

Global Innovation Index 2024

Xi'an, China



Xi'an is the seventh-ranked cluster, out of 26 Chinese clusters, that falls within the top 100 S&T clusters in 2024. It filed **306 PCT applications** and published **14,997 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

18th largest science and technology cluster in 2024

32nd S&T cluster by intensity (relative to population density) in 2024

Top PCT applicants

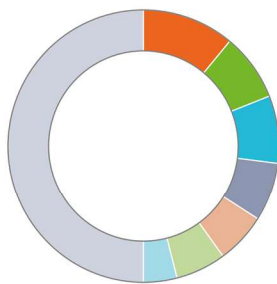
		Patents	Share
1	XIAN THERMAL POWER RESEARCH INSTITUTE	183	9%
2	XI'AN JIAOTONG UNIVERSITY	183	9%
3	SHAANXI LIGHTE OPTOELECTRONICS MATERIAL	111	6%

Top publishing organizations

		Articles	Share
1	XI'AN JIAOTONG UNIVERSITY	24,725	25%
2	NORTHWESTERN POLYTECHNICAL UNIVERSITY	14,081	14%
3	XIDIAN UNIVERSITY	8,966	9%

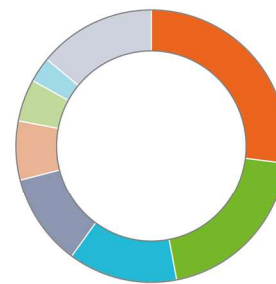
Top technology fields in Xi'an

Patents



Computer tech. (11%)	Semiconductors (6%)
Measurement (8%)	Digital coms. (6%)
Electrical machinery (8%)	Audio-visual tech. (4%)
Medical tech. (7%)	Other (50%)

Publications



Engineering (27%)	Earth sciences (7%)
Chemistry (20%)	Biochem. & biotech. (5%)
Technology (13%)	Clinical medicine (3%)
Physics & math (11%)	Other (14%)

15% of Xi'an's PCT patent applications are filed in collaboration with other inventors, with **Shenzhen-Hong Kong-Guangzhou**, **Beijing** and **Shanghai-Suzhou** emerging as the top collaborative locations.

53% of Xi'an'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**.