)	2019	4
1470	An effective High Recall Retrieval method	Song, Justin JongSu (37102738300); Lee, Wookey (8951324300); Afshar, Jafar (56047438200)	2019	4
1471	Mo.Re.Farming: A hybrid architecture for tactical and strategic precision agriculture	Gallinucci, Enrico (55949131000); Golfarelli, Matteo (6602888121); Rizzi, Stefano (7005314544)	2020	4
1472	Dynamic monitoring of software use with recurrent neural networks	Adam, Chloé (57193616288); Aliotti, Antoine (14015245500); Malliaros, Fragkiskos D. (55604732900); Cournède, Paul-Henry (15047661000)	2020	4
1473	A profile-aware methodological framework for collaborative multidimensional modeling	Sakka, Amir (57204175042); Bimonte, Sandro (15074087900); Rizzi, Stefano (7005314544); Sautot, Lucile (56326932800); Pinet, François (8960254300); Bertolotto, Michela (8980992900); Besnard, Aurélien (57204181770); Rouillier, Noura (57221842231)	2021	4
1474	TopicBank: Collection of coherent topics using multiple model training with their further use for topic model validation	Alekseev, Vasiliy (57203321204); Egorov, Evgeny (57215659021); Vorontsov, Konstantin (6507982932); Goncharov, Alexey (57193084152); Nurumov, Kaidar (57264987100); Buldybayev, Timur (57217094144)	2021	4

1475	A workload-driven method for designing aggregate-oriented NoSQL databases	Chen, Liu (56416844200); Davoudian, Ali (56115123100); Liu, Mengchi (8675306600)	2022	4
1476	Towards a better identification of Bitcoin actors by supervised learning	Ramos Tubino, Rafael (57949194000); Robardet, Céline (6507714576); Cazabet, Rémy (36634100600)	2022	4
1477	Architecture for ontology-supported multi-context reasoning systems	LeClair, Andrew (57189469825); Jaskolka, Jason (26648233700); MacCaull, Wendy (6602952384); Khedri, Ridha (8311727100)	2022	4
1478	On efficient top-k transaction path query processing in blockchain database	Hao, Kun (57205914652); Xin, Junchang (23399268700); Wang, Zhiqiong (25522764100); Yao, Zhongming (57486753800); Wang, Guoren (8593737100)	2022	4
1479	Finding Internet of Things resources: A state-of-the-art study	Zorgati, Hela (54392027300); Djemaa, Raoudha Ben (25823067800); Amor, Ikram Amous Ben (8397300300)	2022	4
1480	Selecting databases for Polyglot Persistence applications	Roy-Hubara, Noa (57200003534); Shoval, Peretz (7003776458); Sturm, Arnon (13806876400)	2022	4
1481	An extended taxonomy of advanced information visualization and interaction in conceptual modeling	Bork, Dominik (56202518300); De Carlo, Giuliano (57960863500)	2023	4
1482	An enhanced attentive implicit relation embedding for social recommendation	Ma, Xintao (57220088275); Dong, Liyan (55661912600); Wang, Yuequn (57203770378); Li, Yongli (57189266601); Liu, Zhen (56724824900); Zhang, Hao (57207486027)	2023	4
1483	A constructive deep convolutional network model for analyzing video-to-image sequences	Kumar, Guntupalli Manoj (57211392718); Pandian, A. (57224737974)	2023	4
1484	Optimized deep learning-based prediction model for chiller performance prediction	Sathesh, Tamilarasan (57205098740); Shih, Yang-Cheng (7202751081)	2023	4
1485	ISO/IEC 25012-based methodology for managing data quality requirements in the development of information systems: Towards Data Quality by Design	Guerra-García, César (35787858200); Nikiforova, Anastasija (57204202481); Jiménez, Samantha (55933652400); Perez-Gonzalez, Héctor G. (25925251900); Ramírez-Torres, Marco (55798767600); Ontañón-García, Luis (55619936100)	2023	4
1486	Multi-Layer Hybrid (MLH) balancing technique: A combined approach to remove data imbalance	Islam, Muhammad Tanveer (57216691608); Mustafa, Hossen A. (58254375500)	2023	4
1487	Deep hyper optimization approach for disease classification using artificial intelligence	Dhivya, P. (56448997200); Bazilabanu, A. (57226865937)	2023	4
1488	Issues in inter-organizational data sharing: Findings from practice and research challenges	Jussen, Ilka (57737827000); Möller, Frederik (57202583008); Schweihoff, Julia (57925689300); Gieß, Anna (58850145300); Giussani, Giulia (58850112300); Otto, Boris (26424790800)	2024	4
1489	Introductory notes to the special issue on advances in online analytical processing	Hammer, Joachim (7201624088)	2003	3
1490	An overview of the Applications of Natural Language to Information Systems	Martinez-Barco, Patricio (8927588100); Métails, Elisabeth (55871602600); Llopis, Fernando (8943696700); Moreda, Paloma (55967519800)	2013	3
1491	Some issues in privacy data management	Mohania, Mukesh (57191242897); Ananthanarayanan, Rema (6508304089); Gupta, Ajay (57206837506)	2007	3
1492	A multicriteria recommendation method for data with missing rating scores	Takasu, Atsuhiko (7005461524)	2011	3
1493	Evaluating the influence of parameter values on the performance of random	Padmaja, D. Lakshmi (57190581807); Vishnuvardhan, B. (35794098000)	2018	3

	subset feature selection algorithm on scientific data			
1494	On the transformation of sentences with genitive relations to SQL queries	Kardkovács, Zsolt T. (8881974300); Tikk, Domonkos (6701662909)	2007	3
1495	Wrappers - A mechanism to support state-based authorisation in Web applications	Olivier, M.S. (7101741068); Gudes, Ehud (7003552107)	2002	3
1496	An empirical study on selective partitioning dimensions for partition-based similarity joins	Shin, Hyoseop (7404011848)	2007	3
1497	NALDO: From natural language definitions to OWL expressions	Kacfah Emani, Cheikh (56208905100); Ferreira Da Silva, Catarina (15032654800); Fiès, B. (6507007187); Ghodous, Parisa (6603661157)	2019	3
1498	Detecting implicit expressions of affect in text using EmotiNet and its extensions	Balahur, Alexandra (24474336500); Hermida, Jesús M. (36241646600); Montoyo, Andrés (8921219600); Muñoz, Rafael (7202035977)	2013	3
1499	The complexity of model checking for propositional default logics	Liberatore, Paolo (6604064307); Schaerf, Marco (6701771330)	2005	3
1500	Utilizing hierarchical feature domain values for prediction	Han, Yiqiu (7404096514); Lam, Wai (57203073460)	2007	3
1501	Semantic verb classes and lexical conceptual structures for enhancing the conceptual modelling and the access to databases	Saint-Dizier, Patrick (6602956095)	1997	3
1502	Approximate and selective reasoning on knowledge graphs: A distributional semantics approach	Freitas, André (36631806600); Da Silva, João C.P. (24830066700); Curry, Edward (12790805000); Buitelaar, Paul (14041096000)	2015	3
1503	A relational language with deductions, functions and recursions	Misbah Deen, S. (24763140300)	1985	3
1504	Supporting update propagation in object-oriented databases	Liu, Chengfei (8843986000); Li, Hui (15034588600); Orłowska, Maria E. (7004285631)	1998	3
1505	On utilizing variables for specifying FDs in data-centric XML documents	Mok, Wai Yin (7005237938)	2007	3
1506	A concurrently updatable index structure for predicted paths of moving objects	Schmiegelt, Philip (36701943500); Behrend, Andreas (22333590700); Seeger, Bernhard (7004609788); Koch, Wolfgang (55489688400)	2014	3
1507	Bounding the computation time of forward-chaining rule-based systems	Tomsovic, Kevin (7004172431); Liu, Chen-Ching (25927307000)	1993	3
1508	The operational semantics of user-defined relationships in object oriented database systems	Díaz, Oscar (35609868700)	1995	3
1509	LCA-based algorithms for efficiently processing multiple keyword queries over XML streams	Barros, Evandrino G. (25722487100); Laender, Alberto H.F. (6701595293); Moro, Mirella M. (7102336257); Da Silva, Altigran S. (7402942666)	2016	3
1510	Generating efficient safe query plans for probabilistic databases	Qin, Biao (23390191800); Xia, Yuni (8557162400)	2008	3
1511	Noise-tolerance feasibility for restricted-domain Information Retrieval systems	Vila, Katia (35098038400); Fernández, Antonio (57220886450); Gómez, José M. (57213023263); Ferrández, Antonio (22733498300); Díaz, Josval (36245099400)	2013	3
1512	Some aspects of a physical database design and reorganisation tool (PDRT)	Stewart, P.M. (7403039631); Bell, D.A. (7403647662); McErlean, F.J. (6602323331)	1989	3
1513	A shortest path algorithm to find minimal deduction graphs	Horng, Wen-Bing (6701878669); Yang, Chao-Chih (7407030434)	1991	3
1514	ER isomorphisms and uniqueness conditions	Knapp, John L. (7201886609)	1998	3
1515	Deciding LTL over Mazurkiewicz traces	Bollig, Benedikt (14033772100); Leucker, Martin (57190071155)	2003	3

