Boris Chigarev ORCID 0000-0001-9903-2800 https://figshare.com/authors/Boris_Chigarev/6474086

Petroleum Science (China) vs Neftyanoe khozyaystvo - Oil Industry (Russia), Bibliometric Comparison of Two Journals.

Petroleum Science

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>
> **Description**
>
> *Petroleum Science* is a peer-reviewed open access journal published under the brand **SpringerOpen**. It is a **journal on petroleum science and technology in the English edition**, and enjoys the assistance of the Science & Technology Department of CNPC and three research institutes under the three major oil corporations, CNPC, Sinopec and CNOOC.
>
> *Petroleum Science* is the only English journal in **China** on petroleum science and technology...
>
> The publication costs are covered by China University of Petroleum so **authors do not need to pay an article-processing charge**.
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> *Petroleum Science* became **open access** in 2015.
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ABSTRACTED/INDEXED IN

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Journal statistics by scimagojr.com

H Index - 21; Citations per document - 2.3 (2018 year); SJR - 0.598 (2018); Total Cites/Self-Cites (2018) 463/47; Cited documents/Uncited documents (2018) 145/49; % International Collaboration (2018) - 10%; Q2 in economic geology

Subject Area and Category: Earth and Planetary Sciences; Economic Geology; Geochemistry and Petrology; Geology; Geophysics; Geotechnical Engineering and Engineering Geology; Energy; Energy Engineering and Power Technology; Fuel Technology

https://www.scimagojr.com/journalsearch.php?q=11900154312&tip=sid

Neftyanoe khozyaystvo - Oil Industry

Journal statistics by scimagojr.com

H Index - 13; Citations per document - 0.44 (2018 year); SJR - 0.25 (2018); Total Cites/Self-Cites (2018) 438/114 [(2014) 192/128]; Cited documents/Uncited documents (2018) 228/765; % International Collaboration (2018) - 4.15%; Q3 in energy engineering and power technology

Subject Area and Category: Energy; Energy Engineering and Power Technology; Fuel Technology

https://www.scimagojr.com/journalsearch.php?q=21100403901&tip=sid&clean=0

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since 2017, all scientific articles published in the journal are assigned a DOI index. https://www.oil-industry.net/Journal/ Archive of the journal since 1920

Journal Editorial Board of "Neftyanoe khozyaystvo - Oil Industry", all of 31 members are from Russian Federation - https://www.oil-industry.net/Journal/redkollegiya.php?SHOWALL_1=1

Impact factor of RINC 2017: 0.501 - https://elibrary.ru/title_about.asp?id=7921

Translation version: Oil Industry

INDEXED IN: Scopus, RINC, OnePetro

language={**Russian**} - 1649 docs ; language={**English**} - 8 docs

No transparency in management of fee:

> Authors planning to publish an article for free, please be patient: due to the overload of the editorial portfolio, the term from the submission of the article to its publication currently stands at 1.5–2 years.. https://www.oil-industry.net/upload/PPS.pdf
>
> For current fee and more information about the conclusion of contracts for a paid publication, contact the editors.

Scopus Data

(Scopus 18-06-2019)

Petroleum Science

Query in Scopus: (DOCTYPE(ar) AND PUBYEAR > 2013 AND (LIMIT-TO (EXACTSRCTITLE,"Petroleum Science"))); results: **366 docs**

Table 1. Top 30 affiliation organizations (all 160 results are in file: Scopus-366-Analyze-Affiliation.csv)

AFFILIATION	Number of results
China University of Petroleum - Beijing	103
China University of Petroleum East China	43
Sinopec	33
Research Institute of Petroleum Exploration and Development	32
China National Petroleum Corporation	27
State Key Laboratory of Heavy Oil Processing, China University of Petroleum, Beijing	20
Southwest Petroleum University China	18
China University of Geosciences, Beijing	15
Ministry of Education China	14
Chengdu University of Technology	11
Research Institute of Petroleum Industry, Tehran	8
University of Texas at Austin	8
Chinese Academy of Sciences	8
Yangtze University	7
Shengli Oilfield Company	7
Tarim Oilfield Company	7
Indian Institute of Technology Indian School of Mines, Dhanbad	6
Peking University	6
Jiangsu University	6
China University of Geosciences, Wuhan	5
University of Tehran	5
Tsinghua University	5
Tarbiat Modares University	5
Nanjing University	5
Southwestern Hospital Chongqing	5
China National Offshore Oil Corp	5
Ministry of Land and Resources P.R.C.	5
University of Calgary	4
Jilin University	4
Amirkabir University of Technology	4
Petroleum University of Technology	4

