

# **Report on Phase II of the Excellence Action Plan of China's STM Journals**

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## **Abstract**

Phase II of the Excellence Action Plan for China's Scientific, Technical, and Medical (STM) Journals (EAP) was released by the China Association for Science and Technology (CAST) on September 30, 2024. Phase II builds on the achievements of Phase I (2019–2023) to transform individual journal developments into an integrated, ecosystem-based approach for 2024-2028.

This report outlines the EAP's five key components of the plan, the applications received, and the organizations and journals selected for support. It also details the financial support offered and the requirements and obligations of the awardees.

The first category support individual journals in both English and Chinese languages with 200 English titles selected, comprising 50 leading journals and 150 emerging journals. In addition, for the second category, 200 Chinese-language journals were selected between leading and emerging categories. The third category focuses on high-start journals, with 50 new journals to be launched each year in nominated strategically important and emerging subject areas. The fourth category (cluster pilot projects) is to encourage digital integration and resource consolidation across multiple journals through self-built or collaborative digital platforms. The fifth area is to encourage training programs for editing and publishing professionals. These initiatives include domestic training sessions, seminars, and overseas exchange activities that build editorial expertise, promote best practices, and facilitate international collaboration.

Notably, Phase II introduces several key differences from Phase I, including the inclusion of Chinese-language leading and high-start journals, and an expansion of cluster pilot projects from five to 13 units.

Overall, Phase II aims to position China's STM journals among the world's top tier by 2035 by establishing flagship journals and integrated publishing ecosystems. Through targeted funding, strategic journal selection, digital transformation, and enhanced training, the Excellence Action Plan is poised to boost the publication of high-quality research.

## 1 Overview

On September 30, 2024, the China Association for Science and Technology (CAST) released on its official website *the Notice on Organizing and Implementing Phase II of the Excellence Action Plan of China's STM Journals Project* ([https://www.cast.org.cn/xw/tzgg/ZH/art/2024/art\\_81125414f969426e8a057b8f3c4234f1.html](https://www.cast.org.cn/xw/tzgg/ZH/art/2024/art_81125414f969426e8a057b8f3c4234f1.html)). Phase II of the Excellence Action Plan of China's STM Journals (the “Excellence Action Plan”, or EAP hereafter) was officially launched, with the implementation period of 2024-2028.

The EAP is jointly organized and implemented by CAST, Ministry of Education (MOE), Ministry of Science and Technology (MOST), Ministry of Finance (MOF), National Press and Publication Administration (NPPA), Chinese Academy of Sciences (CAS), and Chinese Academy of Engineering (CAE). Phase I of the EAP plan started in November 2019 and ended in 2023. ([https://www.cast.org.cn/cms\\_files/filemanager/583933374/attach/20235/d79142c7ed6a48a58baf9daa0b812f94.docx](https://www.cast.org.cn/cms_files/filemanager/583933374/attach/20235/d79142c7ed6a48a58baf9daa0b812f94.docx))

In August 2019, CAST, the Publicity Department of the Central Committee of the Communist Party of China, MOE, and MOST published *the Opinions on Deepening Reforms to Cultivate World-Class STM journals* (the “Opinions”). (<https://baijiahao.baidu.com/s?id=1642021787856433624&wfr=spider&for=pc>)

The Opinions state that “Scientific journals inherit human civilization, gather scientific discoveries, and lead the development of science and technology, directly reflecting the country's scientific and technological competitiveness and cultural soft power. China has become a major country for journals, but the lack of influential world-class scientific journals shows obvious disadvantage in the global competition in science and technology. We must further deepen the reform and optimize the development environment.”

The Opinions proposed for the first time to “implement the EAP of China's STM journals, with the goal of building world-class scientific and technological journals, with the focus on the forefront of changes, strengthen forward-looking layout, scientifically compiling a list of journals for key development, push forward the process of digitization, specialization, syndication, and internationalization ...”

Phase I of the EAP is acknowledged to have achieved remarkable results as follows:

“According to the statistics, China has 166 journals that ranked in the top 25% of relevant international disciplines rankings, 55 journals ranked in the top 5% of their disciplines, 43 journals ranked in the top three of their disciplines, and 19 journals ranked first in their disciplines... The Excellence Action Plan has cultivated more than 120 new journals, filling gaps in relevant fields.” (<https://www.chinaxwcb.com/2024/11/25/99851296.html>)

Also, according to the official news of CAST on February 2, 2024: “Since the implementation of the Excellence Action Plan, China's establishment of world-class journals has achieved new results, and the number of journals whose influence has entered the top 5% and the top 25% of the international rankings of their disciplines has increased by 5.6 times and 1.8 times, respectively.” (<https://stm.castscs.org.cn/yw/40657.jhtml>)

In the above news, CAST explicitly stated its decision to implement Phase II, “to promote the transformation of journal construction from a single-journal breakthrough to the creation of a public welfare, syndicated, digitized, and market-oriented journal development ecosystem, and to provide a solid guarantee for more world-class scientific journals to stand out.” (<https://stm.castscs.org.cn/yw/40657.jhtml>)

After CAST issued a notice on September 30, 2024 about Phase II, it received 1,340 valid applications, including 1,310 journal projects ([https://www.cast.org.cn/xs/TZGG/art/2024/art\\_1316078699.html](https://www.cast.org.cn/xs/TZGG/art/2024/art_1316078699.html)). In addition, 30 publishing units (including academic societies and research institutes) applied for cluster (group) pilot projects. CAST organized the evaluations and calling for public opinions,

finally identified 400 journals being published with China Unified Serial Numbers (CN), 50 high-start journals (mostly “new launches”; those journals that have already been published with an ISSN but do not have a CN yet can also be entitled as “high-start journals”), and 13 publishing units (including societies and research institutes) to be selected. The official final list was announced on November 28, 2024.

## **2 Selected Projects and Funding Amounts**

Phase II of the EAP of China's STM Journals consists of five sub-projects:

- English individual journals;
- Chinese-language individual journals;
- High-start journals;
- Cluster (group) pilot projects; and
- Training programs for editing and publishing talents.

### **2.1 Selection of English Individual Journals**

Two hundred English journals have been selected for the English individual journal project, including 50 English leading journals and 150 English emerging journals, as shown in Appendix 1 and Appendix 2 respectively.

The English leading journals will receive annual funding of not more than 1.5 million RMB per journal; the English emerging journals will receive annual funding of not more than 500,000 RMB per journal.

CAS and its affiliated organizations have the largest number, a total of 16 English journals, selected for the leading project. Tsinghua University has five English journals selected for the leading project, which is the most among universities. Sichuan University has three English journals selected for the leading project, ranking second among all universities. The publishers – Higher Education Press and China Science Publishing & Media Co., Ltd. (CSPM) – also have two journals each selected for the English leading

project.

## **2.2 Selection of Chinese-language Individual Journals**

In Phase II of the EAP the number of Chinese-language journals has been increased. This time, there are 100 Chinese-language journals selected for the leading project and 100 journals selected for the emerging project. The detailed lists are shown in Appendices 3 and 4 respectively. There are now 50 more Chinese-language leading journals than English ones in this category.

Chinese-language leading journals will receive an annual funding of up to 300,000 RMB per journal; Chinese-language emerging journals will receive an annual funding of up to 100,000 RMB per journal.

CAS and its affiliated institutes are also the biggest winners of the Chinese-language leading project, with 15 journals selected. The Chinese Medical Association follows with 11 journals selected.

## **2.3 Project of High-start Journals**

Phase II of the EAP is forward-looking, selecting journals based on academic fields, and highlighting leadership. Based on the principles of making up for shortcomings in China's journal development, filling in gaps, and promoting the concentration of high-quality publishing resources, priority will be given to supporting the following: national societies, international scientific and technological organizations set up within the territory of China, "double first-class" colleges and universities, national scientific research institutes and national laboratories, to establish English or Chinese-language high-start scientific and technological journals in fields of traditional strengths, emerging interdisciplinary areas, strategic frontiers, and key common technologies.

Phase II prioritizes the establishment of new English journals in 53 fields, as shown in

Table 1.

