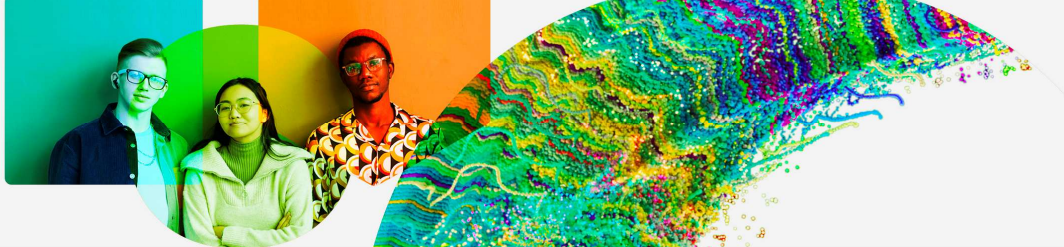


Global Innovation Index 2024



Daejeon, Republic of Korea

Daejeon is the second-ranked cluster, out of 4 Korean clusters, that falls within the top 100 S&T clusters in 2024. It filed **5,109 PCT applications** and published **9,630 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

17th largest science and technology cluster in 2024

7th S&T cluster by intensity (relative to population density) in 2024

Top PCT applicants

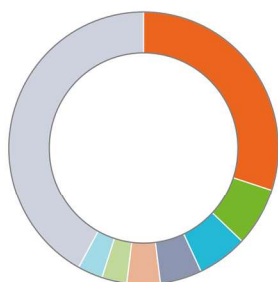
		Patents	Share
1	LG CHEM	4,744	34%
2	LG ENERGY SOLUTION	3,113	22%
3	KAIST	461	3%

Top publishing organizations

		Articles	Share
1	KAIST	7,138	27%
2	CHUNGNAM NATIONAL UNIVERSITY	3,737	14%
3	KOREA ATOMIC ENERGY RESEARCH INSTITUTE (KAERI)	843	3%

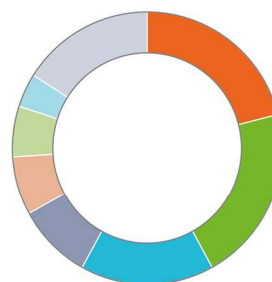
Top technology fields in Daejeon

Patents



Electrical machinery (30%)	Semiconductors (4%)
Molecular chem. (7%)	Chem. engineering (3%)
Measurement (6%)	Pharma (3%)
Organic fine chem. (5%)	Other (42%)

Publications



Engineering (21%)	Earth sciences (7%)
Chemistry (21%)	Biochem. & biotech. (6%)
Technology (16%)	Clinical medicine (4%)
Physics & math (9%)	Other (16%)

23% of Daejeon's PCT patent applications are filed in collaboration with other inventors, with **Seoul, Daegu** and **Jeonju** emerging as the top collaborative locations.

67% of Daejeon's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Seoul, Daegu** and **Busan**.