Remark: not only China organizations in top 30: Research Institute of Petroleum Industry, Tehran; University of Texas at Austin; Indian Institute of Technology Indian School of Mines, Dhanbad; University of Tehran; University of Calgary; Amirkabir University of Technology. Industry organizations in top 30: Sinopec; China National Petroleum Corporation; Shengli Oilfield Company; Tarim Oilfield Company

Table 2. Top 20 countries (all 39 results are in file: Scopus-366-Analyze-Country.csv)

COUNTRY/TERRITORY	Number of results
China	247
United States	42
Iran	36
India	18
United Kingdom	14
Canada	12
South Korea	7
Turkey	7
Australia	5
France	4
Malaysia	4
United Arab Emirates	4
Norway	3
Oman	3
Russian Federation	**3**
Saudi Arabia	3
South Africa	3
Argentina	2
Denmark	2
Egypt	2
Germany	2

Remark: Russian Federation - 3 << then Iran - 36 and India - 18

Table 3. Top 20 funds (all 105 results are in file: Scopus-366-Analyze-FundingSponsor.csv)

Fund	Results
National Natural Science Foundation of China	86
National Major Science and Technology Projects of China	11
Fundamental Research Funds for the Central Universities	10
China Postdoctoral Science Foundation	9
National Basic Research Program of China (973 Program)	9
China University of Petroleum, Beijing	7
Science Foundation of China University of Petroleum, Beijing	7
China National Petroleum Corporation	6
Ministry of Education of the People's Republic of China	4
Natural Sciences and Engineering Research Council of Canada	4
PetroChina Company Limited	4
PetroChina Innovation Foundation	4
Ministry of Education	3
National Aerospace Science Foundation of China	3
Natural Science Foundation of Jiangsu Province	3
State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation	3
China Scholarship Council	2
ConocoPhillips	2
Iran National Science Foundation	2
Jiangsu Province Postdoctoral Science Foundation	2
Korea Institute of Energy Technology Evaluation and Planning	2

Remark: not only China's Foundations: ConocoPhillips; Iran National Science Foundation; Korea Institute of Energy Technology Evaluation and Planning

All of 366 publications are related to two Scopus subject areas: Earth and Planetary Sciences and Energy (file: Scopus-366-Analyze-Subject.csv)

Table 4. Top 40 key words by Scopus (all 160 results are in file: Scopus-366-Analyze-KeyWords.csv)

KEYWORD	Number of results
Enhanced Oil Recovery	11
Shale Gas	9
Numerical Simulation	8
China	7
Heavy Oil	7
Rheology	7
Shale	7
Biodiesel	6
Adsorption	5
Asphaltenes	5
Hydraulic Fracturing	5
Oxidative Desulfurization	5
Wettability Alteration	5
Coalbed Methane	4
Dongying Sag	4
Kinetics	4
Natural Gas	4
Ordos Basin	4
Sichuan Basin	4
Source Rock	4
Stability	4
Carbon Dioxide	3
Crude Oil	3
Diagenesis	3
Diffusion	3
Experimental Design	3
Fracture Propagation	3
Geochemistry	3
History Matching	3
Modeling	3
Permeability	3
Petroleum Coke	3
Shale Oil	3
Surfactant	3
Tarim Basin	3
Tight Oil	3
Transesterification	3
Viscosity Reduction	3
Wellbore Stability	3
Algae	2

Oil industry

Query in Scopus: SRCTITLE (oil AND industry) AND DOCTYPE (ar) AND PUBYEAR > 2013; results: **1,657 docs**

Remark: using SRCTITLE instead of EXACTSRCTITLE give 3 results: Neftyanoe Khozyaystvo Oil Industry 1598; Neftyanoe Khozyaistvo Oil Industry 58; Oil Industry 1 - all related to the same journal (aliases)

