

NANO STATISTICS

Nano Science, Technology and Industry Scoreboard



Publication of the Highest Number of Nanotechnology Articles by Chinese Academy of Sciences

2017-10-05

Analyzing nanotechnology articles of China indicates that during the past 20 years, Chinese Academy of Sciences has published the most nanotechnology articles among the Chinese research centers. The academy has had the most cooperation with the US and Japan at the international level. Three universities among the top five American universities with regard to the publication of nanotechnology articles have been the main choice of Chinese Academy of Sciences for joint projects.

By publishing more than 52,000 nanotechnology articles during the past 20 years, [Chinese Academy of Sciences](#) has published the highest number in [China](#). [Tsinghua University](#) with 10,146 articles, [Zhejiang University](#) with 9059 articles, and [Jilin University](#) with 8590 articles rank 2nd to 4th. In total, Chinese Academy of Sciences has published more nanotechnology articles than all universities that rank 2nd to 6th in the publication of nanotechnology articles in [China](#).

Chinese Academy of Sciences has had the most domestic collaboration with [Peking University](#) with 2714 nanotechnology articles in the past 20 years and then with [National Center for Nanoscience and Technology, China](#) with 2400 joint nanotechnology articles during the past 20 years.

Chinese Academy of Sciences has had the most international collaborations with [University System of Georgia](#) with 569 articles, and [United States](#) Department of Energy with 520 articles and [University of California](#) with 423 articles hold the 2nd and 3rd ranks.

No	University	Number of ISI Articles
1	Chinese Academy of Sciences	52150
2	Tsinghua University	10146
3	Zhejiang University	9059

4	Jilin University	8590
5	Nanjing University	8032
6	University of Science and Technology of China	8021
7	University of Chinese Academy of Sciences	7333
8	Peking University	7171
9	Shanghai Jiao Tong University	6853
10	Fudan University	6793

Analysis of the articles by Chinese Academy of Sciences shows that it has the most international collaboration with the [United States](#) (4439 articles), [Japan](#) (1198 articles), and [Germany](#) (1099 articles). Considering the international status of the [United States](#) in the development of science and technology, the high level of collaborations between the academy and the [United States](#) is quite predictable. [Japan](#), as a neighboring country and due to its strong infrastructure, is the second choice of the academy for international collaborations.

Analyzing nanotechnology articles by the American organizations and universities show that [United States](#) Department of Energy with 28,025 articles, [University of California](#) with 26,395 articles, [University of Florida](#) with 8060 articles, [University System of Georgia](#) with 8025 articles, and [Massachusetts Institute of Technology](#) with 520 articles hold ranks 1st to 5th. As it can be seen, three universities among the top five American universities have had collaborations with Chinese Academy of Sciences.

Chinese Academy of Sciences has had the most collaboration with [National Institute of Materials Science](#) and then with [University of Tokyo](#) in [Japan](#). Analysis of the joint articles of Chinese Academy of Sciences and Japanese universities show a fluctuation while its collaboration with the American universities has had an ever-increasing trend in the past 10 years.

It must be added that Chinese Academy of Sciences has published 157 articles in cooperation with the [United States](#) and [Japan](#) trilaterally, and in fact in the trilateral collaborations, [United States](#) and [Japan](#) have the most share.