



Wuhan, China

Wuhan is the fifth-ranked cluster, out of 24 Chinese clusters, that falls within the top 100 S&T clusters in 2023. It filed **707 PCT applications** and published **10,154 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

13th largest science and technology cluster in 2023 (up two spots from 2022)

38th S&T cluster by intensity (relative to population density) in 2023 (up eight spots from 2022)

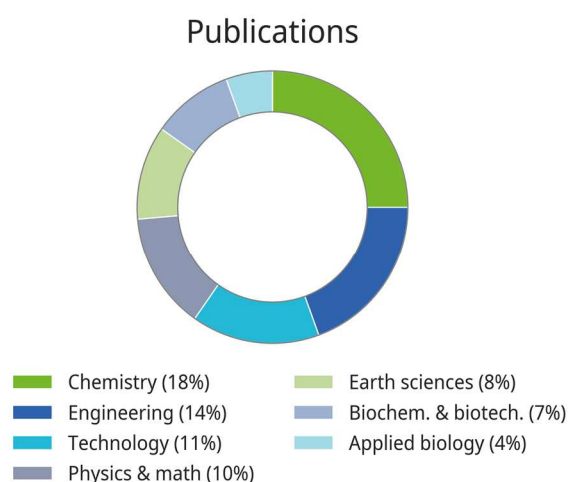
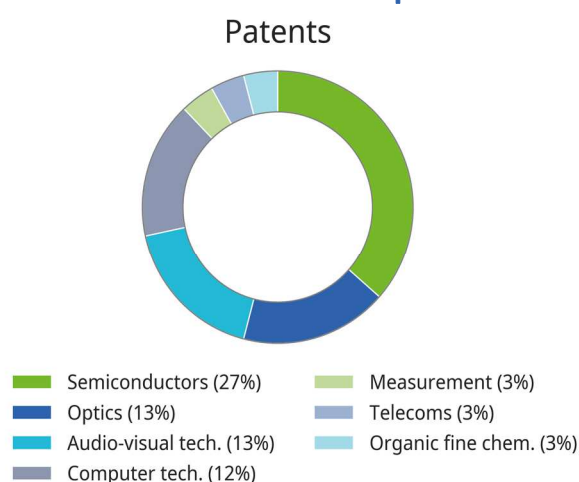
Top PCT applicants

		Patents	Share
1	Wuhan China Star Optoelectronics Seminductor Display Technology	2,102	34%
2	Wuhan China Star Optoelectronics Technology	1,334	21%
3	Huazhong University of Science & Technology	283	5%

Top publishing organizations

		Articles	Share
1	Huazhong University of Science & Technology	25,496	28%
2	Wuhan University	18,454	21%
3	Wuhan University of Technology	7,762	9%

Top technology fields in Wuhan



5% of Wuhan's PCT patent applications are filed in collaboration with other inventors, with **Shenzhen-Hong Kong-Guangzhou**, **Shanghai-Suzhou** and **Beijing** emerging as the top collaborative locations.

57% of Wuhan's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Beijing**, **Shenzhen-Hong Kong-Guangzhou** and **Shanghai-Suzhou**.