Table 5. Top 30 affiliation organizations (all 160 results are in file: Scopus-1657-Analyze-Affiliation.csv)

AFFILIATION	Number of results
Gubkin Russian State University of Oil and Gas	127
Lukoil	126
Kazan Federal University	120
Gazpromneft NTC LLC	114
Perm National Research Polytechnic University	108
Rosneft Oil	83
BashNIPIneft LLC	81
Gazprom Neft PJSC	59
BP p.l.c.	50
Ufa State Petroleum Technological University	49
Tyumen industrial University	47
Tatneft PJSC	46
Zarubezhneft JSC	45
TatNIPIneft	44
Institute of Oil and Gas Problems of the Russian Academy of Sciences	43
Saint Petersburg Mining University	32
Tyumen Branch of SurgutNIPIneft	31
Bugulma	31
Russian Academy of Sciences	31
RN-UfaNIPIneft LLC	30
Almetyevsk	30
Lomonosov Moscow State University	29
Tomskij Politehniceskij Universitet	27
Pipeline Transport Institute LLC	26
VNIIneft JSC	24
TatNIPIneft	22
Skolkovo Institute of Science and Technology	22
Uhtinskij Gosudarstvennyj Tehniceskij Universitet	19
Kazan Scientific Center, Russian Academy of Sciences	16
TomskNIPIneft JSC	15
Gazprom	15

Remark: BP p.l.c. - 50 publications - significant result

Table 6. All list of countries (file: Scopus-1657-Analyze-Country.csv)

COUNTRY/TERRITORY	
Russian Federation	1569
Viet Nam	29
Ukraine	14
Kazakhstan	13
Azerbaijan	11
United States	7
Serbia	6
United Kingdom	6
China	5
Belarus	3
Canada	3
Iraq	2
Uzbekistan	2
Costa Rica	1
France	1
Hungary	1
Norway	1
Sweden	1
Undefined	32

Remark: 1569/29 = 54 (Russia and next Viet Nam) compare to 247/42 = 5.8 (China and next USA in tab.2)

Table 7. All funds (file: Scopus-1657-Analyze-FundingSponsor.csv)

Fund	Result
Council on grants of the President of the Russian Federation	1
Korean National Police Agency	1
Ministry of Education and Science of the Russian Federation	1
National Council for Scientific Research	1
Tomsk Polytechnic University	1

Remark: may be most authors do not declare founding of their research

All of 1657 publications are related to one Scopus subject area: Energy (file: Scopus-1657-Analyze-Subject.csv)

Table 8. Top 40 key words by Scopus (all 160 results are in file: Scopus-1657-Analyze-KeyWords.csv)

KEYWORD	Number
Oil	65
Oil Fields	45
Carbonate Reservoir	38
Hydraulic Fracturing	38
Horizontal Wells	37
Bazhenov Formation	36
Porosity	33
Hydrocarbons	32
Oil Shale	32
Permeability	32
Well	32
Heavy Oil	30
Reservoir	28
Oil Production	25
Petroleum Reservoirs	25
Well Testing	24
Modeling	22
Hard-to-recover Reserves	21
Deposits	19
Gas	18
Reservoir Properties	18
Well Logging	18
Western Siberia	18
Core	17
Efficiency	17
Drilling	16
Fracturing	16
Geomechanics	16
Petroleum Deposits	16
Energy Efficiency	15
Enhanced Oil Recovery	15
Fracture	15
Horizontal Well	15
Kerogen	15
Lithology	15
Oil Recovery Factor	15
Perm Region	14
Petroleum Reservoir Engineering	14
Pipeline	14
Bitumen	13