1516	Supporting knowledge discovery for biodiversity	Vilares, Manuel (6603638854); Fernández, Milagros (57199901492); Blanco, Adrián (8653328100)	2015	3
1517	Improving conceptual data models through iterative development	Zäschke, Tilmann (36624631700); Leone, Stefania (36608436300); Gmünder, Tobias (56038849300); Norrie, Moira C. (7003525935)	2015	3
1518	Time-aware spatial keyword cover query	Chen, Z. (7409488659); Zhao, Tingting (57209244454); Liu, Wenyan (36072032200)	2019	3
1519	Efficient incremental update and querying in AWETO RDF storage system	Pu, Xu (36987085200); Wang, Jianyong (57208873256); Song, Zhenhua (55983329600); Luo, Ping (55705279000); Wang, Min (55553730513)	2014	3
1520	QoS-oriented negotiation in disk subsystems	Stoupa, Konstantina (8274890900); Vakali, Athena (6701925503)	2006	3
1521	Extracting k most important groups from data efficiently	Yiu, Man Lung (8589889600); Mamoulis, Nikos (6701782749); Hristidis, Vagelis (6507537461)	2008	3
1522	A hybrid logic for XML reference constraints	Combi, Carlo (7003413825); Masini, Andrea (7005221193); Oliboni, Barbara (6507489888); Zorzi, Margherita (24734296500)	2018	3
1523	Generalized comparison of linear representations of thematic layers	Manolopoulos, Y. (54397260800); Nardelli, E. (7006777772); Proietti, G. (7003361117); Tousidou, E. (6507029315)	2001	3
1524	Bounding the cardinality of aggregate views through domain-derived constraints	Ciaccia, Paolo (7003910715); Golfarelli, Matteo (6602888121); Rizzi, Stefano (7005314544)	2003	3
1525	IMPACT: A twin-index framework for efficient moving object query processing	Cui, Bin (57211734542); Lin, Dan (26643126400); Tan, Kian-Lee (7403999714)	2006	3
1526	Value and the information market	van Bommel, P. (8071997500); van Gils, B. (8071997200); Proper, H.A. (6701750449); van Vliet, M. (57197196985); van der Weide, Th.P. (6701347928)	2007	3
1527	Narrative-based taxonomy distillation for effective indexing of text collections	Cataldi, Mario (24474191100); Candan, K. Selçuk (7003683729); Sapino, Maria Luisa (6602828043)	2012	3
1528	AuMixDw: Towards an automated hybrid approach for building XML data warehouses	Ouaret, Zoubir (56082452000); Boukraa, Doukifli (36623427600); Boussaid, Omar (8383254700); Chalal, Rachid (23392117700)	2019	3
1529	The semantics of an extended referential integrity for a multilevel secure relational data model	Lee, Sang-Won (57733350100); Kim, Yong-Han (56066826900); Kim, Hyoung-Joo (55658013300)	2004	3
1530	Evaluating violations of expectations to find exceptional information	Byrne, Emma (56223447600); Hunter, Anthony (7402779550)	2005	3
1531	Location-dependent spatial query containment	Lee, Ken C.K. (7501507956); Unger, Brandon (34881173900); Zheng, Baihua (7201781454); Lee, Wang-Chien (7407085251)	2011	3
1532	EFTA: a database retrieval algebra for feature-terms	Ludwig, Thomas (57203082963); Walter, Bernd (56498622200)	1991	3
1533	A measure of semantic relatedness for resolving ambiguities in natural language database requests	Johnson, Julia A. (55494673200); Rosenberg, Richard S. (7402295106)	1992	3
1534	Nearest neighbor query processing using the network voronoi diagram	Wang, Mei-Tzu (16240475000)	2016	3
1535	Unifying data, behaviours, and messages in object-oriented databases	Osborn, Sylvia L. (7005114002); Yu, Li (55249018700)	1996	3
1536	A basic calculus for verifying properties of interacting objects	Conrad, Stefan (7102956675)	1996	3
1537	Satisficing in knowledge-based systems	Mazlack, Lawrence J. (7003993215)	1990	3

