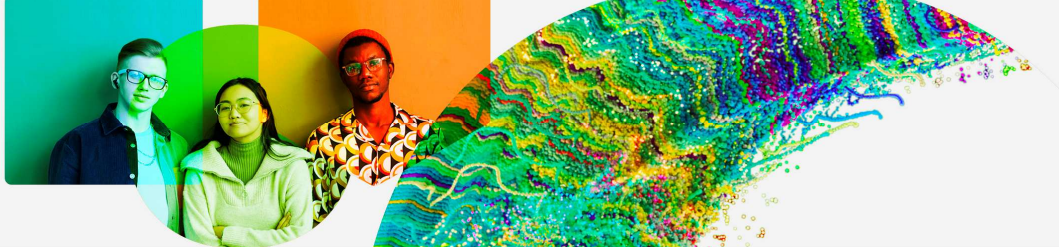


Global Innovation Index 2024



Changchun, China

Changchun is the sixteenth-ranked cluster, out of 26 Chinese clusters, that falls within the top 100 S&T clusters in 2024. It filed **149 PCT applications** and published **11,098 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

58th largest science and technology cluster in 2024

49th S&T cluster by intensity (relative to population density) in 2024

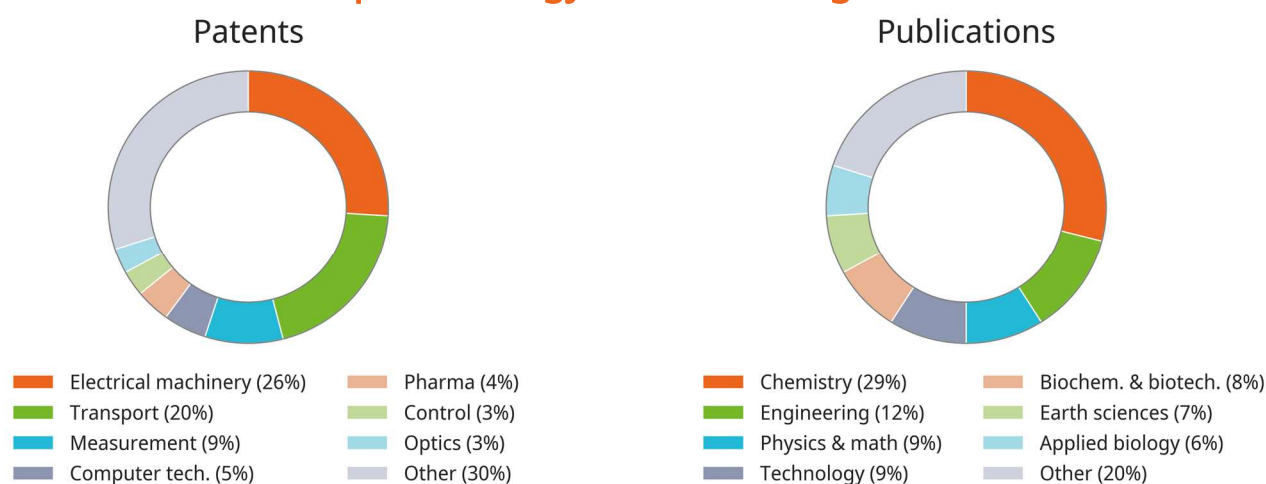
Top PCT applicants

		Patents	Share
1	CRRC CHANGCHUN RAILWAY VEHICLES	117	22%
2	CHANGCHUN JETTY AUTOMOTIVE PARTS CORPORATION	88	16%
3	CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY	69	13%

Top publishing organizations

		Articles	Share
1	JILIN UNIVERSITY	22,454	56%
2	NORTHEAST NORMAL UNIVERSITY - CHINA	3,667	9%
3	CHANGCHUN INSTITUTE OF APPLIED CHEMISTRY, CAS	2,346	6%

Top technology fields in Changchun



13% of Changchun's PCT patent applications are filed in collaboration with other inventors, with **Beijing**, **Shenzhen-Hong Kong-Guangzhou** and **Shanghai-Suzhou** emerging as the top collaborative locations.

52% of Changchun'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**.