**Table 1 Prioritized fields for new English language journals**

Prioritized fields	Prioritized fields	Prioritized fields
Electronics and Communication Technology	Artificial Intelligence	Quantum Science and Technology
Oncology	Condensed Matter Physics	Biomedical Engineering
Microbiology and Bioengineering	Neuroscience	Immunology
Food Science and Technology	Biomaterials	Civil Engineering
Endocrine Diseases and Metabolic Disorders	Traffic Engineering	Electrical Engineering
Computer Hardware Technology and Architecture	Earth Observation and Navigation	Environmental Engineering and Green Sustainable Development Technologies
Ocean Engineering and Equipment	Manufacturing Engineering	Control Science and Engineering
Composites and Ceramics Materials	Pharmacy	Software Engineering
Engineering Thermodynamics	Robotics and Robotic Technology	Virology
Conservation Biology	Agricultural Engineering	Clinical Neurology
Biochemistry and Molecular Biology	Nuclear Science and Technology	Radiology, Nuclear Medicine and Medical Imaging
Biophysics	Astronomy	Public Health and Preventive Medicine
Particle Physics and Field Theory	Information Science	Aerospace
Mechanics	Biological Breeding	Soil Science
Precision Measurement and Metrology Science	Integrated Circuit Science and Engineering	Interdisciplinary Applications of Computer Science
Organic Chemistry	Polymer Science	Atmospheric Science
Geology	Instrumentation Technology	Chemical Engineering
Energy Systems Engineering	Geography	

Phase II prioritizes the establishment of Chinese-language new journals in 23 fields, as shown in Table 2.

**Table 2 Prioritized fields for new Chinese language journals**

Prioritized fields	Prioritized fields	Prioritized fields
Electronics and Communication Technology	Artificial Intelligence	Quantum Science and Technology
Microbiology and Bioengineering	Electrical Engineering	Computer Hardware Technology and Architecture
Earth Observation and Navigation	Environmental Engineering and Green Sustainable Development Technologies	Ocean Engineering and Equipment
Manufacturing Engineering	Pharmacy	Software Engineering
Biochemistry and Molecular Biology	Information Science	Aerospace
Biological Breeding	Integrated Circuit Science and Engineering	Interdisciplinary Applications of Computer Science
Polymer Science	Instrumentation Technology	Chemical Engineering
Energy Systems Engineering	Advanced Materials.	

The high-start journals project of Phase II aims to select 50 journals each year for support. In 2024, 45 English journals and five Chinese-language journals have been selected. The complete list is provided in Appendix 5.

Among the English journals, the largest number (12) are related to medicine and health, as shown in Table 3.

**Table 3 Twelve new English journals in medicine and health fields**

Journal titles	Journal titles	Journal titles
<i>Allergy Medicine</i>	<i>Health Care Science</i>	<i>Immunology and Inflammation</i>
<i>Science in One Health</i>	<i>Global Health Research and Policy</i>	<i>Eco-Environment &amp; Health</i>
<i>Sleep Research</i>	<i>Eye Science</i>	<i>EngMedicine</i>
<i>Medicine Bulletin</i>	<i>Translational Exercise Biomedicine</i>	<i>iRadiology</i>

The five Chinese-language high-start journals are: *Chinese Journal of Semiconductors*, *PhotoniX Integration*, *Journal of Green Building*, *Journal of Biomaterials and Medical Device Research*, and *Journal of Cybersecurity*.



Unlike Phase I, Phase II does not provide funding for high-start journals. After selection, new journals will follow the national publishing regulations for journal establishment and will be given priority in being allocated a CN.

## **2.4 Cluster (Group) Pilot Projects**

Phase II of the EAP will selectively support scientific journal clusters (groups) with a certain scale, promoting centralized and digitalized journal operation. Through self-built platforms or cooperation with domestic independent platforms, these clusters will establish journal group portal websites, integrated submission and review systems, digital publishing and dissemination platforms, and more. The aim is to integrate and consolidate journal publishing resources across regions, departments, and disciplines, promoting full-process independent publishing, enhancing literature data management and utilization, and creating resource-efficient, distinctive journal groups with high academic influence and sustainable development capabilities.

The cluster (group) pilot projects are divided into three categories:

- Category A: 2 projects, total funding of 16 million RMB per year, with a maximum funding of 10 million RMB per project per year.
- Category B: 6 projects, total funding of 24 million RMB per year, with a maximum funding of 5 million RMB per project per year.
- Category C: 5 projects, total funding of 5 million RMB per year, with a maximum funding of 1 million RMB per project per year.

China Science Publishing & Media Co., Ltd. (CSPM) and Chinese Medical Journals Publishing House Co., Ltd. have received Category A funding. The selection results for the cluster (group) pilot projects can be found in Appendix 6.

According to the *Blue Book on China's Scientific Journal Development (2024)* released in December 2024, the 13 selected cluster pilot units of the Phase II have gathered 1,411

Chinese-language language scientific journals, 324 English scientific journals, and 51 bilingual (Chinese-English) and other language journals. Among them, eight clusters have scales of more than 100 journals. In total, these pilot units have gathered 1,786 journals, with more than one-third of China's scientific journals entering the cluster development.

([https://www.cast.org.cn/xw/MTBD/art/2024/art\\_69811b8b9c67473d9a238bf11eb6c740.html](https://www.cast.org.cn/xw/MTBD/art/2024/art_69811b8b9c67473d9a238bf11eb6c740.html))

## **2.5 Training Programs for Editing and Publishing talents**

This section includes two major projects.

### **2.5.1 Talent Development and Exchange Activities for Scientific Journal Publishing**

There are two categories under this project. One is targeted at all those involved in publishing journals, including editors and publishers, whilst the second is for younger talents.

For the overall project the organizing unit will arrange experts to design training courses for the target group. The activities will include at least four training sessions on the scientific journal industry, and one seminar on industry hot topics, with at least two of the sessions to be held outside Beijing. Each training session will last no less than 16 hours and will be conducted in a hybrid format (both online and in-person). The in-person sessions should have at least 50 participants, and the online session should have no less than 200 participants. All related training courses must be submitted to a designated online platform for public dissemination after the event.

This project is available for one recipient, with a budget of 700,000 RMB, and the project must be held between December 2024 and November 2025. After evaluation, China Science Publishing & Media Co., Ltd. (CSPM) was selected for this project.

The Young Talent project is to be targeted for young editors and publishers of scientific journals. The activities are similar to the overall project except it must include at least three training sessions and two seminars on industry hot topics.

Again, this project is available for one recipient, with the same budget and timing, and the Chinese Medical Journals Publishing House Co., Ltd. was selected for this project.

## **2.5.2 Overseas Training and Exchange Activities for Talents in Scientific Journals**

Implementation requirements: A feasible project execution plan and course scheme should be developed, and a delegation of at least 20 people will be organized to visit outstanding overseas publishers, and related publishing organizations for training activities lasting no less than seven days. Priority will be given to the journals and cluster organizations selected for the EAP Phase II. At least three of the trainees should be young science and technology talent, and priority will be given to project leaders from the CAST's *Young Talent Support Project* and doctoral candidates under the CAST's *Young Talent Support Project*.

The following organizations have been selected: Society of China University Journals (CUJS), China National Publications Import & Export (Group) Corporation (CNPIEC), and Peking University. They will organize delegations in 2025 to visit outstanding publishing organizations in the United Kingdom, Germany, the Netherlands, and the United States etc. for training activities.

## **3 Journal Selection Criteria**

### **3.1 Selection of Leading and Emerging Journals**

Leading and emerging journals are those that are already being published. English and Chinese journals are reviewed separately, with an evaluation of their academic impact

including citation metrics, conducted by discipline. CAST commissioned third-party organizations to analyze and determine the disciplinary classification of applicant journals. Journals from various sub-disciplines were grouped into a single review panel for evaluation. The review process included key stages such as quantitative scoring, qualitative assessment, public disclosure, and project approval.

([https://mp.weixin.qq.com/s?\\_\\_biz=MzAwMDgxMjEwMQ==&mid=2651120293&idx=1&sn=fb60ec7e618a612f880b5426e70e5ecc&chksm=809d4206128980ac8d7f7e1caf3da9c56a465c504e64bf9e4a764059cf31e1102aa547a6a2ff&scene=27](https://mp.weixin.qq.com/s?__biz=MzAwMDgxMjEwMQ==&mid=2651120293&idx=1&sn=fb60ec7e618a612f880b5426e70e5ecc&chksm=809d4206128980ac8d7f7e1caf3da9c56a465c504e64bf9e4a764059cf31e1102aa547a6a2ff&scene=27))

The key selection criteria are as follows:

- The journal must possess a China Unified Serial Number (CN) and have been continuously published for over one year (as of August 2024).
- Bibliographic data must be stored domestically.
- Academic journals must adhere to comprehensive ethical standards and publication processes and must already be indexed by major domestic and international databases.
- For Chinese-language academic journals, their bibliometric indexes in domestic databases should rank within the top 50% (inclusive) of their respective disciplines.

