

Global Innovation Index 2024



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 2024. It filed **2,542 PCT applications** and published **5,320 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

4th largest science and technology cluster in 2024

22nd S&T cluster by intensity (relative to population density) in 2024

Top PCT applicants

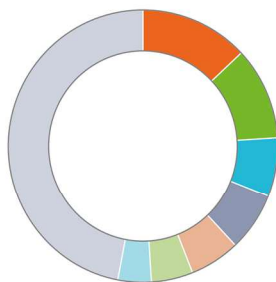
		Patents	Share
1	SAMSUNG ELECTRONICS	13,424	20%
2	LG ELECTRONICS	10,904	16%
3	LG INNOTEK	1,350	2%

Top publishing organizations

		Articles	Share
1	SEOUL NATIONAL UNIVERSITY	13,594	10%
2	SUNGKYUNKWAN UNIVERSITY	8,626	6%
3	KOREA UNIVERSITY	7,410	5%

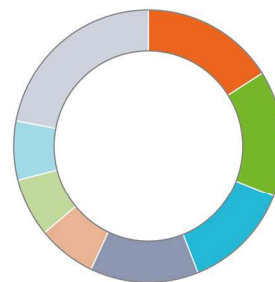
Top technology fields in Seoul

Patents



Digital coms. (13%)	Electrical machinery (6%)
Computer tech. (11%)	Telecoms (5%)
Audio-visual tech. (7%)	Semiconductors (4%)
Medical tech. (7%)	Other (47%)

Publications



Chemistry (16%)	Surgery (7%)
Engineering (15%)	Physics & math (7%)
Clinical medicine (13%)	Biochem. & biotech. (7%)
Technology (13%)	Other (22%)

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.

42% of Seoul's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Daejeon, Daegu** and **Busan**.