1538	Design and implementation of Chimera active rule language	Guerrini, Giovanna (7003908669); Montesi, Danilo (6701520375)	1997	3
1539	Metaknowledge-based intelligent routing system (MIRS)	Giladi, Ran (6701436436); Glezer, Chanan (6602950422); Melamoud, Nir (6504570971); Ein-Dor, Phillip (6701766353); Etzion, Opher (6701419976)	2000	3
1540	FCLOS: A client-server architecture for mobile OLAP	Michalarias, Ilias (6506730607); Omelchenko, Arkadiy (57197976531); Lenz, Hans-J. (8874744800)	2009	3
1541	On multi-type reverse nearest neighbor search	Ma, Xiaobin (55490736900); Zhang, Chengyang (24067908400); Shekhar, Shashi (35513450400); Huang, Yan (57201486054); Xiong, Hui (7201935465)	2011	3
1542	Multiversion views: Constructing views in a multiversion database	Medeiros, Claudia Bauzer (7004937811); Bellosta, Marie-Jo (35552154900); Jomier, Geneviève (6602322466)	2000	3
1543	Mapping between a NIAM conceptual schema and KEE frames	Twine, Steven (24761214200)	1989	3
1544	A general strategy for decomposing topological invariants of spatial databases and an application	Cicerone, Serafino (6701490030); Frigioni, Daniele (6701458856); Di Felice, Paolino (35613348600)	2002	3
1545	Joining distributed complex objects: Definition and performance	Teeuw, Wouter B. (6602746500); Blanken, Henk M. (6701673202)	1992	3
1546	The E/S knowledge representation system	Bergamaschi, Sonia (7006782238); Lodi, Stefano (7004110447); Sartori, Claudio (7005231097)	1994	3
1547	An entity-based approach to query processing in relational databases. Part II: Entity query construction and updating	Järvelin, Kalervo (7003932928); Niemi, Timo (58407552100)	1993	3
1548	Incoherence and subsumption for recursive views and queries in object-oriented data models	Beneventano, Domenico (6602697666); Bergamaschi, Sonia (7006782238)	1997	3
1549	A modular approach to user-defined symbolic periodicities	Egidi, Lavinia (55885071700); Terenziani, Paolo (7003283792)	2008	3
1550	Semantic integrity constraints in knowledge-based database design systems	Storey, Veda C. (7003462863); Yang, Heng-Li (7406559548); Goldstein, Robert C. (57190042423)	1996	3
1551	Online density estimation over high-dimensional stationary and non-stationary data streams	Majdara, Aref (23980333700); Nooshabadi, Saeid (6602486254)	2019	3
1552	Learning soft domain constraints in a factor graph model for template-based information extraction	ter Horst, Hendrik (57194615264); Hartung, Matthias (24724078500); Cimiano, Philipp (15838793700); Brazda, Nicole (25930284100); Müller, Hans Werner (35598479600); Klinger, Roman (23134979000)	2020	3
1553	Guest Editorial—DaWaK 2018 Special Issue—Trends in Big Data Analytics	Ordonez, Carlos (57203051107); Bellatreche, Ladjel (15073752300)	2020	3
1554	A hierarchical graph-based model for mobility data representation and analysis	Elayam, Maryam Maslek (57841705800); Ray, Cyril (7201797843); Claramunt, Christophe (56054279900)	2022	3
1555	Location-privacy preserving partial nearby friends querying in urban areas	Abul, Osman (6602597612)	2022	3
1556	Model-based valuation of smart grid initiatives: Foundations, open issues, requirements, and a research outlook	de Kinderen, Sybren (24400536400); Kaczmarek-Heß, Monika (57220155541); Ma, Qin (35269608800); Razo-Zapata, Iván S. (35103216200)	2022	3
1557	PROADAPT: Proactive framework for adaptive partitioning for big data warehouses	Benkrid, Soumia (25926894700); Bellatreche, Ladjel (15073752300); Mestoui, Yacine (57222726415); Ordonez, Carlos (57203051107)	2022	3
1558	French translation of a dialogue dataset and text-based emotion detection	Genest, Pierre-Yves (57946118100); Goix, Laurent-Walter (58546612800); Khalafaoui, Yasser (57953140200);	2022	3

		Egyed-Zsigmond, Előd (6507695476); Grozavu, Nistor (35145763700)		
1559	Classifying encyclopedia articles: Comparing machine and deep learning methods and exploring their predictions	Brenon, Alice (57215342853); Moncla, Ludovic (56491008900); McDonough, Katherine (57200159157)	2022	3
1560	Similarity matrix enhanced collaborative filtering for e-government recommendation	Sun, Ninghua (57385763600); Luo, Qiangqiang (57435464100); Ran, Longya (57384615100); Jia, Peng (59121566600)	2023	3
1561	Automated sentimental analysis using heuristic-based CNN-BiLSTM for E-commerce dataset	Ramshankar, N. (57999272700); Joe Prathap, P.M. (25824311200)	2023	3
1562	Evaluating the intelligence capability of smart homes: A conceptual modeling approach	Wu, Di (57211244078); Feng, Weite (57222166095); Li, Tong (56226319700); Yang, Zhen (57193159652)	2023	3
1563	Effective healthcare service recommendation with network representation learning: A recursive neural network approach	Ayadi, Mouhamed Gaith (57189028782); Mezni, Haithem (11141925700); Alnashwan, Rana (57193272645); Elmannai, Hela (55366208300)	2023	3
1564	A design of movie script generation based on natural language processing by optimized ensemble deep learning with heuristic algorithm	Dharaniya, R. (57195491609); Indumathi, J. (23091028600); Kaliraj, V. (57718580800)	2023	3
1565	An empirical evaluation of scrum training's suitability for the model-driven development of knowledge-intensive software systems	Shafiee, Sara (56492736800); Wautelet, Yves (24605650900); Poelmans, Stephan (6603592997); Heng, Samedi (55303451500)	2023	3
1566	An effective and secured authentication and sharing of data with dynamic groups in cloud	Sudarsa, Dorababu (57206696563); A., Nagaraja Rao (58044972600); Sivakumar, A.P. (57214500171)	2023	3
1567	A novel approach for Credit-Based Resource Aware Load Balancing algorithm (CB-RALB-SA) for scheduling jobs in cloud computing	Narwal, Abhikriti (57202692509); Dhingra, Sunita (57202681071)	2023	3
1568	Optimized speaker change detection approach for speaker segmentation towards speaker diarization based on deep learning	VijayKumar, K. (57740480600); Rajeswara Rao, R. (58031800400)	2023	3
1569	Interactive collaborative exploration using incomplete contexts	Felde, Maximilian (57209748582); Stumme, Gerd (6701855652)	2023	3
1570	Blockchain-based ontology driven reference framework for security risk management	Iqbal, Mubashar (57198833089); Kormiltsyn, Aleksandr (57197751723); Dwivedi, Vimal (57205883053); Matulevičius, Raimundas (6507155888)	2024	3
1571	Hierarchical framework for interpretable and specialized deep reinforcement learning-based predictive maintenance	Abbas, Ammar N. (57214515882); Chasparis, Georgios C. (8204597900); Kelleher, John D. (14035902400)	2024	3
1572	Pushing artificial intelligence in database and data warehouse systems	Cuzzocrea, Alfredo (23388216900)	2011	2
1573	Data warehousing	Kumar Madria, Sanjay (55665770900)	2001	2
1574	Advances on natural language processing	Muñoz, R. (7202035977); Montoyo, A. (8921219600)	2007	2
1575	Multi-level continuous skyline queries (MCSQ)	El-Dawy, Eman (54083053300); Mokhtar, Hoda M. O. (36775353700); El-Bastawissy, Ali (57213041931)	2011	2
1576	Meta-model based knowledge discovery	Girardi, Dominic (54083103000); Dirnberger, Johannes (6506606260); Girtzlehner, Michael (8424325000)	2011	2
1577	PDSS: A programmer's decision support system	Harrison, Warren (56265344800)	1989	2
1578	Impossibility of unconditionally secure scalar products	Pedersen, Thomas B. (35747042200); Savaş, Erkan (13408788600)	2009	2
1579	Issues in relational database performance (invited paper ISDBMS)	Bell, David A. (7403647662)	1988	2
1580	ConsDiff: An algorithm for the detection of conserved differences between protein sequences	Mehta, Saumil (7401670826); Dinakarpandian, Deendayal (6602266666)	2005	2