It is worth noting that a relevant official from CAST emphasized that Phase II “does not simply rank journals by impact factor but encourages domestic journals to publish and prioritize original, high-quality research”. Journals that fail to achieve localized storage of scientific data or lack full autonomy in publication and dissemination were generally not prioritized for support. ([https://www.cast.org.cn/xs/TZGG/art/2024/art\\_1316078699.html](https://www.cast.org.cn/xs/TZGG/art/2024/art_1316078699.html))

According to the Application Form of Phase II

([https://www.cast.org.cn/xw/tzgg/ZH/art/2024/art\\_81125414f969426e8a057b8f3c4234f1.html](https://www.cast.org.cn/xw/tzgg/ZH/art/2024/art_81125414f969426e8a057b8f3c4234f1.html)), both Chinese and English journals are required to report their five most representative papers published in the last two years (2022-2023), highlighting the strategic significance, forward-looking nature, impact, academic value, and socio-economic benefits of these papers.

Additionally, English journals must indicate whether their publications have been disseminated on domestic platforms and whether they plan to use China's self-built platforms for publication within the next five years. The publication volume in the last two years (based on citable items of the WoS database) is also required for English journals.

### **3.2 High-start Journals**

The key selection criteria are as follows:

- The applicant must comply with the *Regulations on Publication Management* and the *Regulations on Journal Publication Management*, and must have academic ethical standards and publication processes in line with international practices, as well as a foundation of international publishing experience.
- Chinese-language high-start journals are limited to applications from national academic societies, international scientific and technological organizations established in China, "Double First Class" universities, national-level research institutes, central leading scientific enterprises, or national laboratories.
- English high-start or high potential journals will prioritize applications from national academic societies, international scientific and technological organizations established in China, "Double First Class" universities, national-level research institutes, central leading scientific enterprises, or national laboratories.
- For journals that have been published abroad using an international ISSN, the applicant must have full ownership of the journal.
- Priority will be given to journals that fall within the subject areas for preferential development, and priority will also be given to journals launched on publishing platforms independently operated by domestic institutions within China.

## **4 Main Goals and Tasks of Phase II**

The overall goal of Phase II of the EPA is to make China's scientific journals among the world's top tier by 2035, with a group of internationally competitive flagship journals and

several publishing groups established. These efforts will effectively lead to the developments of emerging and interdisciplinary scientific fields, will significantly enhance the influence and voice in scientific evaluation, will make China become an important hub for global academic exchange and scientific culture dissemination, and will make substantial contributions to the building of a science and technology powerhouse.

Liu Xingping, Director of the Department of Science and Technology Innovation of CAST, when introducing Phase II on November 21, 2024, said that “the implementation of Phase II aims to fundamentally change the situation where high-level papers are mainly first published abroad within five years.” He emphasized that achieving this goal requires focusing on “One leap, two mores, three combinations, and four priorities,” which are as follows:

- A breakthrough from focus on individual journals to creating an ecosystem and overall enhancement;
- Achieving more high-level papers published in scientific journals hosted in China, and more high-quality journals published on domestic platforms;
- Combining group publishing with digitization, internationalization with localization, and public welfare with commercialization;
- Prioritizing Chinese-language individual journals in key disciplines, specialized disciplines, and competitive disciplines; prioritizing English individual journals published on domestic platforms operated by domestic institutions; prioritizing high-start journals that can fill gaps and promote the agglomeration of high-quality publishing resources; and prioritizing clusters (groups) with significant influence, high digitalization levels, and strong knowledge service capabilities.

(<https://www.chinaxwcb.com/2024/11/25/99851296.html>)

## **5 Differences between Phase I and Phase II**

Unlike Phase I, where there was a category for "Key Journals", Phase II of the EPA does not include this level. Support for English and Chinese individual journals is now divided only into "Leading Journals" and "Emerging Journals". Phase I did not provide support for

Chinese-language high-start journals, but Phase II has expanded to include support for Chinese-language new journals. In Phase I, the "Leading Journals" category did not include any Chinese-language journals. However, Phase II has selected 100 Chinese-language journals to be supported under the "Leading Journals" category. Phase I had a subproject for establishing international digital publishing service platforms, while Phase II does not include this subproject. Phase I supported five cluster (group) pilot units, while Phase II has increased this number to 13.

Table 4 summarizes some differences between Phase I and Phase II.

**Table 4 Summary comparison between Phase I and Phase II of the EAP**

<b>Category</b>	<b>Phase I</b>	<b>Phase II</b>
Chinese-language leading journals	None	Supports 100 journals
Chinese-language high-start journals	None	Supports 5 journals
Funding for high-start journals	RMB 500000 one-off grants	None
International digital publishing service platforms	3 units	None
Cluster pilot projects	5 units	13 units

## **6 Likely Outcomes for the Development of China's STM Journals and Publishing Platforms**

### **6.1 China's Journals will Publish more High-Quality Papers**

CAST has made "achieving the publication of more high-level papers in scientific journals hosted in China" a key task in Phase II. This will guide China's journals to increase the quantity of papers published. During the review process of Phase II of the EAP, "journals will not be simply ranked by impact factor, and more emphasis will be placed on encouraging domestic journals to publish and debut high-level scientific research outcomes." This marks an important shift in journal evaluation and sets the direction and requirements for the future development of China's journals.

## 6.2 More High-Quality Papers will be Published First in China's Journals

In 2019, CAST, the Publicity Department of the Communist Party of China, MOE, and MOST published *the Opinions on Deepening Reforms to Cultivate World-Class STM journals* (the "Opinions"), which proposed to "comprehensively enhance the ability of China's scientific journals to gather global innovative ideas and top talents," "increase academic leadership and attractiveness to high-level authors," and "attract high-level papers to be first published in China's scientific journals."

(<https://baijiahao.baidu.com/s?id=1642021787856433624&wfr=spider&for=pc>)

The 2019-2023 EAP (Phase I) also clearly outlined the goal to "benchmark against world-class standards in journal development," especially for the selected "leading journals," which were expected to "continuously expand their international competitiveness and academic influence".

([https://www.cast.org.cn/cms\\_files/filemanager/583933374/attach/20235/d79142c7ed6a48a58baf9daa0b812f94.docx](https://www.cast.org.cn/cms_files/filemanager/583933374/attach/20235/d79142c7ed6a48a58baf9daa0b812f94.docx))

For Phase II, more specific requirements have been set for English-language journals, including "strengthening the ability to capture top academic achievements in the frontier of basic research and major applied research" and "providing platform support for the preferential publication of high-level papers in domestic journals".

([https://www.cast.org.cn/xw/tzgg/ZH/art/2024/art\\_81125414f969426e8a057b8f3c4234f1.html](https://www.cast.org.cn/xw/tzgg/ZH/art/2024/art_81125414f969426e8a057b8f3c4234f1.html))

It can be expected that, in the next five years, China's scientific journals will become even more proactive in attracting high-quality papers and providing better editorial and publishing services for top authors and research teams.

## 6.3 Chinese-Language Journals will Play a more Important Role

Five years ago, China proposed to "optimize and enhance Chinese-language scientific



journals" and "strengthen the international promotion of high-end China's academic journals and papers" (see the "Opinions"). In Phase I of the Excellence Action Plan, nearly a hundred Chinese-language journals were included in the "Emerging Journals" category.

Phase II has specifically set up a "Chinese-language Individual-Journal" project, aiming for these Chinese-language journals "to focus on key areas of national scientific and technological innovation and major directions, to invite/attract high-quality research results, provide cutting-edge scientific information, to serve scientific innovation, talent development, achievement transformation, and scientific popularization, and to lead disciplinary development, support economic construction, and nurture scientific culture."

Phase II supports the creation of 50 new journals each year, with a maximum of 10 Chinese-language new journals receiving support. This is an important signal indicating that China is placing an increased emphasis on the development of Chinese-language journals.

Local language scientific journals undoubtedly play a unique and crucial role in serving national scientific and technological innovation, promoting achievement transformation, and improving the scientific literacy of the public. China's strengthened support for Chinese-language journals, as well as the practices, experiences, and outcomes, may attract attention from other countries or regions.