Visualizing bibliometric networks by VOSviewer

Petroleum Science

Table 9. Top list of organizations with highest total link strength by Co-authorship (more in file: Co-authorship organizations 30 Petroleum Science.tsv)

organization	documents	citations	total link strength
college of geosciences, china university of petroleum, beijing, 102249, china	6	51	6
school of geoscience and technology, southwest petroleum university, chengdu, sichuan 610500, china	6	19	6
research institute of petroleum exploration and development, petrochina, beijing, 100083, china	6	35	5
school of energy resources, china university of geosciences, beijing, 100083, china	8	30	5
research institute of petroleum exploration & development, petrochina, beijing, 100083, china	4	47	4
research institute of petroleum exploration and development, cnpc, beijing, 100083, china	4	5	4
state key laboratory of oil and gas reservoir geology and exploitation, southwest petroleum university, chengdu, sichuan 610500, china	8	35	4

Remark: Type of analysis: Co-authorship; unit of analysis: organizations. Counting method - full Minimun number of documents of an organisation: 3. 664 organizations, 30 meet the threshold

Table 10. List of counties sorted by highest total link strength by Co-authorship (file: Co-authorship counties 24 Petroleum Science.tsv)

country	documents	citations	total link strength
china	247	1082	37.00
united states	42	241	25.00
iran	36	143	9.00
united kingdom	14	40	9.00
australia	5	15	5.00
canada	12	63	5.00
united arab emirates	4	19	4.00
france	4	4	3.00
india	18	169	3.00
malaysia	4	9	3.00
norway	3	10	3.00
south africa	3	4	3.00
turkey	7	13	3.00
argentina	2	16	2.00
denmark	2	14	2.00
japan	2	2	2.00
saudi arabia	3	18	2.00
egypt	2	9	1.00
germany	2	8	1.00
netherlands	2	7	1.00
oman	3	21	1.00
pakistan	2	0	1.00
south korea	7	3	1.00
russian federation	3	28	0.00

Remark: Type of analysis: Co-authorship; unit of analysis: countries. Counting method - full Minimum number of documents of a country: 2. 33 countries, 24 meet the threshold.

Russian federation: good citations, but low Co-authorship

Table 11. List of counties sorted by highest total link strength based on Bibliographic coupling (file: Bibliographic coupling counties 24 Petroleum Science.tsv)

country	documents	citations	total link strength
china	247	1082	1791.15
united states	42	241	1132.29
iran	36	143	445.72
united kingdom	14	40	434.33
canada	12	63	241.00
united arab emirates	4	19	201.00
australia	5	15	196.50
india	18	169	155.33
france	4	4	151.03
south africa	3	4	145.03
malaysia	4	9	119.00
turkey	7	13	118.00
norway	3	10	109.96
saudi arabia	3	18	93.00
germany	2	8	80.00
denmark	2	14	67.00
japan	2	2	67.00
egypt	2	9	65.00
south korea	7	3	60.00
netherlands	2	7	43.00
pakistan	2	0	34.00
argentina	2	16	23.00
oman	3	21	21.00
russian federation	3	28	6.00

Remark: Type of analysis: Bibliographic coupling; unit of analysis: countries. Counting method - full Minimum number of documents of a country: 2. 33 countries, 24 meet the threshold.

Russian federation: good citations, but low Bibliographic coupling

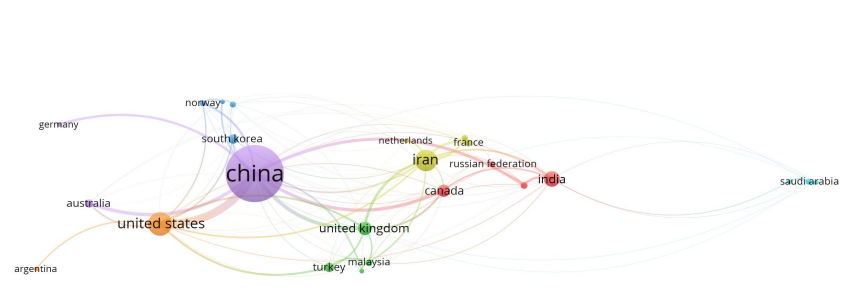

Fig 1. Countries - Bibliographic coupling

Neftyanoe khozyaystvo - Oil Industry

Table 12. Top 30 list of organizations with highest total link strength by Co-authorship (more in file: Co-authorship organizations 106 Oil Industry.tsv)