1581	Disclosure risk reduction for generalized linear model output in a remote analysis system	Khan, Atikur R. (57189063760); O'Keefe, Christine M. (7004748653)	2017	2
1582	A formal characterization of SI-based ROWA replication protocols	Armendáriz-Iñigo, J.E. (8916281700); Juárez-Rodríguez, J.R. (15123848500); González De Mendiivil, J.R. (6603125131); Garitagoitia, J.R. (6603110840); Irún-Briz, L. (6505823590); Muñoz-Escóí, F.D. (6507651986)	2011	2
1583	An approach to website schema.org design	Tort, Albert (35724404600); Olivé, Antoni (7005738744)	2015	2
1584	A cost-effective solution for blog search	Chen, Lin-Chih (36008155000)	2018	2
1585	Detecting measurement issues in SQL arithmetic expressions and aggregations	Thanisch, P. (6602543167); Niemi, T. (57215042589); Nummenmaa, J. (6507393852); Niinimäki, M. (6602319318)	2019	2
1586	An approximate user-complexity measure for relational query language systems	Hansen, Gary W. (7202191456); Hansen, James V. (7404334346)	1991	2
1587	An adaptive split policy for the Time Split B-Tree	Amadesi, Laura (6506457785); Grandi, Fabio (7004017968)	1999	2
1588	Adjusting the τ -argus modular approach to deal with linked tables	de Wolf, Peter-Paul (35261849200); Giessing, Sarah (22334064200)	2009	2
1589	Constructing faceted taxonomy for heterogeneous entities based on object properties in linked data	Zong, Nansu (55205153900); Kim, Hong-Gee (23389443700); Nam, Sejin (55561208600)	2017	2
1590	Relational theory of queries	Steiner, Juraj (16228478400)	1988	2
1591	Handling indefinite and negative data in a deductive database	Johnson, C.A. (55636318978)	1991	2
1592	Efficient data retrieval and manipulation using Boolean entity lattice	Yang, Anyuan (7203072312); Chen, Peter P. (8863738300)	1996	2
1593	Sentence identification of biological interactions using PATRICIA tree generated patterns and genetic algorithm optimized parameters	Liu, Haibin (55277529000); Blouin, Christian (6603924963); Kešelj, Vlado (6507196408)	2010	2
1594	A novel representation in three-dimensions for high dimensional data sets	Luo, Jianfeng (57203002769); Yan, Haifeng (57203005159); Yuan, Yubo (8886515100)	2018	2
1595	Expert system assisted test data generation for software branch coverage	Cross II, James H. (35411606800); Chang, Kai-Hsiung (57143205300); Homer Carlisle, W. (24755533900); Brown, David B. (56898131900)	1991	2
1596	Enabling access-privacy for random walk based data analysis applications	Lin, Ping (37022487600); Candan, K. Selçuk (7003683729)	2007	2
1597	Histogram-by: A grouping operator for continuous domains	Hong, Seokjin (56161269200); Bae, Jinuk (8652609600); Lee, Taewon (5612223000); Lee, Sukho (56967677500)	2007	2
1598	Reducing the bottleneck of graph-based data mining by improving the efficiency of labeled graph isomorphism testing	Hsieh, Shu-Ming (56250137800); Hsu, Chiun-Chieh (34879866400); Ti, Yen-Wu (15045861100); Kuo, Chi-Jung (26660209100)	2014	2
1599	ZNS - Efficient query processing with ZurichNoSQL	Stockinger, Kurt (6603748288); Bödi, Richard (57213776261); Heitz, Jonas (57196001677); Weinmann, Thomas (57195995899)	2017	2
1600	Mining incoherent requirements in technical specifications: Analysis and implementation	Saint-Dizier, Patrick (6602956095)	2018	2
1601	Algorithm for maintaining working memory consistency in multiple rule firing systems	Perraju, Tolety Siva (6507581969); Prasad, Bandreddi E. (7202312540)	2000	2
1602	A parametric linguistics based approach for cross-lingual web querying	Kapetanios, Epaminondas (6603546263); Sugumaran, Vijayan (57210215570); Tanase, Diana (36855428100)	2008	2

1603	Diamond dicing	Webb, Hazel (27068095200); Lemire, Daniel (10238969400); Kaser, Owen (57207523414)	2013	2
1604	Investigation design: The structural elements of knowledge-seeking efforts	Weaver, Bryan (57205360085); Pfoser, Dieter (6602917208)	2019	2
1605	Design and simulation of a parallel inference machine architecture for rule based systems	Basu, Anupam (7402166595); Nayak, Tapas K. (58320067200); Mukherjee, Sarit (57198769127)	1989	2
1606	A system for text analysis and lexical knowledge acquisition	Antonaci, F. (24759837000); Russo, M. (57198183277); Pazienza, M.T. (6601962939); Velardi, P. (6602082790)	1989	2
1607	Query processing for complex objects	Härder, T. (7102369185); Mitschang, B. (6603701448); Schöning, H. (6602826461)	1992	2
1608	Design and implementation of the E-referencer	Poo, Danny C.C. (55227261000); Toh, Teck-Kang (7004170340); Khoo, Christopher S.G. (7006035319)	2000	2
1609	A self-adaptable scheduler for synchronizing transactions in dynamically configurable environments	Holanda, Maristela (6601959236); Brayner, Angelo (22733268800); Fialho, Sergio (24375989600)	2008	2
1610	On the feasibility of using conceptual modeling constructs for the design and analysis of XML data	Sengupta, Arijit (57191773280)	2012	2
1611	A formal model of trade-off between optimization and execution costs in semantic query optimization	Shekhar, Shashi (35513450400); Srivastava, Jaideep (7102866191); Dutta, Soumitra (7402667089)	1992	2
1612	Compact sparse matrix representation using random hash functions	Jiang, Ji-Han (8520207700); Chang, Chin-Chen (13310363300); Chen, Tung-Shou (7405544554)	2000	2
1613	An efficient workload-based data layout scheme for multidimensional data	Zaman, Kazi A. (7006650275); Padmanabhan, Sriram (56477417000)	2001	2
1614	Indexing graph-structured XML data for efficient structural join operation	Chen, Qun (57198482723); Lim, Andrew (7202659054); Ong, Kian Win (13614256200); Tang, Ji Qing (57207486665)	2006	2
1615	Complex objects: Theory and practice from a data- and knowledge engineering perspective, as seen in and from Yellowstone Park	Van De Riet, R.P. (59019194400)	1998	2
1616	Faster joins, self-joins and multi-way joins using join indices	Lei, Hui (7202480604); Ross, Kenneth A. (7202122832)	1999	2
1617	Efficient repair of dimension hierarchies under inconsistent reclassification	Caniupán, Mónica (16041564300); Vaisman, Alejandro (7006229550); Arredondo, Raúl (56505296700)	2015	2
1618	A new notion of part structure for natural language	Moltmann, Friederike (8922886900)	1996	2
1619	Join and multi-join processing in data integration systems	Tan, Kian-Lee (7403999714); Kwang Eng, Pin (15741307100); Chin Ooi, Beng (55665418900); Zhang, Ming (56905011000)	2002	2
1620	A conceptual model for increasing utilization of dependable computer networks	Zviran, Moshe (6701803015); Ahituv, Niv (7003468531); Glezer, Chanan (6602950422)	2003	2
1621	DuoWave: Mitigating the curse of dimensionality for uncertain data	Ma, Chunyang (46061272500); Zhang, Rui (54947068500); Lin, Xuemin (55489766400); Chen, Gang (57114035800)	2012	2
1622	A knowledge-based approach to multiple query processing	Park, J.T. (15036173200); Teorey, T.J. (7004547221); Lafortune, S. (7005626833)	1989	2
1623	Analysis, comparison and design of role-based security specifications	Castano, Silvana (56267928600); Martella, Giancarlo (6603959096); Samarati, Pierangela (7003903487)	1996	2
1624	Towards a configurable security architecture	Olivier, Martin S. (7101741068)	2001	2
1625	The Merkurion approach for similarity searching optimization in Database Management Systems	Bedo, Marcos V.N. (55859965300); Kaster, Daniel S. (35105122700); Traina,	2018	2