#### **6.4 China will have more Journal Publishing Platforms Active on the Global Stage**

In Phase I, support was provided to three international digital publishing platforms and five cluster pilot units, cultivating full-process self-publishing platforms with certain international influence, including Tsinghua University Press's SciOpen. ([SciOpen | Professional open access resource for discovery of scientific and technical content](#))

In 2023, the *Journal of Advanced Ceramics*, sponsored by Tsinghua University, returned

to the SciOpen platform. Starting in January 2025, journals such as *Nano Research* and *Friction* will also be completely operated on the SciOpen platform, from submission to publication, and for access. As of December 22, 2024, 136 journals are being operated on SciOpen.

Phase II requires the 13 newly selected cluster (group) pilot units (all five of the cluster pilot units from Phase I have transitioned into Phase II) to "build their own platforms or cooperate with domestic self-built platforms." It also includes "English journals published and disseminated on platforms operated by domestic institutions" within the scope of priority support. We believe that after five years of development, the functionality of China's journal publishing platforms will be further enhanced, and an increasing number of high-quality journals will be published and disseminated on platforms based in China.

## **6.5 China's Collaboration with the International Academic Publishing Community Will Enter a New Phase**

Phase II of the EAP supports the building of journal cluster platforms and encourages the publication of outstanding papers in China's journals, and the operation of China's journals on domestic platforms. In the future, cooperation between China and international academic publishing organizations may gradually expand and deepen from paper and journal publication to areas such as academic publishing governance, protection of research integrity, collaboration on technical standards, and shared social responsibilities.

## **7 Acknowledgements**

The authors would like to thank Professor LIU Xiaomin from CAS Library for her contributions and input into the preparation of this report.

## Appendices

### Appendix 1: English Leading Journals

	<b>Titles</b>	<b>ISSN</b>	<b>Sponsor (or Owner)</b>
1	Journal of Materials Science & Technology	1005-0302	The Chinese Society for Metals
2	Chinese Journal of Catalysis	0253-9837	Dalian Institute of Chemical Physics, CAS
3	Advances in Atmospheric Sciences	0256-1530	Institute of Atmospheric Physics, CAS
4	Journal of Geographical Sciences	1009-637X	Chinese Geographical Society
5	Underground Space	2096-2754	Tongji University
6	Geoscience Frontiers	1674-9871	China University of Geosciences (Beijing)
7	Molecular Plant	1674-2052	Center of Excellence for Molecular Plant Sciences, CAS
8	Engineering	2095-8099	Strategic Advisory Center of the Chinese Academy of Engineering
9	Bone Research	2095-4700	Sichuan University
10	Light: Science & Applications	2095-5545	Changchun Institute of Optics, Fine Mechanics and Physics, CAS
11	Opto-Electronic Advances	2096-4579	Institute of Optics and Electronics, CAS
12	International Journal of Nursing Sciences	2096-6296	Chinese Nursing Association
13	International Journal of Oral Science	1674-2818	Sichuan University

14	National Science Review	2095-5138	Science and Technology Publishing & Media Co., Ltd.
15	Journal of Environmental Sciences	1001-0742	Research Center for Eco-Environmental Sciences, CAS
16	Genomics, Proteomics & Bioinformatics	1672-0229	Beijing Institute of Genomics, CAS (National Bioinformatics Center)
17	International Journal of Extreme Manufacturing	2631-8644	Mechanical Manufacturing Technology Research Institute, China Academy of Engineering Physics
18	Frontiers of Computer Science	2095-2228	Higher Education Press Limited Company
19	Computational Visual Media	2096-0433	Tsinghua University
20	Frontiers of Architectural Research	2095-2635	Higher Education Press Limited Company
21	Military Medical Research	2095-7467	Military Science Press of the Academy of Military Sciences
22	Science Bulletin	2095-9273	CAS
23	Acta Mechanica Sinica	0567-7718	Chinese Society of Theoretical and Applied Mechanics
24	Journal of Magnesium and Alloys	2213-9567	Chongqing University
25	Friction	2223-7690	Tsinghua University
26	Nano Research	1998-0124	Tsinghua University
27	Journal of Energy Chemistry	2095-4956	Science and Technology Publishing & Media Co., Ltd.
28	Journal of Integrative Agriculture	2095-3119	Chinese Academy of Agricultural Sciences

29	Tsinghua Science and Technology	1007-0214	Tsinghua University
30	Forest Ecosystems	2095-6355	Beijing Forestry University
31	World Journal of Pediatrics	1708-8569	Zhejiang University
32	Rare Metals	1001-0521	The Nonferrous Metals Society of China
33	Journal of Advanced Ceramics	2226-4108	Tsinghua University
34	Signal Transduction and Targeted Therapy	2095-9907	Sichuan University
35	Journal of Rock Mechanics and Geotechnical Engineering	1674-7755	Institute of Rock and Soil Mechanics, CAS
36	Journal of Pharmaceutical Analysis	2095-1779	Xi'an Jiaotong University
37	Acta Pharmaceutica Sinica B	2211-3835	Chinese Pharmaceutical Association
38	Applied Mathematics and Mechanics (English Edition)	0253-4827	Shanghai University
39	Horticulture Research	2662-6810	Nanjing Agricultural University
40	Journal of Integrative Plant Biology	1672-9072	Institute of Botany, CAS
41	Chinese Journal of Aeronautics	1000-9361	Chinese Society of Aeronautics and Astronautics
42	Chinese Chemical Letters	1001-8417	Chinese Chemical Society
43	Science China Physics, Mechanics & Astronomy	1674-7348	CAS
44	Science China Earth Sciences	1674-7313	CAS
45	Science China Life Sciences	1674-7305	CAS
46	Science China Information Sciences	1674-733X	CAS

47	Cellular & Molecular Immunology	1672-7681	Chinese Society of Immunology
48	Acta Pharmacologica Sinica	1671-4083	Chinese Pharmacological Society
49	Chinese Medical Journal	0366-6999	Chinese Medical Association
50	IEEE/CAA Journal of Automatica Sinica	2329-9266	Chinese Association of Automation

## Appendix 2: English Emerging Journals

	<b>Titles</b>	<b>ISSN</b>	<b>Sponsor (or Owner)</b>
1	Journal of the National Cancer Center	2667-0054	National Cancer Center
2	Cancer Biology & Medicine	2095-3941	Chinese Anti-Cancer Association
3	Accounts of Materials Research	2643-6728	ShanghaiTech University
4	Journal of Animal Science and Biotechnology	1674-9872	Chinese Association of Animal Science and Veterinary Medicine
5	Journal of Innovative Optical Health Sciences	1793-5458	Huazhong University of Science and Technology
6	Geodesy and Geodynamics	1674-9847	Hubei Provincial Seismological Bureau (Institute of Geophysics, China Earthquake Administration)
7	Big Data Mining and Analytics	2096-0654	Tsinghua University
8	Protein & Cell	1674-800X	Higher Education Press Limited Company
9	Geography and Sustainability	2096-7438;2666-6839	Beijing Normal University
10	Big Earth Data	2096-4471	International Society for Digital Earth
11	Journal of Earth Science	1674-487X	China University of Geosciences (Wuhan)
12	Geo-spatial Information Science	1009-5020	Wuhan University
13	Acta Geologica Sinica (English Edition)	1000-9515	Geological Society of China

14	eScience	2667-1417	Nankai University
15	Chinese Journal of Electronics	1022-4653	Chinese Institute of Electronics
16	Zoological Research	2095-8137	Kunming Institute of Zoology, CAS
17	Animal Nutrition	2405-6545	Chinese Association of Animal Science and Veterinary Medicine
18	Pediatric Investigation	2096-3726	Chinese Medical Association
19	Defence Technology	2096-3459;2214-9147	China Ordnance Society
20	Journal of Bionic Engineering	1672-6529	Jilin University
21	Journal of Iron and Steel Research International	2210-3988	China Iron and Steel Research Institute Group
22	Numerical Mathematics: Theory, Methods and Applications	1004-8979	Nanjing University
23	Frontiers of Physics	2095-0462	Higher Education Press Limited Company
24	Frontiers of Medicine	2095-0217	Higher Education Press Limited Company
25	Chinese Journal of Polymer Science	0256-7679	Chinese Chemical Society
26	High Power Laser Science and Engineering	2095-4719	Shanghai Institute of Optics and Fine Mechanics, CAS
27	Frontiers of Engineering Management	2095-7513	Chinese Academy of Engineering
28	Journal of Palaeogeography	2095-3836	China University of Petroleum (Beijing)
29	eLight	2662-8643	Changchun Institute of Optics,