organization	documents	citations	total link strength
gazpromneft ntc llc, saint-petersburg, russian federation	94	107	55
tatnipineft, bugulma, russian federation	64	65	47
tatneft pjsc, almetyevsk, russian federation	41	41	41
gazprom neft pjsc, saint-petersburg, russian federation	26	16	30
bashnipineft llc, ufa, russian federation	44	17	27
tatnipineft, rf, bugulma, russian federation	44	31	26
rosneft oil company, moscow, russian federation	43	11	20
ufa state petroleum technological university, ufa, russian federation	28	58	17
lomonosov moscow state university, moscow, russian federation	12	56	16
tatneft oao, rf, almetyevsk, russian federation	18	24	16
zarubezhneft jsc, moscow, russian federation	35	29	16
bashneft pjsoc, ufa, russian federation	11	4	15
bashnipineft llc, rf, ufa, russian federation	30	35	14
gazpromneft ntc llc, rf, saint-petersburg, russian federation	34	22	14
lomonosov moscow state university, rf, moscow, russian federation	9	37	14
gubkin russian state university of oil and gas, moscow, russian federation	36	190	13
gubkin russian state university of oil and gas, rf, moscow, russian federation	27	98	13
perm national research polytechnic university, rf, perm, russian federation	65	78	13
permnipineft branch of lukoil-engineering llc in perm, perm, russian federation	23	22	13
permnipineft branch of lukoil-engineering llc in perm, rf, perm, russian federation	11	14	13
skolkovo institute of science and technology, moscow, russian federation	12	33	13
vniineft jsc, moscow, russian federation	23	5	13
kazan (volga region) federal university, kazan, russian federation	50	57	12
oil and gas research institute of ras, rf, moscow, russian federation	27	30	12
rn-ufanipineft llc, rf, ufa, russian federation	15	15	12
lukoil-engineering llc, moscow, russian federation	14	15	11
lukoil-perm llc, perm, russian federation	13	14	11
oil and gas production department leninogorskneft, leninogorsk, russian federation	10	3	11
rosneft oil company pjsc, rf, moscow, russian federation	14	17	11
bashneft-dobycha llc, ufa, russian federation	9	8	10
gazpromneft-razvitie llc, saint-petersburg, russian federation	9	30	10

Remark: Type of analysis: Co-authorship; unit of analysis: organizations. Counting method - full Minimun number of documents of an organisation: 5. 1033 organizations, 106 meet the threshold.

Gazpromneft ntc, Tatnipineft, Tatneft - this firms sustainably have high publications activity and collaborations

The publications of **Gubkin russian state university of oil and gas** have most citations

Table 13. List of counties sorted by highest total link strength by Co-authorship (file: Co-authorship counties 13 Oil Industry.txt)

country	documents	citations	total link strength
russian federation	1569	1508	46
united states	7	4	9
viet nam	29	6	8
china	5	24	7
united kingdom	6	4	7
serbia	6	1	6
azerbaijan	11	33	5
kazakhstan	13	1	5
canada	3	0	3
iraq	2	0	2
ukraine	14	28	2
belarus	3	1	1
uzbekistan	2	0	1

Remark: Type of analysis: Co-authorship; unit of analysis: countries. Counting method - full Minimum number of documents of a country: 2. 18 countries, 13 meet the threshold. (and it's in 1657 publications!)

Russian federation: **too low Co-authorship**

Table 14. List of counties sorted by highest total link strength based on Bibliographic coupling (file: Bibliographic coupling counties 13 Oil Industry.tsv)

country	documents	citations	total link strength
russian federation	1569	1508	591
viet nam	29	6	117
united states	7	4	112
china	5	24	108
united kingdom	6	4	96
azerbaijan	11	33	84
serbia	6	1	54
kazakhstan	13	1	46
canada	3	0	27
uzbekistan	2	0	23
ukraine	14	28	21
belarus	3	1	18
iraq	2	0	5