		Agma J.M. (7003628271); Traina, Caetano (6701924244)		
1626	Optimizing entity join queries when data transmission cost dominates	Tsai, Pauray S.M. (7202064714); Chen, Arbee L.P. (55946026800)	1997	2
1627	Semantic schema refinements for multilevel schema integration	Santucci, Giuseppe (7004650028)	1998	2
1628	Knowledge-based spectroscopic assignment	Wang, Jin (15021626700); Nickerson, Bradford G. (35557141600); Lees, Ronald M. (7102271782); Xu, Li-Hong (35724980400)	2001	2
1629	Safety, domain independence and generalized quantification	Badia, Antonio (7005737420)	2001	2
1630	Role network model-based support for RESTful business processes	Xu, Xiwei (55706225900); Ye, Xin (53985770600); Zhu, Liming (7404202229); Lu, Qinghua (56431802100)	2014	2
1631	Handling inheritance in a system integrating logic in objects	Hatzilygeroudis, Ioannis (6603517779); Reichgelt, Han (6506720037)	1997	2
1632	Experimental study of semantics-based concurrency control protocols	Kwong Mak, Hang (6505631095); Hon Wong, Man (57204822140)	2000	2
1633	Nesting quantification in a visual data manipulation language	Miura, Takao (7402844736)	1994	2
1634	A technique for deriving hyponymies and overlappings from database schemes	Palopoli, L. (7004141918); Saccà, D. (7003509146); Terracina, G. (7003682146); Ursino, D. (7004353802)	2002	2
1635	Performance analysis of long-lived cooperative transactions in active DBMS	Kangsabanik, Prithwish (56635143900); Yadav, D.S. (58073865100); Mall, R. (7003484601); Majumdar, A.K. (8420948500)	2007	2
1636	An intensional semantics for a hybrid language	Cappelli, Amedeo (7006976283); Mazzeranghi, Daniele (6504670535)	1994	2
1637	Hierarchical data placement for navigational multimedia applications	Vakali, Athena (6701925503); Terzi, Evimaria (14025094000); Bertino, Elisa (7102307605); Elmagarmid, Ahmed (7005127921)	2003	2
1638	Encapsulation and information hiding as the keys to enhanced hypermedia development and maintenance	Lemahieu, Wilfried (56195858100)	2003	2
1639	Exploring generation of a genetic robot's personality through neural and evolutionary means	Lee, Kang-Hee (57192818177)	2011	2
1640	Dipe-R: A knowledge representation language	Van der Pol, Ruud (6602787828)	2003	2
1641	The future refereeing process in Cyberspace of the Data & Knowledge Engineering Journal: An attempt in guaranteeing security and privacy on three levels	Van De Riet, Reind P. (7004354500)	2004	2
1642	Semantic data modelling and visualization using Noetica	Greenhill, Stewart (6701541951); Venkatesh, Svetha (56204854900)	2000	2
1643	Easy definition of new facets in the frame-based language Objlog+	Faucher, Colette (55391207500)	2001	2
1644	XSnippets: Exploring semi-structured data via snippets	Naseriparsa, Mehdi (57196049606); Islam, Md. Saiful (55547121141); Liu, Chengfei (8843986000); Chen, Lu (56022184100)	2019	2
1645	Constructing a paraphrase database for agglutinative languages	Park, Hancheol (57054328500); Oh, Kyo-Joong (37662051500); Choi, Ho-Jin (35073646600); Gweon, Gahgene (13005227000)	2019	2
1646	Utilizing adjacency of colleagues and type correlations for enhanced link prediction	Jeong, Hyun Ji (55582446100); Kim, Myoung Ho (34975062900)	2020	2
1647	Managing polyglot systems metadata with hypergraphs	Hewasinghage, Moditha (57196052532); Abelló, Alberto (15073664800); Varga, Jovan (56347546200); Zimányi, Esteban (6603324026)	2021	2

1648	Matching and analysing conservation–restoration trajectories	Zreik, Alaa (57226320202); Kedad, Zoubida (6506690569)	2022	2
1649	An embedding driven approach to automatically detect identifiers and references in document stores	Souibgui, Manel (57212227616); Atigui, Faten (55328022200); Ben Yahia, Sadok (58346331000); Si-Said Cherfi, Samira (35609250700)	2022	2
1650	Integrated identity and access management metamodel and pattern system for secure enterprise architecture	Nahar, Kamrun (57213735857); Gill, Asif Qumer (53979600700)	2022	2
1651	Integrating Character-level and Word-level Representation for Affect in Arabic Tweets	Alharbi, Abdullah I. (57217703843); Smith, Phillip (57212190478); Lee, Mark (56143088500)	2022	2
1652	How to build data-driven Strategy Maps? A methodological framework proposition	Pirnay, Lhorie (57226106825); Burnay, Corentin (56183870800)	2022	2
1653	Ontologically correct taxonomies by construction	Batista, Jeferson O. (57226316655); Almeida, João Paulo A. (19933751900); Zambon, Eduardo (34977899100); Guizzardi, Giancarlo (16028392500)	2022	2
1654	Clustering sequence graphs	Zhong, Haodi (57213000705); Loukides, Grigorios (17435322900); Pissis, Solon P. (35180253600)	2022	2
1655	Graph data temporal evolutions: From conceptual modelling to implementation	Andriamampianina, Landy (57203481906); Ravat, Franck (6603741650); Song, Jiefu (56347104900); Vallès-Parlangeau, Nathalie (23399129400)	2022	2
1656	Modified Hierarchical-Attention Network model for legal judgment predictions	Sukanya, G. (58868320200); Priyadarshini, J. (57196411003)	2023	2
1657	An empiric validation of linguistic features in machine learning models for fake news detection	Puraivan, Eduardo (57205337937); Venegas, René (56249648800); Riquelme, Fabián (51061303600)	2023	2
1658	RINX: A system for information and knowledge extraction from resumes	Palshikar, Girish K. (55890466600); Pawar, Sachin (55654994400); Banerjee, Anindita Sinha (57696741100); Srivastava, Rajiv (55654759900); Ramrakhiyani, Nitin (56023779500); Patil, Sangameshwar (55545862803); Thosar, Devavrat (57219381148); Bhat, Jyoti (57696741200); Jain, Ankita (57467827900); Hingmire, Swapnil (55837533500); Chaurasia, Saheb (57201258789); Mandloi, Payodhi (57696741300); Chalavadi, Durgesh (58529164600)	2023	2
1659	A novel hybrid approach for text encoding: Cognitive Attention To Syntax model to detect online misinformation	Faye, Géraud (58632675000); Ouerdane, Wassila (23392961800); Gadek, Guillaume (57196024356); Gahbiche, Souhir (55079594600); Gatepaille, Sylvain (6507999666)	2023	2
1660	Mixed emotion extraction analysis and visualisation of social media text	Li, Yuming (57209344608); Chan, Johnny (57212241417); Peko, Gabrielle (37104947400); Sundaram, David (6602562990)	2023	2
1661	SimBio: Adopting Particle Swarm Optimization for ontology-based biomedical term similarity assessment	Babalou, Samira (56910310100); Algergawy, Alsayed (26029721900); König-Ries, Birgitta (55864942100)	2023	2
1662	Leveraging relevant summarized information and multi-layer classification to generalize the detection of misleading headlines	Sepúlveda-Torres, Robiert (57210133851); Vicente, Marta (57038141000); Saquete, Estela (6602658984); Lloret, Elena (25929448300); Palomar, Manuel (55664073900)	2023	2
1663	Process model forecasting and change exploration using time series analysis of event sequence data	De Smedt, Johannes (57110895800); Yeshchenko, Anton (57204500692); Polyvyanny, Artem (25654203000); De Weerd, Jochen (57204699051); Mendling, Jan (6503908779)	2023	2

