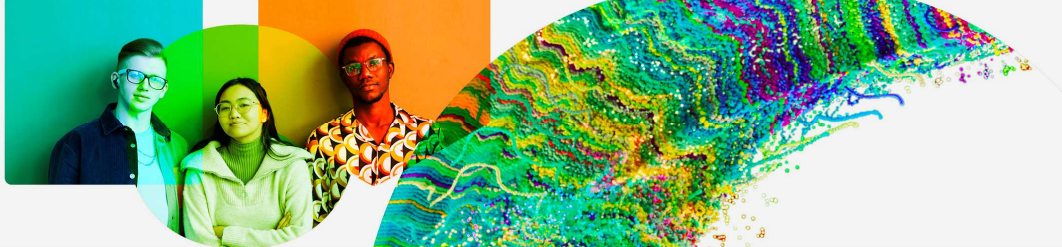


Global Innovation Index 2024



Tokyo–Yokohama, Japan

Tokyo–Yokohama is the top-ranked cluster, out of 3 Japanese clusters, that falls within the top 100 S&T clusters in 2024. It filed **3,712 PCT applications** and published **3,231 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

1st largest science and technology cluster in 2024

15th S&T cluster by intensity (relative to population density) in 2024

Top PCT applicants

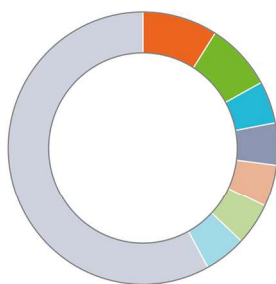
		Patents	Share
1	MITSUBISHI ELECTRIC	11,894	9%
2	NTT	7,201	5%
3	SONY	6,399	5%

Top publishing organizations

		Articles	Share
1	UNIVERSITY OF TOKYO	17,036	14%
2	TOKYO INSTITUTE OF TECHNOLOGY	5,432	5%
3	KEIO UNIVERSITY	4,420	4%

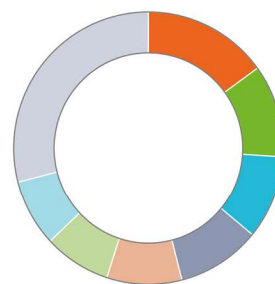
Top technology fields in Tokyo–Yokohama

Patents



Computer tech. (9%)	Audio-visual tech. (5%)
Electrical machinery (8%)	Medical tech. (5%)
Digital coms. (5%)	Optics (5%)
Measurement (5%)	Other (58%)

Publications



Chemistry (15%)	Engineering (9%)
Physics & math (11%)	Surgery (8%)
Technology (10%)	Biochem. & biotech. (8%)
Clinical medicine (10%)	Other (29%)

7% of Tokyo–Yokohama’s PCT patent applications are filed in collaboration with other inventors, with **Osaka–Kobe–Kyoto, Beijing** and **Nagoya** emerging as the top collaborative locations.

55% of Tokyo–Yokohama’s scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Osaka–Kobe–Kyoto, Nagoya** and **Sendai**.