			Fine Mechanics and Physics, CAS
30	Photonics Research	2327-9125	Shanghai Institute of Optics and Fine Mechanics, CAS
31	Hepatobiliary & Pancreatic Diseases International	1499-3872	Zhejiang Medical Service Management and Evaluation Center
32	International Journal of Coal Science & Technology	2095-8293	China Coal Society
33	International Journal of Sediment Research	1001-6279	International Research and Training Center on Erosion and Sedimentation
34	International Soil and Water Conservation Research	2095-6339	International Research and Training Center on Erosion and Sedimentation
35	Journal of Marine Science and Application	1671-9433	Harbin Engineering University
36	Journal of Ocean Engineering and Science	2468-0133	Shanghai Jiao Tong University
37	Marine Life Science & Technology	2096-6490	Ocean University of China
38	Acta Oceanologica Sinica	0253-505X	China Oceanographic Society
39	Frontiers of Environmental Science & Engineering	2095-2201	Higher Education Press Limited Company
40	Environmental Science and Ecotechnology	2666-4984	Chinese Society for Environmental Sciences
41	Machine Intelligence Research	2731-538X	Institute of Automation, CAS
42	Genes & Diseases	2352-4820	Chongqing Medical University

43	Journal of Computer Science and Technology	1000-9000	Institute of Computing Technology, CAS
44	Journal of Computational Mathematics	0254-9409	Academy of Mathematics and Systems Science, CAS
45	Building Simulation	1996-3599	Tsinghua University
46	Health Data Science	2765-8783	Peking University
47	International Journal of Transportation Science and Technology	2046-0449	Tongji University
48	Communications in Transportation Research	2772-4247	Tsinghua University
49	Journal of Traffic and Transportation Engineering (English Edition)	2095-7564	Chang'an University
50	Chinese Journal of Structural Chemistry	0254-5861	Fujian Institute of Research on the Structure of Matter, CAS
51	Frontiers of Structural and Civil Engineering	2095-2430	Higher Education Press Limited Company
52	Journal of Integrative Medicine	2095-4964	Shanghai University of Traditional Chinese Medicine
53	Acta Metallurgica Sinica (English Letters)	1006-7191	Chinese Society for Metals
54	Landscape Architecture Frontiers	2096-336X	Higher Education Press Limited Company
55	SusMat	2692-4552	Sichuan University
56	Space: Science & Technology	2692-7659	Beijing Institute of Technology
57	International Journal of Minerals, Metallurgy and Materials	1674-4799	University of Science and Technology Beijing

58	International Journal of Mining Science and Technology	2095-2686	China University of Mining and Technology
59	Insect Science	1672-9609	Chinese Entomological Society
60	Cyborg and Bionic Systems	2692-7632	Beijing Institute of Technology
61	Green Energy & Environment	2096-2797	Institute of Process Engineering, CAS
62	Chronic Diseases and Translational Medicine	2095-882X	Chinese Medical Association
63	Nano Materials Science	2096-6482	Chongqing University
64	Nano-Micro Letters	2311-6706	Shanghai Jiao Tong University
65	Energy & Environmental Materials	2575-0356	Zhengzhou University
66	Avian Research	2055-6187	Beijing Forestry University
67	Information Processing in Agriculture	2097-0153	China Agricultural University
68	Infectious Diseases of Poverty	2095-5162	Chinese Medical Association
69	Advances in Climate Change Research	1674-9278	National Climate Center
70	Blockchain: Research and Applications	2666-9536	Zhejiang University
71	Global Health Journal	2414-6447	People's Medical Publishing House
72	npj Flexible Electronics	2397-4621	Nanjing Tech University
73	Journal of Mountain Science	1672-6316	CAS, Chengdu Institute of Mountain Hazards and Environment, Ministry of Water Resources
74	Neuroscience Bulletin	1673-7067	Center for Excellence in Brain

			Science and Intelligence Technology, CAS
75	Acta Biochimica et Biophysica Sinica	1672-9145	Center for Excellence in Molecular Cell Science, CAS
76	Biochar	2524-7972	Shenyang Agricultural University
77	Biomedical and Environmental Sciences	0895-3988	Chinese Center for Disease Control and Prevention
78	Journal of Bioresources and Bioproducts	2097-2415	Nanjing Forestry University
79	Petroleum Exploration and Development	1876-3804	PetroChina Science and Technology Research Institute
80	Petroleum Science	1672-5107	China University of Petroleum (Beijing)
81	World Journal of Emergency Medicine	1920-8642	Zhejiang University
82	World Journal of Traditional Chinese Medicine	2311-8571	World Federation of Chinese Medicine Societies
83	Data Science and Management	2666-7649	Xi'an Jiaotong University
84	Acta Mathematica Scientia	0252-9602	Wuhan Institute of Physics and Mathematics, CAS
85	Acta Mathematica Sinica, English Series	1439-8516	Chinese Mathematical Society
86	Communications in Mathematics and Statistics	2194-6701	University of Science and Technology of China
87	Digital Communications and Networks	2468-5925	Chongqing University of Posts and Telecommunications
88	Carbon Energy	2096-9570	Wenzhou University
89	Research in Astronomy and Astrophysics	1674-4527	National Astronomical Observatories, CAS

90	Journal of Communications and Information Networks	2096-1081	People's Posts and Telecommunications Publishing House
91	Pedosphere	1002-0160	Nanjing Institute of Soil Science, CAS
92	Propulsion and Power Research	2212-540X	Beihang University
93	Cybersecurity	2096-4862	Institute of Information Engineering, CAS
94	Microsystems & Nanoengineering	2096-1030	Aerospace Information Research Institute, CAS
95	Satellite Navigation	2662-9291	Aerospace Information Research Institute, CAS
96	Gastroenterology Report	2304-1412	Sun Yat-sen University
97	Journal of Rare Earths	1002-0721	Chinese Society of Rare Earths
98	Journal of Systems Science & Complexity	1009-6124	Academy of Mathematics and Systems Science, CAS
99	Cell Research	1001-0602	Center for Excellence in Molecular Cell Science, CAS
100	Advanced Photonics	2577-5421	Shanghai Institute of Optics and Fine Mechanics, CAS
101	Advanced Fiber Materials	2524-793X	Donghua University
102	Chip	2772-2724	Shanghai Jiao Tong University
103	Green Energy and Intelligent Transportation	2097-2512	Beijing Institute of Technology
104	InfoMat	2770-5110	University of Electronic Science and Technology of China
105	Frontiers of Information Technology & Electronic Engineering	2095-9184	Chinese Academy of Engineering

106	Asian Journal of Andrology	1008-682X	Shanghai Institute of Materia Medica, CAS
107	Asian Journal of Pharmaceutical Sciences	1818-0876	Shenyang Pharmaceutical University
108	Research	2096-5168	Science and Technology Daily
109	Eye and Vision	2326-0246	Wenzhou Medical University
110	Journal of Genetics and Genomics	1673-8527	Institute of Genetics and Developmental Biology, CAS
111	Journal of Sport and Health Science	2095-2546	Shanghai University of Sport
112	Journal of Zhejiang University-Science A	1673-565X	Zhejiang University
113	Journal of Zhejiang University-Science B	1673-1581	Zhejiang University
114	Integrative Zoology	1749-4869	Institute of Zoology, CAS
115	Plant Phenomics	2097-0374	Nanjing Agricultural University
116	Plant Diversity	2096-2703	Kunming Institute of Botany, CAS
117	Journal of Systematics and Evolution	1674-4918	Institute of Botany, CAS
118	Journal of Plant Ecology	1752-9921	Botanical Society of China
119	Plant Communications	2590-3462	Center for Excellence in Molecular Plant Sciences, CAS
120	Intelligent Medicine	2096-9376	Chinese Medical Association
121	SmartMat	2688-819X	Tianjin University
122	Chinese Journal of Cancer Research	1000-9604	Chinese Anti-Cancer Association
123	CSEE Journal of Power and Energy Systems	2096-0042	CSEE Journal of Power and Energy Systems
124	Chinese Optics Letters	1671-7694	Shanghai Institute of Optics and

