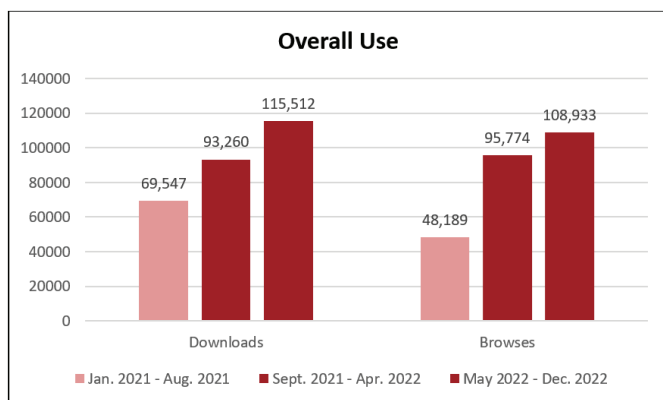
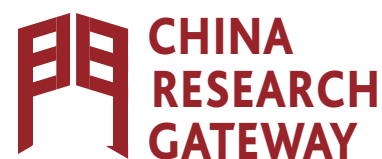


# CHINA RESEARCH SPOTLIGHT

A monthly series from East View that highlights Chinese research and resources on key topics.

## Two Years of North American Research Using Chinese e-Resources

Over the past two decades of working with Chinese publishers, East View saw that Chinese content in science, technology, business, medicine, and other disciplines was largely out of reach for North American researchers. North American libraries acquired Chinese e-resources in a piecemeal fashion, with most institutions having either no Chinese e-resources or only social science and humanities resources. In 2021, East View launched China Research Gateway to make the acquisition of Chinese e-resources simpler and more affordable for North American institutions. After a successful pilot program, East View is proud to offer this program to institutions across North America. Through China Research Gateway (CRG), researchers have access to Chinese content across all disciplines and in numerous formats.



Above chart: download and browsing at 10 participating institutions over three periods: pre-CRG, early pilot, and late pilot.

As of 2023, East View has collected enough usage statistics to begin analyzing the impact of the CRG program. In creating CRG, East View hoped to address three hypotheses about Chinese e-resources: 1) the whole is greater than the sum of its parts, 2) STEM content from China is increasingly accessible, important, and in demand, 3) scholars can and will make use of new and different content types.

The usage statistics for participating institutions are divided across three key periods: the pre-CRG period (January 2021 – August 2021), the early pilot period (September 2021 – April 2022), and the late pilot period (May 2022 – December 2022). These eight-month periods show a steady increase in the use of CRG's resources. The statistics for use in the pre-CRG period

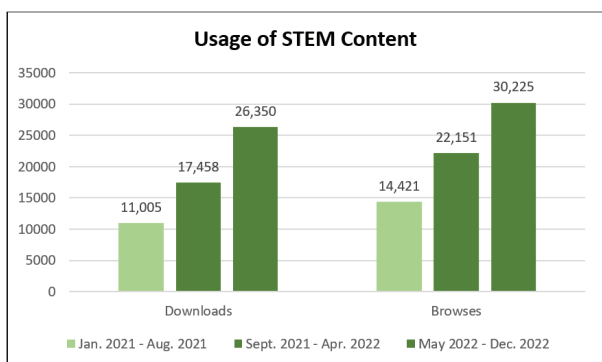
reflect that several institutions had robust use of several of CRG's constituent databases prior to joining CRG. However, these institutions still saw a dramatic increase in use after acquiring the remainder of the databases and East View's English-language CRG Portal. The databases in CRG have significant cross-tagging and many are cross-searchable. In addition, East View's portal encourages researchers to explore new content types with user support in the form of user guides, training videos, and more. As a result, institutions that already had several databases in CRG still saw large usage increases: *the whole is greater than the sum of its parts.*

## North American Interests in STEM Content

CRG contains STEM publications across content types: journals, dissertations, patents, conference proceedings, and others. East View created CRG in the hopes that STEM researchers at all types of North American institutions would integrate these resources into their research process. Consistent with East View's hypothesis that there was demand for Chinese STEM content at North American institutions, CRG prompted a steady increase in the use of Chinese STEM e-resources across public and private research universities, Ivy League universities, and liberal arts colleges.

CRG's usage statistics are divided by series, of which there are six STEM series. As reflected in the table to the left, the most browsed and downloaded of these series across all institutions was the electronic technology and information science series, which includes computer science, software engineering, and other trending areas of STEM research.

The increase in use of STEM content from China suggests that North America-based STEM scholars seek out Chinese research in their fields. In addition, **the use of STEM resources is not only driven by interest in one area (ex. COVID-19), but by several key fields.**



**Above chart:** download and browsing of STEM content in CRG over three periods: pre-CRG, early pilot, and late pilot.

STEM Series by Popularity	
Browses and Downloads	Series Name
29,323	(I) Electronic Technology & Information Science
27,325	(C) Architecture / Energy / Transportation / Electromechanics
21,938	(E) Medicine & Public Health
19,277	(B) Chemistry / Metallurgy / Environment / Mining
13,658	(A) Mathematics / Physics / Mechanics / Astronomy
8,414	(D) Agriculture

**Above table:** STEM series represented in CRG, ranked according to total browses and downloads.

East View intends to refresh this analysis of CRG usage statistics every six months. In the next six months, we hope to present more granular findings across content types. **Please do not hesitate to reach out with particular areas of interest.**

See the below links for further reading on North American and Chinese Research and Development trends.

- **2022-2026 Strategic Plan – U.S. National Science Foundation** <https://www.nsf.gov/pubs/2022/nsf22068/nsf22068.pdf>
- **US unveils changes to attract foreign STEM students amid competition with China – South China Morning Post** <https://www.scmp.com/news/world/united-states-canada/article/3164332/us-unveils-changes-attract-foreign-stem-students>
- **China is Fast Outpacing U.S. STEM PhD Growth – Center for Security and Emerging Technology** <https://cset.georgetown.edu/publication/china-is-fast-outpacing-u-s-stem-phd-growth/>
- **What Can Patent Data Reveal about U.S.-China Technology Competition? – Center for Strategic and International Studies** <https://www.csis.org/analysis/what-can-patent-data-reveal-about-us-china-technology-competition>
- **China's R&D Expenditure Reached 2.79 Trillion Yuan in 2021 – National Bureau of Statistics of China** [http://www.stats.gov.cn/english/PressRelease/202201/t20220127\\_1827065.html](http://www.stats.gov.cn/english/PressRelease/202201/t20220127_1827065.html)



**China Research Gateway (CRG)** presents the full spectrum of Chinese research, with exhaustive representation of STEM, social science, and humanities disciplines. Featuring an unparalleled breadth of sources, including scholarly journals, monographs, statistical publications, government documents, newspapers, dissertations, conference proceedings, patents, and many other content types, CRG offers a centralized means for discovery and access to this rich trove of research, specifically tailored to serve the needs of North American scholars and institutions.