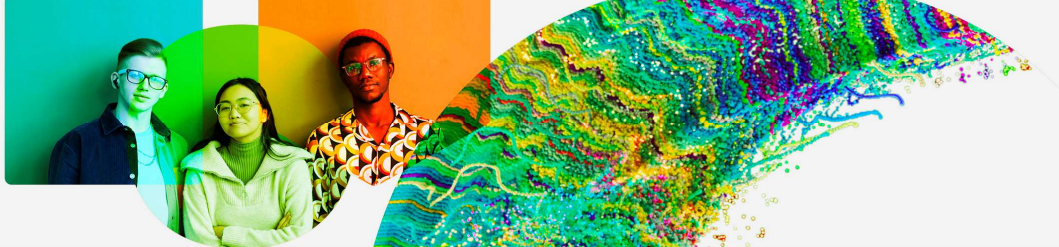


Global Innovation Index 2024

Qingdao, China



Qingdao is the eighth-ranked cluster, out of 26 Chinese clusters, that falls within the top 100 S&T clusters in 2024. It filed **1,742 PCT applications** and published **9,697 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

20th largest science and technology cluster in 2024

23rd S&T cluster by intensity (relative to population density) in 2024

Top PCT applicants

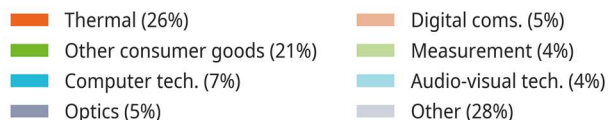
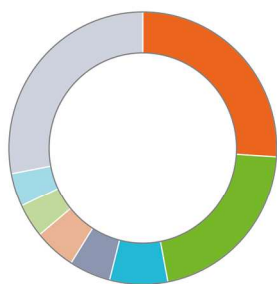
		Patents	Share
1	QINGDAO HAIER AIR CONDITIONER GENERAL	2,131	25%
2	QINGDAO HAIER WASHING MACHINE	881	10%
3	QINGDAO HAIER REFRIGERATOR	732	9%

Top publishing organizations

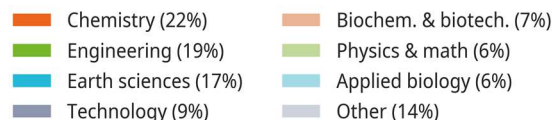
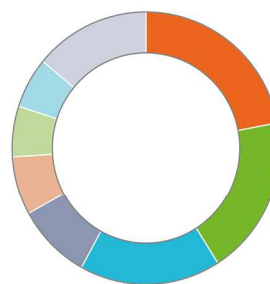
		Articles	Share
1	QINGDAO UNIVERSITY	7,510	16%
2	OCEAN UNIVERSITY OF CHINA	6,710	14%
3	CHINA UNIVERSITY OF PETROLEUM	6,496	14%

Top technology fields in Qingdao

Patents



Publications



2% of Qingdao's PCT patent applications are filed in collaboration with other inventors, with **Beijing, Tokyo-Yokohama** and **Hangzhou** emerging as the top collaborative locations.

63% of Qingdao's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Beijing, Shanghai-Suzhou** and **Jinan**.