1664	Designing NoSQL databases based on multiple requirement views	Roy-Hubara, Noa (57200003534); Sturm, Arnon (13806876400); Shoval, Peretz (7003776458)	2023	2
1665	Outranking Relations based Multi-criteria Recommender System for Analysis of Health Risk using Multi-objective Feature Selection Approach	Kuanr, Madhusree (57201671455); Mohapatra, Puspanjali (56692286400)	2023	2
1666	Event detection with multi-order edge-aware graph convolution networks	Wang, Jing (55961776900); Wang, Kexin (57729697500); Yao, Yong (36550854700); Zhao, Hui (55619298757)	2023	2
1667	Consolidating economic exchange ontologies for financial reporting standard setting	Blums, Ivars (57191341781); Weigand, Hans (7005150134)	2023	2
1668	An automated multi-web platform voting framework to predict misleading information proliferated during COVID-19 outbreak using ensemble method	Varshney, Deepika (57210204539); Vishwakarma, Dinesh Kumar (56711360100)	2023	2
1669	CALEB: A Conditional Adversarial Learning Framework to enhance bot detection	Dimitriadis, Ilias (57203387958); Dialektakis, George (57747397200); Vakali, Athena (6701925503)	2024	2
1670	The unresolved need for dependable guarantees on security, sovereignty, and trust in data ecosystems	Lohmöller, Johannes (57212227372); Pennekamp, Jan (57195223332); Matzutt, Roman (56975507800); Schneider, Carolin Victoria (57210444730); Vlad, Eduard (58450126500); Trautwein, Christian (7005071218); Wehrle, Klaus (56253795600)	2024	2
1671	Guest editorial: Business process management	Dumas, Marlon (7201354798); Reichert, Manfred (9734809800)	2009	1
1672	Data warehousing and OLAP (DOLAP'08)	Abello, Alberto (15073664800); Song, Il-Yeol (57742309500)	2010	1
1673	Linguistic Instruments in Knowledge engineering (LIKE)	van de Riet, Reind (7004354500)	1992	1
1674	Building web warehouse for semi-structured data	Mohania, Mukesh (57191242897)	2001	1
1675	Introduction to the special issue on Natural Language and Database and Information Systems: NLDB03	Düsterhöft, A. (6701437960); Thalheim, B. (6701407841)	2005	1
1676	Editorial: Advanced knowledge-based systems	Cuzzocrea, Alfredo (23388216900)	2010	1
1677	Special issue on contribution of ontologies in designing advanced information systems	Bellatreche, Ladjel (15073752300); Ameer, Yamine Ait (6602220813); Pierra, Guy (6602702764)	2010	1
1678	Dealing with domain knowledge in association rules mining - Several experiments	Rauch, Jan (7102683878); Šimůnek, Milan (6602774033)	2011	1
1679	SVM based approaches for classifying protein tertiary structures	Mirceva, Georgina (24544567500); Davcev, Danco (35615288000)	2011	1
1680	Relixpert - an expert system shell written in a database programming language	Merrett, T.H. (7004394440)	1991	1
1681	Five examples of web-services for illustrating requirements for security architecture	Addie, Ronald G. (6701565377); Moffatt, Sam (54179699700); Dekeyser, Stijn (6506719642); Colman, Alan (8730893600)	2011	1
1682	Inducing the contextual and prior polarity of nouns from the induced polarity preference of verbs	Klenner, Manfred (24765959900); Petrakis, Stefanos (35743689300)	2014	1
1683	A multi-threshold, internal rule representation form used to support user modifiable knowledge-based systems	Mazlack, Lawrence J. (7003993215); Bernstein, Jeffrey (37043136300); Kelley, David (36851367400); Vaughn, Greg (7006456511)	1985	1
1684	Automated prototyping and data translation	Luqi (36918885300)	1990	1
1685	Nonlinear pattern hypothesis generation for data mining	Wang, Shouhong (56520620500)	2002	1

1686	A network surveillance protocol for distributed database systems	Kim, Junguk L. (7601388752); Hernandez, Hector J. (7103252870)	1991	1
1687	Interval-based approach to lexicographic representation and compression of numeric data	Rishe, Naphtali (7003524019)	1992	1
1688	A bin-tree oriented iconic indexing scheme for retrieving symbolic pictures	Chang, Chin-Chen (13310363300); Lee, Chin-Feng (35196103500)	1998	1
1689	Domains of locality	Joshi, Aravind K. (7402452844)	2004	1
1690	How well does a vanilla loop fit into a frame?	Nebel, Bernhard (7003717286)	1985	1
1691	Specification of information systems operations in INFOMOD	Jardine, D.A. (7005932466); van Griethuysen, J.J. (6507361355)	1987	1
1692	Generation of natural language from information in a frame structure	Perkins, W.A. (7202932925)	1989	1
1693	A semiotic-inspired machine for personalized multi-criteria intelligent decision support	de Lima Neto, Fernando Buarque (21742253600); Lima Martins, Denis Mayr (57197127553); Vossen, Gottfried (7003639878)	2018	1
1694	Addition and removal of information for a knowledge base with incomplete information	Dignum, F. (7003423512); van de Riet, R.P. (59019194400)	1992	1
1695	Selection of object surrogates to support clustering	Teuhola, Jukka (6603711870)	1995	1
1696	Extending OMT to support bottom-up design modelling in a heterogeneous distributed database environment	Qutaishat, M.A. (6506232138); Fiddian, N.J. (7003843357); Gray, W.A. (59157686000)	1997	1
1697	CAT: A Cost-Aware Translator for SQL-query workflow to MapReduce jobflow	Song, Aibo (7102693460); Wu, Zhiang (12762140000); Ma, Xu (57077300700); Luo, Junzhou (7404182793)	2016	1
1698	Core discovery in hidden networks	Strouthopoulos, Panagiotis (57207623240); Papadopoulos, Apostolos N. (7101944599)	2019	1
1699	On interpreting and inferring propositional formulas of data dependencies in a relational database	Yang, Chao-Chih (7407030434)	1987	1
1700	Parallel algorithms for solving the satisfaction problem of functional and multivalued data dependencies	Yang, Chao-Chih (7407030434); Shen, Weicong (7403599391)	1989	1
1701	Supporting multiple isolation levels in replicated environments	Bernabé-Gisbert, Josep M. (23466551900); Muñoz-Escóí, Francesc D. (6507651986)	2012	1
1702	The representation of rules in the ER model	Monarchi, David E. (6602494101); Smith, James R. (57199013306)	1992	1
1703	Design and implementation of derivation rules in information systems	Winter, Robert (12753181200)	1998	1
1704	Tie-breaking strategies for fast distance join processing	Shin, Hyoseop (7404011848); Moon, Bongki (57203052982); Lee, Sukho (56967677500)	2002	1
1705	Classification of composite semantic relations by a distributional-relational model	Barzegar, Siamak (57194701229); Davis, Brian (57213738778); Handschuh, Siegfried (19638459800); Freitas, Andre (36631806600)	2018	1
1706	SUXESS: towards a sound unification of extensions of the relational data model	Vossen, Gottfried (7003639878); Witt, Kurt-Ulrich (7005842585)	1991	1
1707	Concurrency control in deductive databases and object bases	Yoo, Sanbong (57207122498); Yu, Minjae (7404272346); Sheu, P.C.-Y. (35502789800)	1992	1
1708	Masking page reference patterns in encryption databases on untrusted storage	Ma, Xi (36476631200); Pang, HweeHwa (7102237502); Tan, Kian-Lee (7403999714)	2006	1
1709	Bichromatic buckets: An effective technique to improve the accuracy of histograms for geographic data points	Mai, Hai Thanh (35148094700); Kim, Jaeho (57164671900); Kim, Myoung Ho (34975062900)	2013	1
1710	Fine-granularity signature caching in object database systems	Norvåg, Kjetil (6701624663)	2001	1

