



Seoul, Republic of Korea

Seoul is the top-ranked cluster, out of 4 Korean clusters, that falls within the top 100 S&T clusters in 2023. It filed **2,400 PCT applications** and published **5,054 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

3rd largest science and technology cluster in 2023 (up one spot from 2022)

25th S&T cluster by intensity (relative to population density) in 2023 (up four spots from 2022)

Top PCT applicants

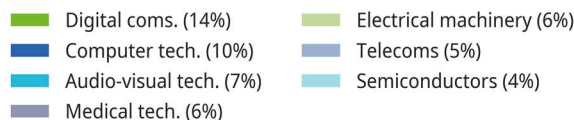
		Patents	Share
1	Samsung Electronics	11,933	19%
2	LG Electronics	10,710	17%
3	LG Innotek	1,326	2%

Top publishing organizations

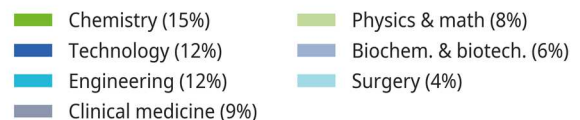
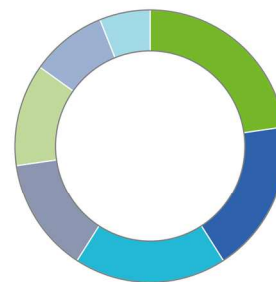
		Articles	Share
1	Seoul National University	10,643	8%
2	Korea University	7,700	6%
3	Yonsei University	7,215	5%

Top technology fields in Seoul

Patents



Publications



10% of Seoul's PCT patent applications are filed in collaboration with other inventors, with **Daejeon**, **Busan** and **Daegu** emerging as the top collaborative locations.

43% of Seoul's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Daejeon**, **Busan** and **Daegu**.