Global Innovation Index 2023

Beijing, China

Beijing is the second-ranked cluster, out of 24 Chinese clusters, that falls within the top 100 S&T clusters in 2023. It filed 1,973 PCT applications and published 14,487 scientific articles, both per 1 million inhabitants over the last five years, making it the:

4th largest science and technology cluster in 2023 (down one spot from 2022)

14th S&T cluster by intensity (relative to population density) in 2023 (up four spots from 2022)
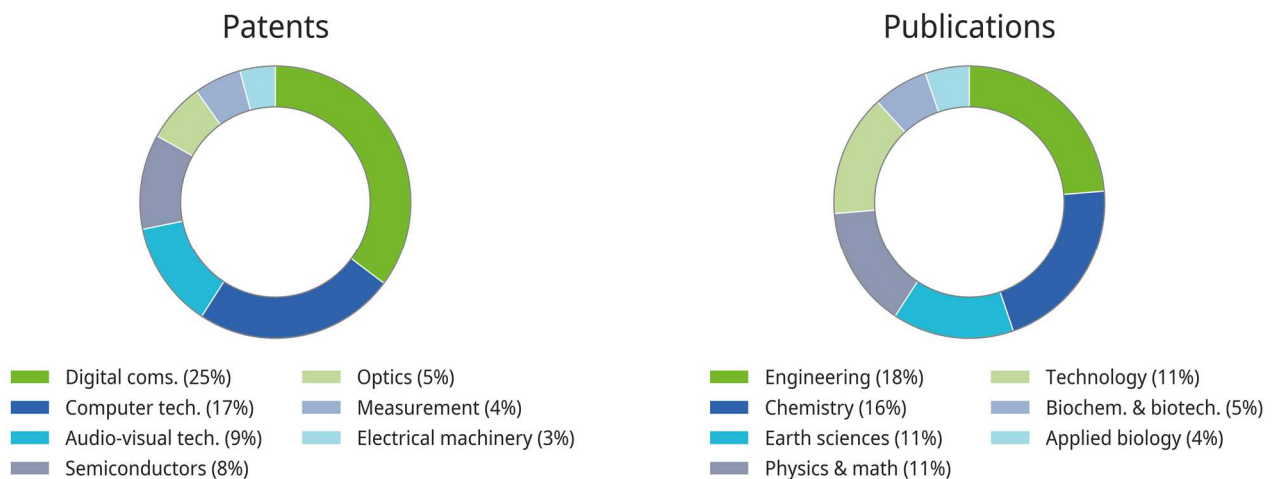
Top PCT applicants

		Patents	Share
1	Boe Technology	9,432	25%
2	Beijing Xiaomi Mobile Software	2,432	6%
3	Beijing Bytedance Network Technology	1,106	3%

Top publishing organizations

		Articles	Share
1	Tsinghua University	23,676	8%
2	Peking University	20,293	7%
3	University of Chinese Academy of Sciences	18,542	7%

Top technology fields in Beijing

Patents

- Digital coms. (25%)
- Computer tech. (17%)
- Audio-visual tech. (9%)
- Semiconductors (8%)
- Optics (5%)
- Measurement (4%)
- Electrical machinery (3%)

Publications

- Engineering (18%)
- Chemistry (16%)
- Earth sciences (11%)
- Physics & math (11%)
- Technology (11%)
- Biochem. & biotech. (5%)
- Applied biology (4%)

16% of Beijing's PCT patent applications are filed in collaboration with other inventors, with San Jose–San Francisco, Tokyo–Yokohama and Los Angeles emerging as the top collaborative locations.

62% of Beijing's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being Shenzhen–Hong Kong–Guangzhou, Shanghai–Suzhou and Nanjing.