



Tokyo–Yokohama, Japan

Tokyo–Yokohama is the top-ranked cluster, out of 4 Japanese clusters, that falls within the top 100 S&T clusters in 2023. It filed **3,520 PCT applications** and published **3,178 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

1st largest science and technology cluster in 2023 (unchanged from 2022)

18th S&T cluster by intensity (relative to population density) in 2023 (up three spots from 2022)

Top PCT applicants

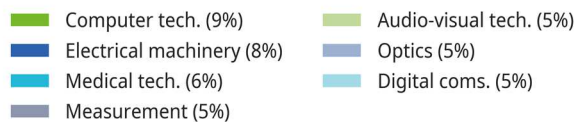
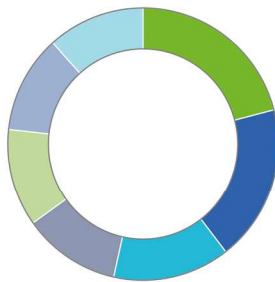
		Patents	Share
1	Mitsubishi Electric	12,507	10%
2	Sony	6,465	5%
3	Ntt	5,565	4%

Top publishing organizations

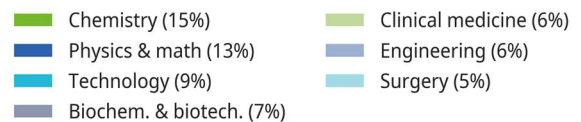
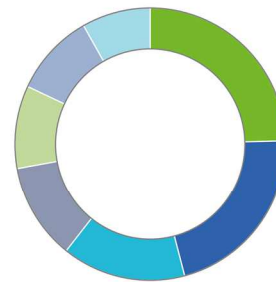
		Articles	Share
1	University of Tokyo	17,584	15%
2	Tokyo Institute of Technology	5,654	5%
3	Keio University	4,550	4%

Top technology fields in Tokyo–Yokohama

Patents



Publications



8% of Tokyo–Yokohama’s PCT patent applications are filed in collaboration with other inventors, with **Osaka–Kobe–Kyoto, Beijing** and **Mito** emerging as the top collaborative locations.

54% 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**.