



Jinan, China

Jinan is the fifteenth-ranked cluster, out of 24 Chinese clusters, that falls within the top 100 S&T clusters in 2023. It filed **384 PCT applications** and published **8,049 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

55th largest science and technology cluster in 2023 (up two spots from 2022)

59th S&T cluster by intensity (relative to population density) in 2023 (up eight spots from 2022)

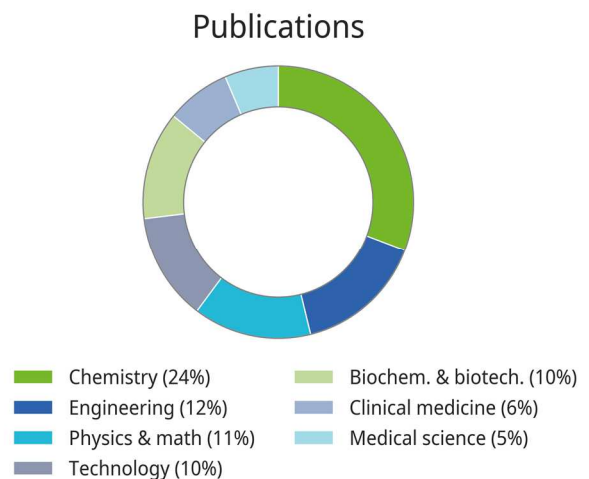
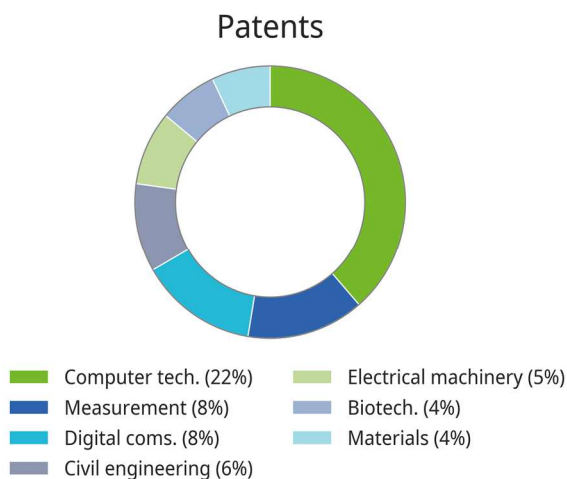
Top PCT applicants

		Patents	Share
1	Shandong University	368	22%
2	Wuhan Douyu Network Technology	190	12%
3	Inspur Electronic Information Industry Co., Ltd	89	5%

Top publishing organizations

		Articles	Share
1	Shandong University	15,656	46%
2	University of Jinan	3,669	11%
3	Shandong Normal University	3,088	9%

Top technology fields in Jinan



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

56% of Jinan's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Beijing**, **Shanghai-Suzhou** and **Qingdao**.