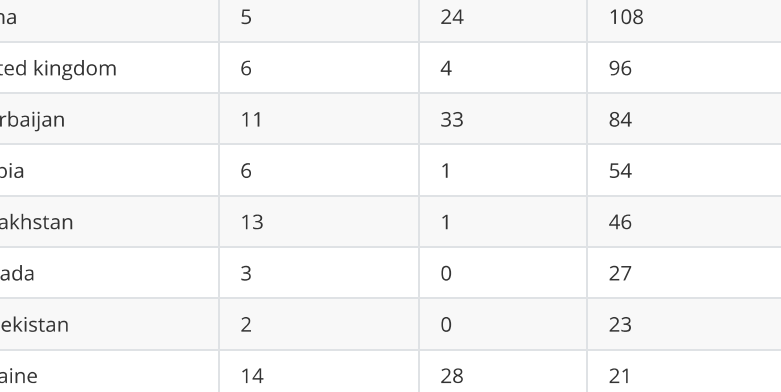

Fig 2. Countries - Bibliographic coupling

Comparison of most cited articles in both journals

Table 15. top 25 most cited articles in Petroleum Science (keywords describe thematic of article)

Title	Cited by	Author Keywords
Emission and performance analysis of a diesel engine burning cashew nut shell oil bio diesel mixed with hexanol	36	Biodiesel; Emission; Engine performance; Hexanol
Influence of an oxygenated additive on emission of an engine fueled with neat biodiesel	36	Emissions; Nano-fluid; Turbulence
The impact of cleats on hydraulic fracture initiation and propagation in coal seams	31	Cleats; coal seam; coalbed methane; hydraulic fracturing; simulation experiment
Experimental investigation of shale imbibition capacity and the factors influencing loss of hydraulic fracturing fluids	30	Capillary pressure; Clay; Fracturing fluid; Imbibition; Shale
Characteristics and origin of abnormally high porosity zones in buried Paleogene clastic reservoirs in the Shengtuo area, Dongying Sag, East China	29	abnormally high porosity zone; Dongying Sag; genesis; pores; Shengtuo area
Pore structure and tracer migration behavior of typical American and Chinese shales	28	Connectivity; Diffusion; Imbibition; Nanopore; Shale
A review of China's energy consumption structure and outlook based on a long-range energy alternatives modeling tool	25	China-LEAP model; Clean fuels; Energy consumption structure; Industrial sector; Scenario analysis
Main controlling factors and enrichment area evaluation of shale gas of the Lower Paleozoic marine strata in south China	25	Lower Paleozoic shale gas; Main controlling factors; Maturity; Tectonic deformation
Classification and characteristics of tight oil plays	24	Classification; Distribution characteristics; Efficiency evaluation; Estimated ultimate recovery (EUR); Play; Source–reservoir relationship; Tight oil
Effects of alternating current interference on corrosion of X60 pipeline steel	24	AC current density; AC frequency; Alternating current interference; Corrosion; X60 pipeline steel
Variation and mechanisms of clastic reservoir quality in the Paleogene Shahejie Formation of the Dongying Sag, Bohai Bay Basin, China	20	clastic reservoir quality; controlling factor; hydrocarbon charge; Reservoir quality variation; vertical models of sandstone and mudstone
The influence of DC stray current on pipeline corrosion	19	BEASY; DC interference corrosion; DC stray current; Numerical simulation
Numerical analysis of rock fracturing by gas pressure using the extended finite element method	18	Extended finite element; Fracture mechanics; Gas fracturing; Numerical modeling
Modeling of flow of oil-in-water emulsions through porous media	18	Emulsion; Modeling; Porous media; Pressure drop; Rheology
Mechanism of diagenetic trap formation in nearshore subaqueous fans on steep rift lacustrine basin slopes—A case study from the Shahejie Formation on the north slope of the Minfeng Subsag, Bohai Basin, China	18	diagenetic trap; Dongying Sag; genetic mechanism; lacustrine basin; Nearshore subaqueous fan; rift basin
Stabilizing and reinforcing effects of different fibers on asphalt mortar performance	16	Asphalt mortar; Fiber; Mechanical properties; Rheology; SEM
A review of closed-loop reservoir management	16	Artificial intelligence algorithm; Automatic history matching; Closed-loop reservoir management; Gradient-based algorithm; Gradient-free algorithm; Reservoir production optimization
Progression of injectivity damage with oily waste water in linear flow	16	filtration model; injectivity decline; linear flow model; permeability damage; Produced water injection
Improving slurryability, rheology, and stability of slurry fuel from blending petroleum coke with lignite	15	Coal–water slurry; Lignite; Petroleum coke; Rheological characteristics; Slurry stability
Reservoir characteristics, formation mechanisms and petroleum exploration potential of volcanic rocks in China	15	Diagenesis; Formation mechanism; Hydrocarbon exploration; Volcanic reservoirs
Sedimentary hydrodynamic study of sand bodies in the upper subsection of the 4th Member of the Paleogene Shahejie Formation the eastern Dongying Depression, China	15	Beach-bar; paleo-water depth; paleo-wind force; sedimentary hydrodynamic zone
Emission and performance study emulsified orange peel oil biodiesel in an aspirated research engine	14	Diesel engine; Emissions; Orange peel biodiesel; Performance; Water–biofuel emulsions
Understanding aqueous foam with novel CO2-soluble surfactants for controlling CO2 vertical sweep in sandstone reservoirs	14	CO2-soluble surfactant; Foam; Gravity segregation; Optimal injection strategy; Sweep efficiency
Kinetics and mechanisms of the catalytic thermal cracking of asphaltenes adsorbed on supported nanoparticles	14	Adsorption; Catalytic thermal cracking; n-C 7 asphaltene; Nanoparticles; SHS
The use of grass as an environmentally friendly additive in water-based drilling fluids	14	Apparent viscosity; Filter cake; Filtration; Gel strength; Plastic viscosity; Rheology