1711	On space constrained set selection problems	Palpanas, Themis (55888054500); Koudas, Nick (6603908248); Mendelzon, Alberto (7003482157)	2008	1
1712	Dynamic construction of signature files based on frame sliced approach	Im, Byoung-Mo (6701384081); Kim, Myoung Ho (34975062900); Yoo, Jae Soo (55663635400); Choi, Kil Seong (36985282400)	1999	1
1713	Wavelet transformation-based management of integrated summary data for distributed query processing	Joe, Moon Jeung (55838871200); Whang, Kyu-Young (7102248288); Kim, Sang-Wook (55933677600)	2001	1
1714	Consistent policy enforcement in distributed systems using mobile policies	Chapin, Susan (7003329940); Faatz, Don (7801378682); Jajodia, Sushil (26643360000); Fayad, Amgad (15826065500)	2002	1
1715	Secure partial encryption with adversarial functional dependency constraints in the database-as-a-service model	Dong, Boxiang (55813342900); Wang, Hui (Wendy) (34880986300)	2018	1
1716	Modeling application domains	Ketabchi, Mohammad (6701586431); Jambor-Sadeghi, Kamyar (6506200688)	1997	1
1717	Error minimization in approximate range aggregates	Lin, Xuemin (55489766400); Zhang, Qing (57192216081); Yuan, Yidong (9735591700); Liu, Qing (59043146200)	2007	1
1718	SUSAX: Context-specific searching in XML documents using sequence alignment techniques	Claypool, Kajal T. (8977043400)	2008	1
1719	A knowledge representation model for the nuclear power generation domain	Pires, Thiago Tinoco (6507271097)	2007	1
1720	Improving parallelism of federated query processing	Jiang, Haifeng (57193137844); Gao, Dengfeng (7202964847); Li, Wen-Syan (36064148600)	2008	1
1721	A rule language compiler for SQL database servers	Kiernan, G. (6602552954); de Maindreville, C. (6507390012)	1991	1
1722	Simplifying XPath queries for optimization with regard to the elimination of intersect and except operators	Groppe, Sven (22234205300); Groppe, Jinghua (22979685000); Böttcher, Stefan (7004223308)	2008	1
1723	A multi-layer framework for personalized social tag-based applications	Carminati, Barbara (13402877800); Ferrari, Elena (7202281602); Perego, Andrea (8857127500)	2012	1
1724	The design of entity-relationship models for general ledger systems	Parrello, Bruce (57213181979); Overbeek, Ross (7003786216); Lusk, Ewing (7007102373)	1985	1
1725	Reasoning about ER models in a deductive environment	Neumann, Gustaf (7202631028)	1996	1
1726	Ownership as a conceptual modeling construct	Halper, Michael (6701922633); Liu, Li-min (55715169000); Geller, James (16446944800); Perl, Yehoshua (7004508983)	2007	1
1727	On mapping production systems onto multiprocessors	Ignatius, Paul P. (6603426127); Murthy, C. Siva Ram (7102087090)	1996	1
1728	Exploiting abstraction relationships' semantics for transaction synchronization in KBMSs	De Ferreira Rezende, Fernando (6508138430); Härder, Theo (7102369185)	1997	1
1729	Temporal Grid File: A file structure for interval data	Lee, Chiang (26663360800); Tseng, Te-Ming (7102607971)	1998	1
1730	Integration of object-oriented programming languages and database systems in KOPERNIK	Czejdo, Bogdan D. (7004071603); Taylor, Malcolm C. (8131091000)	1992	1
1731	A customizable view for Web-based STEP data	Kim, Minsoo (8858703600); Noh, Seung J. (57203259061); Kim, Yeongho (55699461300); Kang, Suk-Ho (7405687084)	2002	1
1732	On query optimization in a temporal SPC algebra	Wijsen, Jef (55990266100); Bès, Alexis (8869750200)	2003	1
1733	Graph rewriting systems for the entity-relationship approach	Breiteneder, Christian J. (6602188097); Mück, Thomas A. (22734838100)	1995	1

1734	Efficient evaluation of a class of ordered logic programs	Leone, Nicola (7004438804); Pizzutit, Clara (6506911934); Rullo, Pasquale (57202864946)	1997	1
1735	Performance of distributed query optimization in client/server systems	Skowronek, J. (6603776023); Blanken, H.M. (6701673202); Wilschut, A.N. (6603131045)	1999	1
1736	Efficient CCM KRISHNA for high contention environment and its performance comparison with WDL	Kumar, Vijay (58634674600); Gaddipati, Narayan (6507778280)	2000	1
1737	Formalization and correctness of a concurrent linear hash structure algorithm using nested transactions and I/O automata	Kumar Madria, Sanjay (55665770900); Maheshwari, S.N. (7006567711); Chandra, B. (59038624400)	2001	1
1738	Explaining incompatibilities in data dictionary design through abduction	Pirri, Fiora (56990245000); Pizzuti, Clara (6701593553)	1994	1
1739	Drafting ER and OO schemas in prototype environments	Meyer, Bernd (56371299400); Westerman, Gerd D. (11043782600); Gogolla, Martin (6603730578)	1996	1
1740	Publishing inference-proof relational data: An implementation and experiments	Biskup, Joachim (56349600500); Dahn, Christine (57202938353); Diekmann, Katharina (55308864400); Menzel, Ralf (15123008900); Schalte, Dirk (57207793683); Wiese, Lena (8983772000)	2019	1
1741	DZI: An air index for spatial queries in one-dimensional channels	Park, Kwangjin (8652786500); Joly, Alexis (56264909800); Valdurez, Patrick (7004036061)	2019	1
1742	Enhancing portfolio return based on sentiment-of-topic	Chu, Victor W. (55776088300); Wong, Raymond K. (7402126320); Chen, Fang (55714370100); Ho, Ivan (57188719692); Lee, Joe (57188732698)	2019	1
1743	Hierarchy construction and classification of heterogeneous information networks based on RSDAEf	Zhang, Jinli (36976934300); Jiang, Zongli (7404278997); Du, Yongping (8983710500); Li, Tong (56226319700); Wang, Yida (56704900200); Hu, Xiaohua (7404710221)	2020	1
1744	Building social networking services systems using the relational shared-nothing parallel DBMS	Whang, Kyu-Young (56259780900); Na, Inju (57212588385); Yun, Tae-Seob (55800508400); Park, Jin-Ah (57853551200); Cho, Kyu-Hyun (57212584806); Kim, Se-Jin (57213778905); Yi, Ilyeop (57192071675); Lee, Byung Suk (55861200400)	2020	1
1745	Top-k user-specified preferred answers in massive graph databases	Park, Noseong (55994517000); Pugliese, Andrea (56188010100); Serra, Edoardo (35812641000); Subrahmanian, V.S. (7006050903)	2020	1
1746	Seamless conceptual modeling of processes with transactional and analytical data	Combi, Carlo (7003413825); Oliboni, Barbara (6507489888); Weske, Mathias (23394109900); Zerbato, Francesca (56641828600)	2021	1
1747	Discovering closed and maximal embedded patterns from large tree data	Wu, Xiaoying (55715037800); Theodoratos, Dimitri (8410092800); Mamoulis, Nikos (6701782749)	2021	1
1748	Generation of Gaussian sets for clustering methods assessment	Gherbaoui, Radhwane (57216370352); Ouali, Mohammed (7003908156); Benamrane, Nacéra (55923418500)	2021	1
1749	Multilingual Verbalization and Summarization for Explainable Link Discovery	Ahmed, Abdullah Fathi (57188732238); Sherif, Mohamed Ahmed (55901643100); Moussallem, Diego (57079181300); Ngonga Ngomo, Axel-Cyrille (23397850200)	2021	1
1750	Exploring the research landscape of data warehousing and mining based on DaWaK Conference full-text articles	Timakum, Tatsawan (57197716489); Lee, Soobin (57219163236); Song, Min (35243608100)	2021	1

