



Dalian, China

Dalian is the eighteenth-ranked cluster, out of 24 Chinese clusters, that falls within the top 100 S&T clusters in 2023. It filed **306 PCT applications** and published **7,735 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

69th largest science and technology cluster in 2023 (unchanged from 2022)

67th S&T cluster by intensity (relative to population density) in 2023 (up eight spots from 2022)

Top PCT applicants

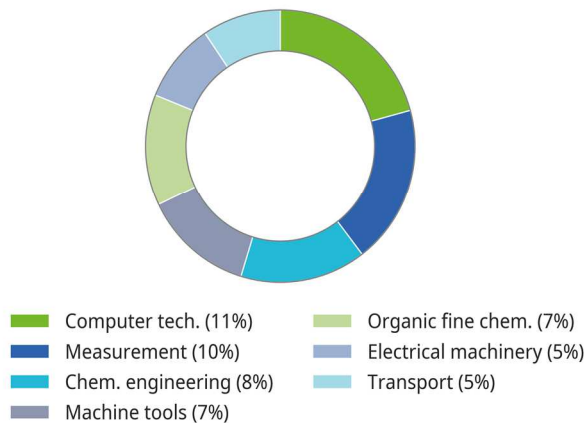
		Patents	Share
1	Dalian University of Technology	568	52%
2	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	145	13%
3	Shenzhen Eaglesoul Technology Co., Ltd.	36	3%

Top publishing organizations

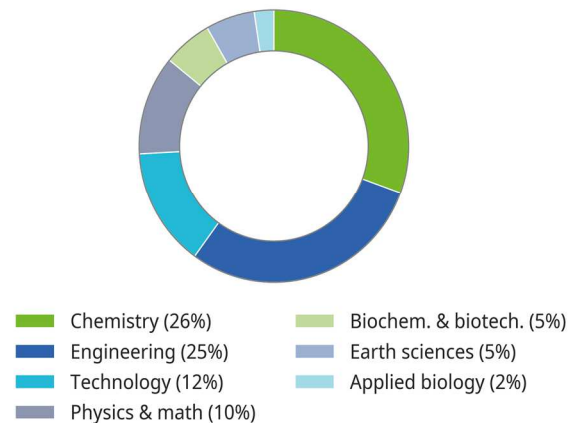
		Articles	Share
1	Dalian University of Technology	14,039	51%
2	Dalian Institute of Chemical Physics, Cas	2,565	9%
3	Dalian Maritime University	2,493	9%

Top technology fields in Dalian

Patents



Publications



12% of Dalian'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.

60% of Dalian'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**.