			Fine Mechanics, CAS
125	Journal of Ocean University of China	1672-5182	Ocean University of China
126	Chinese Journal of Chemical Engineering	1004-9541	Chinese Chemical Engineering Society
127	CCS Chemistry	2096-5745	Chinese Chemical Society
128	Chinese Journal of Mechanical Engineering	1000-9345	Chinese Society of Mechanical Engineering
129	China CDC Weekly	2096-7071	Chinese Center for Disease Control and Prevention
130	Chinese Journal of Integrative Medicine	1672-0415	China Academy of Chinese Medical Sciences
131	Science China Materials	2095-8226	CAS
132	Science China Chemistry	1674-7291	CAS
133	Science China Technological Sciences	1674-7321	CAS
134	Science China Mathematics	1674-7283	CAS
135	Neural Regeneration Research	1673-5374	Chinese Association of Rehabilitation Medicine
136	Chinese Journal of Natural Medicines	2095-6975	China Pharmaceutical University
137	China Communications	1673-5447	China Communications Society
138	Chinese Physics B	1674-1056	Institute of Physics, CAS
139	Chinese Physics C	1674-1137	Institute of High Energy Physics, CAS
140	Chinese Physics Letters	0256-307X	Institute of Physics, CAS
141	Transactions of Nonferrous Metals Society of China	1003-6326	The Nonferrous Metals Society of China
142	Chinese Neurosurgical Journal	2095-9370	Chinese Medical Association

143	Journal of Central South University	2095-2899	Central South University
144	Journal of Traditional Chinese Medicine	0255-2922	China Association of Chinese Medicine
145	Journal of Intensive Medicine	2097-0250	Chinese Medical Association
146	Translational Neurodegeneration	2096-6466	Ruijin Hospital Affiliated to Shanghai Jiao Tong University School of Medicine
147	Fundamental Research	2096-9457	National Natural Science Foundation of China
148	General Psychiatry	2096-5923	Shanghai Mental Health Center
149	Stroke and Vascular Neurology	2059-8688	Chinese Stroke Association
150	The Crop Journal	2095-5421	The Crop Science Society of China



### Appendix 3: Chinese-Language Leading Journals

	<b>Titles</b>	<b>ISSN</b>	<b>Sponsor (or Owner)</b>
1	Journal of Peking University. Health Sciences	1671-167X	Peking University
2	Acta Scientiarum Naturalium Universitatis Pekinensis	0479-8023	Peking University
3	Journal of Beijing University of Aeronautics and Astronautics	1001-5965	Beijing University of Aeronautics and Astronautics
4	Journal of Beijing Normal University. Natural Science	0476-0301	Beijing Normal University
5	Surface Technology	1001-3660	China Ordnance Equipment Group Southwest Institute of Technology Engineering
6	Acta Armamentarii	1000-1093	China Ordnance Society
7	Acta Geodetica et Cartographica Sinica	1001-1595	Chinese Society for Geodesy, Photogrammetry and Cartography
8	City Planning Review	1002-1329	China Urban Planning Association
9	Acta Geographica Sinica	0375-5444	Institute of Geographic Sciences and Natural Resources Research, CAS
10	Acta Geologica Sinica	0001-5717	Geological Society of China
11	Automation of Electric Power Systems	1000-1026	State Grid Electric Power Research Institute Co., Ltd.
12	Power System Technology	1000-3673	State Grid Corporation of China
13	Journal of Electronic Measurement and Instrument	1000-7105	Chinese Institute of Electronics

14	Journal of Electronics & Information Technology	1009-5896	CAS, Institute of Remote Sensing and Digital Earth
15	Chinese Journal of Animal Nutrition	1006-267X	Chinese Association of Animal Science and Veterinary Medicine
16	Acta Materiae Compositae Sinica	1000-3851	Beijing University of Aeronautics and Astronautics
17	Iron and Steel	0449-749X	The Chinese Society for Metals
18	Chinese Journal of Engineering	2095-9389	University of Science and Technology Beijing
19	Acta Optica Sinica	0253-2239	Shanghai Institute of Optics and Fine Mechanics, CAS
20	Journal of the Chinese Ceramic Society	0454-5648	The Chinese Ceramic Society
21	Journal of Harbin Institute of Technology	0367-6234	Harbin Institute of Technology
22	Acta Aeronautica et Astronautica Sinica	1000-6893	Chinese Society of Aeronautics and Astronautics
23	Journal of Lake Sciences	1003-5427	Nanjing Institute of Geography and Limnology, CAS
24	Chemical Industry and Engineering Progress	1000-6613	Chinese Chemical Society
25	CIESC Journal	0438-1157	Chinese Chemical Society
26	Environmental Science	0250-3301	Research Center for Eco-Environmental Sciences, CAS
27	Journal of Mechanical Engineering	0577-6686	Chinese Society of Mechanical Engineering
28	Journal of Building Structures	1000-6869	China Architecture and Building Society
29	Medical Journal of Chinese People's Liberation Army	0577-7402	Military Medical Science Press

30	Acta Metallurgica Sinica	0412-1961	The Chinese Society for Metals
31	Chinese Science Bulletin	0023-074X	CAS
32	Journal of Clinical Hepatology	1001-5256	Jilin University
33	Coal Science and Technology	0253-2336	China Coal Research Institute
34	Journal of China Coal Society	0253-9993	China Coal Society
35	Journal of Southern Medical University	1673-4254	Southern Medical University
36	Transactions of the Chinese Society of Agricultural Engineering	1002-6819	Chinese Society of Agricultural Engineering
37	Bridge Construction	1003-4722	China Railway Major Bridge Engineering Group Co., Ltd.
38	Journal of Tsinghua University. Science and Technology	1000-0054	Tsinghua University
39	Journal of Software	1000-9825	Institute of Software, CAS
40	Acta Ecologica Sinica	1000-0933	Chinese Ecological Society
41	Biodiversity Science	1005-0094	Botanical Society of China
42	Biotechnology Bulletin	1002-5464	Agricultural Information Institute of the Chinese Academy of Agricultural Sciences
43	Acta Petrolei Sinica	0253-2697	Chinese Petroleum Society
44	Oil & Gas Geology	0253-9985	PetroChina Research Institute of Petroleum Exploration and Development
45	Food Science	1002-6630	Beijing Food Science Institute
46	Journal of Fisheries of China	1000-0615	Chinese Society for Fisheries

47	Journal of Hydraulic Engineering	0559-9350	China Water Resources and Hydropower Society
48	Hydrogeology & Engineering Geology	1000-3665	Geological Environment Monitoring Institute
49	Journal of Sichuan University. Medical Science Edition	1672-173X	China Geological Survey
50	Journal of Railway Science and Engineering	1672-7029	Sichuan University
51	Journal on Communications	1000-436X	Central South University
52	Acta Pedologica Sinica	0564-3929	China Institute of Communications
53	Microbiology China	0253-2654	Soil Science Society of China
54	Geomatics and Information Science of Wuhan University	1671-8860	Institute of Microbiology, CAS
55	Acta Physica-Chimica Sinica	1000-6818	Wuhan University
56	Acta Physica Sinica	1000-3290	Chinese Chemical Society
57	Journal of Xi'an Jiaotong University	0253-987X	Institute of Physics, CAS
58	Chinese Journal of Rock Mechanics and Engineering	1000-6915	Xi'an Jiaotong University
59	Acta Petrologica Sinica	1000-0569	Chinese Society for Rock Mechanics and Engineering
60	Journal of Remote Sensing	1007-4619	Chinese Society of Mineralogy, Petrology and Geochemistry
61	Acta Pharmaceutica Sinica	0513-4870	CAS, Institute of Remote Sensing and Digital Earth
62	Chinese Journal of Scientific Instrument	0254-3087	Chinese Pharmaceutical Association
63	Journal of Astronautics	1000-1328	Chinese Instrument and Control

			Society
64	Acta Horticulturae Sinica	0513-353X	Chinese Society of Astronautics
65	Geology of China	1000-3657	Chinese Society for Horticultural Science
66	Proceedings of the Chinese Society of Electrical Engineering	0258-8013	China Geological Survey
67	Strategic Study of CAE	1009-1742	China Electrotechnical Society
68	China Journal of Highway and Transport	1001-7372	Academic Division of Engineering Science, Chinese Academy of Engineering
69	Chinese Journal of Lasers	0258-7025	China Highway and Transportation Society
70	Scientia Sinica Physica, Mechanica & Astronomica	1674-7275	Shanghai Institute of Optics and Fine Mechanics, CAS
71	Scientia Sinica Vitae	1674-7232	CAS
72	Journal of China University of Mining & Technology	1000-1964	CAS
73	Chinese Journal of Immunology	1000-484X	China University of Mining and Technology
74	Scientia Agricultura Sinica	0578-1752	Chinese Society of Immunology
75	Chinese General Practice	1007-9572	Chinese Academy of Agricultural Sciences
76	Chinese Journal of Eco-Agriculture	2096-6237	Chinese Hospital Association
77	Chinese Journal of Experimental Traditional Medical Formulae	1005-9903	Institute of Genetics and Developmental Biology, CAS
78	Chinese Journal of Practical Surgery	1005-2208	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences

79	China Metallurgy	1006-9356	Chinese Medical Doctor Association
80	The Chinese Journal of Nonferrous Metals	1004-0609	The Chinese Society for Metals
81	Chinese Journal of Integrated Traditional and Western Medicine	1003-5370	The Nonferrous Metals Society of China
82	China Journal of Chinese Materia Medica	1001-5302	Chinese Society of Integrated Traditional Chinese and Western Medicine
83	Chinese Journal of Radiology	1005-1201	Chinese Pharmaceutical Association
84	Chinese Journal of Orthopedics	0253-2352	Chinese Medical Association
85	Chinese Journal of Tuberculosis and Respiratory Diseases	1001-0939	Chinese Medical Association
86	Chinese Journal of Stomatology	1002-0098	Chinese Medical Association
87	Chinese Journal of Geriatric Heart Brain and Vessel Diseases	1009-0126	Rongtong Medical Journal Publishing (Beijing) Co., Ltd.
88	Chinese Journal of Epidemiology	0254-6450	Chinese Medical Association
89	Chinese Journal of Internal Medicine	0578-1426	Chinese Medical Association
90	Chinese Journal of Digestive Surgery	1673-9752	Chinese Medical Association
91	Chinese Journal of Cardiology	0253-3758	Chinese Medical Association
92	National Medical Journal of	0376-2491	Chinese Medical Association

	China		
93	Chinese Journal of Nosocomiology	1005-4529	PLA General Hospital
94	Chinese Journal of Preventive Medicine	0253-9624	Chinese Medical Association
95	Chinese Journal of Oncology	0253-3766	Chinese Medical Association
96	Journal of Central South University. Medical Sciences	1672-7347	Central South University
97	Journal of Central South University of Science and Technology	1672-7207	Central South University
98	Acta Automatica Sinica	0254-4156	Institute of Automation, CAS
99	Journal of Natural Resources	1000-3037	Chinese Society of Natural Resources
100	Acta Agronomica Sinica	0496-3490	Crop Science Society of China

#### Appendix 4: Chinese-Language Emerging Journals

	<b>Titles</b>	<b>ISSN</b>	<b>Sponsor (or Owner)</b>
1	Journal of Mining & Safety Engineering	1673-3363	China University of Mining and Technology
2	Earth Science	1000-2383	China University of Geosciences, Wuhan
3	Chinese Journal of Geophysics	0001-5733	Institute of Geology and Geophysics, CAS
4	Earth Science Frontiers	1005-2321	China University of Geosciences, Beijing
5	Transactions of China Electrotechnical Society	1000-6753	Chinese Institute of Electrical Engineering
6	Power System Protection and Control	1674-3415	Xuchang KETOP Electrical Research Institute Co., Ltd.
7	Acta Electronica Sinica	0372-2112	Chinese Institute of Electronics
8	Journal of Textile Research	0253-9721	China Textile Engineering Society
9	Chinese Journal of Analytical Chemistry	0253-3820	Changchun Institute of Applied Chemistry, CAS
10	High Voltage Engineering	1003-6520	National High Voltage Metrological Station
11	Engineering Mechanics	1000-4750	Chinese Society of Theoretical and Applied Mechanics
12	Engineering Plastics Application	1001-3539	Shandong Non-metallic Materials Research Institute
13	Optics and Precision Engineering	1004-924X	Changchun Institute of Optics, Fine Mechanics and Physics, CAS
14	Acta Oceanologica Sinica	0253-4193	Chinese Society for Oceanography



15	Transactions of the China Welding Institution	0253-360X	Chinese Mechanical Engineering Society
16	Aeronautical Manufacturing Technology	1671-833X	Aeronautical Manufacturing Technology Research Institute of AVIC
17	Journal of Huazhong University of Science and Technology. Nature Science	1671-4512	Huazhong University of Science and Technology
18	Progress in Chemistry	1005-281X	National Science Library, CAS
19	Environmental Chemistry	0254-6108	Research Center for Eco-Environmental Sciences, CAS
20	Journal of Environmental Entomology	1674-0858	Guangdong Entomological Society
21	Laser & Optoelectronics Progress	1006-4125	Shanghai Institute of Optics and Fine Mechanics, CAS
22	Journal of Jilin University. Engineering and Technology Edition	1671-5497	Jilin University
23	Chinese Journal of Computers	0254-4164	Institute of Computing Technology, CAS
24	Journal of Building Materials	1007-9629	Tongji University
25	Journal of Traffic and Transportation Engineering	1671-1637	Chang'an University
26	Journal of Transportation Systems Engineering & Information Technology	1009-6744	Systems Engineering Society of China
27	Economic Geography	1000-8462	Geographical Society of China
28	Control and Decision	1001-0920	Northeastern University
29	Acta Entomologica Sinica	0454-6296	Institute of Zoology, CAS
30	Journal of Radars	2095-283X	Aerospace Information Research Institute, CAS

31	Scientia Silvae Sinicae	1001-7488	Chinese Society of Forestry
32	Journal of Army Medical University	2097-0927	Army Medical University of People's Liberation Army
33	Coal Geology & Exploration	1001-1986	Xi'an Research Institute (Group) Co., Ltd. of China Coal Technology and Engineering Group
34	Nankai Business Review	1008-3448	Nankai University
35	Progressus Inquisitiones de Mutatione Climatis	1673-1719	National Climate Center
36	Acta Meteorologica Sinica	0577-6619	Chinese Meteorological Society
37	Hot Working Technology	1001-3814	The 12th Research Institute of China State Shipbuilding Corporation Limited
38	Acta Physiologica Sinica	0371-0874	Shanghai Institute of Nutrition and Health, CAS
39	Chinese Journal of Biotechnology	1000-3061	Institute of Microbiology, CAS
40	The Journal of Practical Medicine	1006-5725	Guangdong Medical Academic Exchange Center (Guangdong Medical Information Center)
41	Science and Technology of Food Industry	1002-0306	Beijing Yiqing Research Institute Co., Ltd.
42	Journal of Mathematics in Practice and Theory	1000-0984	Academy of Mathematics and Systems Science, CAS
43	Advances in Water Science	1001-6791	Nanjing Hydraulic Research Institute, Ministry of Water Resources, Ministry of Transport, National Energy Administration

44	Water Resources Protection	1004-6933	Hohai University
45	Natural Gas Industry	1000-0976	Southwest Oil & Gas Field Company, PetroChina Company Limited
46	Journal of the China Railway Society	1001-8360	China Railway Society
47	Journal of Northwest University. Natural Science Edition	1000-274X	Northwest University
48	Acta Universitatis Septentrionali Occidentali Agriculturae	1671-9387	Northwest A&F University
49	Journal of Southwest University. Natural Science Edition	1673-9868	Southwest University
50	Journal of Southwest Jiaotong University	0258-2724	Southwest Jiaotong University
51	Rare Metals	0258-7076	The Nonferrous Metals Society of China
52	Journal of System Simulation	1004-731X	Beijing Simulation Center
53	Systems Engineering-Theory & Practice	1000-6788	Systems Engineering Society of China
54	Journal of Systems Science and Mathematical Sciences	1000-0577	Academy of Mathematics and Systems Science, CAS
55	Medical Journal of Peking Union Medical College Hospital	1674-9081	Chinese Academy of Medical Sciences
56	Rock and Soil Mechanics	1000-7598	Wuhan Institute of Rock and Soil Mechanics, CAS
57	Atomic Energy Science and	1000-6931	China Institute of Atomic

	Technology		Energy
58	Journal of Zhejiang University. Engineering Science	1008-973X	Zhejiang University
59	Journal of Zhejiang University. Medical Sciences	1008-9292	Zhejiang University
60	Acupuncture Research	1000-0607	Acupuncture Research Institute of China Academy of Chinese Medical Sciences
61	Plant Protection	0529-1542	China Society of Plant Protection
62	Chinese Journal of Plant Ecology	1005-264X	Institute of Botany, CAS
63	Chinese Journal of Aids & STD	1672-5662	Chinese Association of STD & AIDS Prevention and Control
64	China Safety Science Journal (CSSJ)	1003-3033	China Occupational Safety and Health Association
65	Chinese Journal of Pathophysiology	1000-4718	Chinese Pathophysiological Society
66	China Mechanical Engineering	1004-132X	Chinese Mechanical Engineering Society
67	Scientia Sinica Terrae	1674-7240	CAS
68	Scientia Sinica Chimica	1674-7224	CAS
69	Scientia Sinica Mathematica	1674-7216	CAS
70	Bulletin of the Chinese Academy of Sciences	1000-3045	Institute of Science and Development, CAS
71	Journal of China Agricultural University	1007-4333	China Agricultural University
72	Journal of China University of Petroleum. Edition of Natural Science	1673-5005	China University of Petroleum (East China)