Table 16. top 25 most cited articles in Oil Industry (keywords describe thematic of article)

Title	Cited by	Author Keywords
Basin modeling tasks at different stages of geological exploration	34	Basin modeling; Generation-accumulation hydrocarbon system; Prospecting surveys; Stages; Technological cycle
Deep oil-and-gas content of South Caspian Basin	32	Avalanche sedimentogenesis; Deep depth; Geotemperature conditions; Oil-and-gas content; Progradation; South-Caspian Basin
Thermobaric conditions of hydrocarbons accumulations formation in the low-permeability oil reservoirs of khadum suite of the Pre-Caucasus	28	Clay; Khadum suite; Pre-caucasus; Thermobaric conditions
The shale hydrocarbons prospects in the low permeability khadum formation of the Pre-Caucasus	28	Geochemical survey; Khadum formation; Pre-Caucasus; Pyrolytic method; Shale hydrocarbons; Van krevelen diagrams
Evaluation of secondary filtration parameters of low-permeability shale strata of the Maikop series of Central and Eastern Ciscaucasia by the results of geomechanics modeling	27	Geodynamic processes; Geomechanics modeling; Maikop series; Shale hydrocarbons; The Caucasus
Hydrocarbon generation-accumulative system on the territory of Crimea Peninsula and adjacent Azov and Black Seas	25	Azov sea; Black Sea; Crimea; Geological risks; Hydrocarbon generation and accumulation system; Numerical basin modeling; Source rocks
The hydrocarbon potential of deep horizons in the south-eastern part of the Volga-Urals oil and gas province	22	Basin modeling; Great depths; Petroleum systems; PreUral foredeep
Analysis of the energy reliability component for offshore drilling platforms within the Black Sea	21	Drilling platform; Electric equipment; Functional protection; Reliability; Reliability of the systems
Evolution of petroleum systems in the territory of Baikit anticlise and Kureiskaya syneclise (Eastern Siberia)	20	Baikit anteclise; Forecast of oil and gas potential; Kureyskaya syneclise; Petroleum systems; Siberian superplume
Metamorphic aureole development technique in terms of Tuymazinskoye oil field	15	Oil recovery factor; Oil reserves; Oil reserves recovery; Oil well; Oil-water ratio; Preroofed part of the reservoir; Reservoir; Residual oil reserves; Water encroachment; Water saturation; Water-coning; Water-cut; Water-oil zone
Permanent reservoir monitoring by logging gages at the stage of tight oil recovery	15	Activities scheduling; Decline analyze; Permanent down-hole gages; Production enhancement; Reservoir surveillance; Well logging; Well testing
A novel water shut-off technique for horizontal wells at fields with hard-to-recover oil reserves	14	Capital investments; Dual permeability; Dual porosity; Geological model; Horizontal well; Polyacrylamide; Reservoir fracture network; Reservoir simulation; Tracer injection; Water shut-off composition; Water-producing interval
Intensification of thermal steam methods of production of heavy oil using a catalyst based on cobalt	14	Aquathermolysis; Catalyst precursor; Heavy crude oil; In situ conversion; Transition metal
Energy safety of technological processes of oil extraction	14	Energy Costs; Energy Efficiency; Energy Safety; Energy Saving; Oil Production; Power Supply System; Quality; Reliability
New technology of bottom water shut-off	13	Borehole; Bottom water inflow; Diesel fuel; Paraffin; Water shut-off works
Investigation of Bazhenov formation using thermal core logging technique	13	Bazhenov formation; Geomechanics; Thermal logging