1751	Self-adaptation in smartphone applications: Current state-of-the-art techniques, challenges, and future directions	Ali, Mughees (57216761973); Khan, Saif Ur Rehman (55746684000); Hussain, Shahid (56266004800)	2021	1
1752	Conceptual model visual simulation and the inductive learning of missing domain constraints	Fumagalli, Mattia (56606838500); Sales, Tiago Prince (57205212495); Baião, Fernanda Araujo (6603350945); Guizzardi, Giancarlo (16028392500)	2022	1
1753	Combining Specialized Word Embeddings and Subword Semantic Features for Lexical Entailment Recognition	Bui, Van-Tan (57207741682); Nguyen, Phuong-Thai (25925292600); Pham, Van-Lam (57188751645)	2022	1
1754	SQL query extensions for imprecise questions	Le Guilly, Marie (57211937184); Petit, Jean-Marc (59113054700); Scuturici, Vasile-Marian (15756127900)	2022	1
1755	Towards automatic Privacy-Preserving Record Linkage: A Transfer Learning based classification step	Nóbrega, Thiago (57215194888); Pires, Carlos Eduardo S. (35176316700); Nascimento, Dimas Cassimiro (57076079600); Marinho, Leandro Balby (23393414800)	2023	1
1756	Logical big data integration and near real-time data analytics	Silva, Bruno (57213262105); Moreira, José (55981720500); Costa, Rogério Luís de C. (7801604983)	2023	1
1757	Discovering and evaluating organizational knowledge from textual data: Application to crisis management	Grissa, Dhouha (55803574800); Andonoff, Eric (15764542000); Hanachi, Chihab (56008871000)	2023	1
1758	Legal powers, subjections, disabilities, and immunities: Ontological analysis and modeling patterns	Griffo, Cristine (56904279900); Almeida, João Paulo A. (19933751900); Lima, João A.O. (58590433300); Prince Sales, Tiago (57205212495); Guizzardi, Giancarlo (16028392500)	2023	1
1759	LBP feature and hash function based dual watermarking algorithm for database	Li, De (54787727100); Ma, Chi (57551877500); Gao, Haoyang (57212391508); Jin, Xun (57540058500)	2023	1
1760	A FAIR catalog of ontology-driven conceptual models	Sales, Tiago Prince (57205212495); Barcelos, Pedro Paulo F. (35316913600); Fonseca, Claudenir M. (56564887800); Souza, Isadora Valle (58562577000); Romanenko, Elena (57715851700); Bernabé, César Henrique (57204685650); Bonino da Silva Santos, Luiz Olavo (36238849200); Fumagalli, Mattia (56606838500); Kritz, Joshua (57408186800); Almeida, João Paulo A. (19933751900); Guizzardi, Giancarlo (16028392500)	2023	1
1761	Self supervised learning and the poverty of the stimulus	Veres, Csaba (6603365841); Sampson, Jennifer (15122421800)	2023	1
1762	Challenges of a Data Ecosystem for scientific data	Ramalli, Edoardo (57211998875); Pernici, Barbara (7004638196)	2023	1
1763	Neurofuzzy semantic similarity measurement	Martinez-Gil, Jorge (57188967922); Mokadem, Riad (23397798800); Küng, Josef (7006389016); Hameurlain, Abdelkader (6602819261)	2023	1
1764	A social and technical sustainability requirements catalogue	Moreira, Ana (7201367686); Araújo, João (57200393219); Gralha, Catarina (56227243800); Goulão, Miguel (6508082023); Brito, Isabel Sofia (23392256400); Albuquerque, Diogo (57315302000)	2023	1
1765	Hybrid optimization using lion and dragonfly for enhanced resource allocation in fifth-generation networks	A., Bamila Virgin Louis (57224519200); G., Arul Dalton (57193953347)	2023	1
1766	AStar: A modeling language for document-oriented geospatial data warehouses	Ferro, Marcio (57210963656); Silva, Edson (56494093900); Fidalgo, Robson (8659107700)	2023	1

1767	A pattern accumulated compression method for trajectories constrained by urban road networks	Han, Jingyu (24334565400); Lu, Wei (58837184800); Ge, Kang (58074407400); Zhu, Man (55459585500); Chen, Wei (57087444200); Liu, Yang (57216669979); Wu, Fan (59105810100)	2023	1
1768	Machine learning for predicting off-block delays: A case study at Paris — Charles de Gaulle International Airport	Falque, Thibault (58154699300); Mazure, Bertrand (6602363821); Tabia, Karim (15926498500)	2024	1
1769	Fusion learning of preference and bias from ratings and reviews for item recommendation	Liu, Junrui (57391657700); Li, Tong (56226319700); Yang, Zhen (57193159652); Wu, Di (57211244078); Liu, Huan (7409751811)	2024	1
1770	Towards deep understanding of graph convolutional networks for relation extraction	Wu, Tao (55210114700); You, Xiaolin (58810196700); Xian, Xingping (36447999900); Pu, Xiao (57959419200); Qiao, Shaojie (16205409900); Wang, Chao (57207369437)	2024	1
1771	A framework for approximate product search using faceted navigation and user preference ranking	Vandic, Damir (36667552000); Nederstigt, Lennart J. (55237005400); Frasinicar, Flavius (55885142300); Kaymak, Uzay (7004385524); Ido, Enzo (58297289900)	2024	1
1772	A new sentence embedding framework for the education and professional training domain with application to hierarchical multi-label text classification	Lefebvre, Guillaume (58347609200); Elghazel, Haytham (15043862500); Guillet, Theodore (58346336100); Aussem, Alexandre (55915241000); Sonnat, Matthieu (58347609300)	2024	1

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