73	Chinese Journal of Practical Gynecology and Obstetrics	1005-2216	Chinese Medical Doctor Association
74	Chinese Journal of Rice Science	1001-7216	China National Rice Research Institute
75	Journal of the Chinese Society of Rare Earths	1000-4343	Chinese Society of Rare Earths
76	Chinese Journal of Evidence-Based Medicine	1672-2531	Sichuan University
77	China Pharmacy	1001-0408	Chinese Hospital Association
78	Chinese Journal of Medical Imaging Technology	1003-3289	Institute of Acoustics, CAS
79	Chinese Hospital Management	1001-5329	Heilongjiang Provincial Health Development Research Center
80	Chinese Acupuncture and Moxibustion	0255-2930	China Association of Acupuncture-Moxibustion
81	Chinese Journal of Ultrasonography	1004-4477	Chinese Medical Association
82	Chinese Journal of Orthopaedic Trauma	1671-7600	Chinese Medical Association
83	Chinese Journal of Pediatrics	0578-1310	Chinese Medical Association
84	Chinese Journal of Obstetrics and Gynecology	0529-567X	Chinese Medical Association
85	Chinese Journal of Nursing	0254-1769	Chinese Nursing Association
86	Chinese Journal of Neurology	1006-7876	Chinese Medical Association
87	Chinese Journal of Surgery	0529-5815	Chinese Medical Association
88	Chinese Journal of Gastrointestinal Surgery	1671-0274	Chinese Medical Association
89	Journal of Central South University of Forestry & Technology	1673-923X	Central South University of Forestry and Technology

90	Journal of Traditional Chinese Medicine	1001-1668	China Association of Traditional Chinese Medicine
91	Natural History (Bowu)	1672-6669	Institute of Geographic Sciences and Natural Resources Research, CAS
92	Aerospace Knowledge	1000-0119	Chinese Society of Aeronautics and Astronautics
93	Science Pictorial	1000-8292	Shanghai Scientific & Technical Publishers, Ltd.
94	Newton	1003-1162	China Science Publishing & Media Ltd.
95	Nongcun Baishitong	1006-9119	Jiangxi Science and Technology Press Co., Ltd.
96	100000WHYS	2095-9311	Shanghai Juvenile & Children's Publishing House Co., Ltd.
97	Amateur Astronomer	0493-2285	Chinese Astronomical Society
98	WXD HANDS-ON ELECTRONICS	0512-4174	Posts & Telecom Press Co., Ltd.
99	Knowledge is Power	0529-150X	China Science and Technology Press Co., Ltd.
100	Chinese National Astronomy	1673-6672	National Astronomical Observatories, CAS

Note: Number 91-100 are popular science magazines.

## Appendix 5: High-start Journals

	<b>Titles</b>	<b>Sponsor (or Owner)</b>
1	Hyper	China Aerospace Science and Technology Innovation Academy
2	International Journal of Geographical Indication	Institute of Geographic Sciences and Natural Resources Research, CAS
3	Earth Energy Science	Chongqing University
4	Artificial Intelligence in Geosciences	China Science Publishing & Media Ltd.
5	iEnergy	Tsinghua University
6	Advanced Bionics	Jilin University
7	Industrial Chemistry & Materials	Institute of Process Engineering, CAS
8	Allergy Medicine	Chinese Research Hospital Association
9	River	China Institute of Water Resources and Hydropower Research
10	Journal of Polar Science and Engineering	China University of Geosciences (Beijing)
11	Health Care Science	Tsinghua University
12	Quantum Review Letters	China Science Publishing & Media Ltd.
13	Immunity & Inflammation	Chinese Society for Immunology
14	Energy Materials and Devices	Tsinghua University
15	Science in One Health	Shanghai Jiao Tong University
16	Global Health Research and Policy	Wuhan University
17	Tropical Agricultural Sciences	Tropical Bioscience and Biotechnology Research Institute, Chinese Academy of Tropical Agricultural Sciences
18	Tropical Plants	Hainan University
19	Anthropocene Coasts	East China Normal University
20	Resilient Cities and Structures	Tongji University

21	Deep Resources Engineering	Northeastern University
22	Eco-Environment & Health	Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment
23	Biomedical Instrumentation	Xi'an Jiaotong University
24	Bioresources and Bioprocessing	East China University of Science and Technology
25	Digital Twins and Applications	Zhejiang University
26	Sleep Research	Chinese Sleep Research Society
27	Systems Microbiology and Biomanufacturing	Jiangnan University
28	Advanced Materials Joining	Harbin Institute of Technology
29	Advanced Sensor and Energy Materials	Changchun Institute of Applied Chemistry, CAS
30	Advanced Powder Materials	Central South University
31	Advanced Photonics Nexus	Shanghai Institute of Optics and Fine Mechanics, CAS
32	Advanced Agrochem	Central China Normal University
33	Cyber-Physical Energy Systems	Guodian Nanjing Automation Co., Ltd.
34	Eye Science	Sun Yat-sen University
35	Pharmacoeconomics and Policy	Xi'an Jiaotong University
36	EngMedicine	Southeast University
37	Medicine Bulletin	Sichuan Academy of Medical Sciences & Sichuan Provincial People's Hospital
38	Translational Exercise Biomedicine	Shanghai Jiao Tong University
39	Smart Underground Engineering	Shandong University
40	Smart Molecules	Dalian University of Technology
41	SmartSys	Beijing Institute of Nanoenergy and Nanosystems
42	Intelligent Geoengineering	Chinese Society for Rock Mechanics



		and Engineering
43	iRadiology	Affiliated Hospital of Guizhou Medical University
44	Resources Chemicals and Materials	Shenyang University of Chemical Technology
45	Journal of Resource Insects	Southwest University
46	Chinese Journal of Semiconductors	Institute of Semiconductors, CAS
47	PhotoniX Integration	Chinese Society for Optical Engineering
48	Journal of Green Building	Architectural Society of China
49	Journal of Biomaterials and Medical Device Research	Chinese Society for Biomaterials
50	Journal of Cybersecurity	ZGC Lab

Note: Number 1-45 are the journals in English; Number 46-50 to be published in Chinese language.

## Appendix 6 Cluster Pilot Projects

	Organizations	Websites	Categories
1	Science Press	<a href="http://sciencecp.com">科学出版社科学出版社官网 (sciencecp.com)</a>	A
2	China Medical Association Publishing House	<a href="http://cmaph.org">中华医学杂志社公司官网 (cmaph.org)</a>	A
3	Higher Education Press	<a href="http://hep.com.cn">高等教育出版社有限公司 (hep.com.cn)</a>	B
4	Tsinghua University Press	<a href="http://tsinghua.edu.cn">清华大学出版社 (tsinghua.edu.cn)</a>	B
5	Rongtong Yijian Journal Publishing		B
6	Youke Publishing	<a href="http://youkepub.com">有科出版 (youkepub.com)出</a>	B
7	China Laser Press	<a href="http://clp.ac.cn">首页-中国激光杂志社 (clp.ac.cn)</a>	B
8	Agricultural Information Institute of CAAS	<a href="http://caas.cn">首页 - 农业信息研究所 (caas.cn)</a>	B
9	Beijing InfoCom Media Group	<a href="http://bjxintong.com.cn">北京信通传媒有限责任公司 (bjxintong.com.cn)</a>	C
10	Zhejiang University Press	<a href="http://zjujournals.com">Zhejiang University Journals (zjujournals.com)</a>	C
11	The Geographical Society of China	<a href="http://gsc.org.cn">首页--中国地理学会 (gsc.org.cn)</a>	C
12	CHINESE SOCIETY FOR ELECTRICAL ENGINEERING	<a href="http://csee.org.cn">欢迎访问中国电机工程学会门户网站 (csee.org.cn)</a>	C
13	China Association of Chinese Medicine	<a href="http://cacm.org.cn">中华中医药学会 (cacm.org.cn)</a>	C