The need for creation of a unified comprehensive method of geological and field analysis and integration of data on effective influence on the bottom-hole formation zone	13	Conditions and parameters of impact; Geological analysis and data integration; Impact on bottom-hole formation zone; Performance indicators
The methods of voltage dips and distortion compensation in electrical networks of oil production enterprises	12	Automated point of sectioning; Compensation; Dynamic compensator of voltage distortion; High speed of automated reserve input; Voltage dip; Voltage distortion
Performance evaluation of large tank RVSPK-100000 in development of differential settlement area	11	ANSYS; Base; Differential settlement; Foundation; RVSPK-100000; Settlement; Stress-strain state; Tank
Theoretical and experimental justification of full lift method of tank 20000 m2 for repair its base and foundation	11	Aboveground tank; ANSYS; Base; Foundation; Jack; Lift; Repair; Steel storage tank; Stress-strain state; Tank
Thermal transformation of bitumoid of Domanic formations of Tatarstan	11	Alkanes; Bitumoide; Domanic; Electron paramagnetic resonance (EPR); SARA-analysis; Thermal transformation
Analysis of causes of accident with vertical steel tanks	11	Analysis of accidents; Causes of accident; Foundation subsidence; Vertical steel tank
Peculiarities of selecting well-killng fluids composition for difficult conditions	10	Acid treatment; Carbonate rocks; Inverted emulsion; Reservoir properties; Well-killing fluids
Seismic analysis of vertical steel tanks RVSPK-50000 using a linear-spectral method	10	Aboveground tank; ANSYS; Modal analysis; Response spectrum; Seismic resistance; Steel storage tank; Stressstrain state; Tank
Numerical simulation of vertical steel tank deformation while differential settlements developing	10	ANSYS; Differential settlements; Steel storage tank; Stress-strain state; Vertical steel tank

Remark: common citation of 25 top articles in Oil Industry - 421 (full number of articles = 1657) is less then of top 25 in Petroleum Science - 477 (full number of articles = 366)

Mean Authors per article in top 50 cited publications

Oil Industry - 4.32; Petroleum Science - 4.46;

Mean keywords per article in top 50 cited publications

Oil Industry - 5.66 (5376); Petroleum Science - 4.98 (4825 characters);

Mean abstract longs per article in top 50 cited publications

Oil Industry - 1200 characters (all 60039); Petroleum Science - 1521 characters (all 76079);

Remark: there is no significant difference in bibliographic data

Main remark: the most difference is the level of collaborations

Resume:

Russian journal "**Neftyanoe khozyaystvo - Oil Industry**" have a lot of well cited publications, but citation and collaboration are lower when compare to China "Petroleum Science".

The most issues are:

- not all articles have translation of full texts to English
- not transparency in management (fee)
- low level of collaborations
- regional editorial board

"**Petroleum Science**" is Open Access journal and has support from industry - CNPC, Sinopec and CNOOC

For more detail tables and figures see direct link to figshare: https://figshare.com/s/56d88637f8266863112d

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References:

Van Eck, N.J., & Waltman, L. (2010). Software survey: VOSviewer, a computer program for bibliometric mapping. *Scientometrics*, *84*(2), 523-538.

Boris Chigarev ORCID 0000-0001-9903-2800 https://figshare.com/authors/Boris_Chigarev/6474086