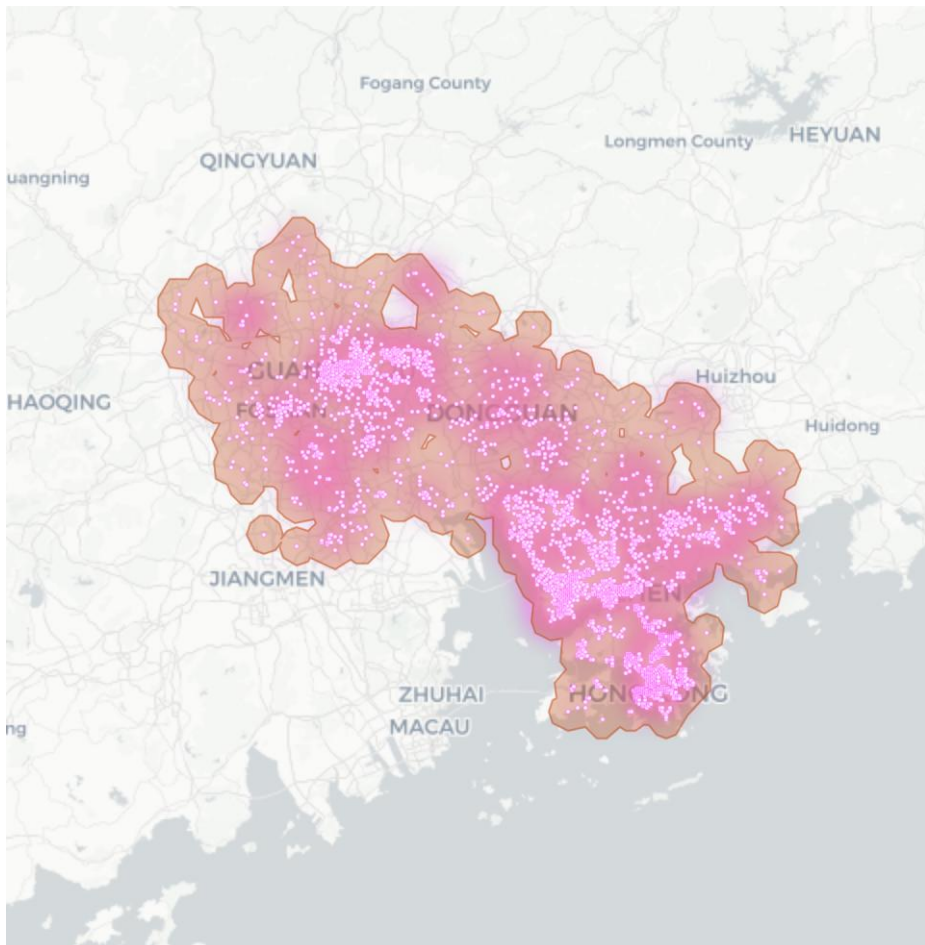


Shenzhen–Hong Kong– Guangzhou

Shenzhen–Hong Kong–Guangzhou is a multi-cluster spanning an area around Shenzhen–Hong Kong–Guangzhou. Over the most recent five-year period, the cluster accounted for, on a fractional basis, **120,095 PCT applications** and **215,866 scientific articles**, as well as **7,328 venture capital deals**, making it:

1st in the World's Top 100 Innovation Cluster
Rankings for 2026

(Also the 44th innovation cluster by intensity)



Note: Points represent the location of an inventor, author, or VC deal. Map created with Leaflet. Map data © OpenStreetMap contributors, © CARTO
Source: WIPO Statistics Database, June 2026.

Global Innovation Index 2026

Powering entrepreneurs at the frontier of science



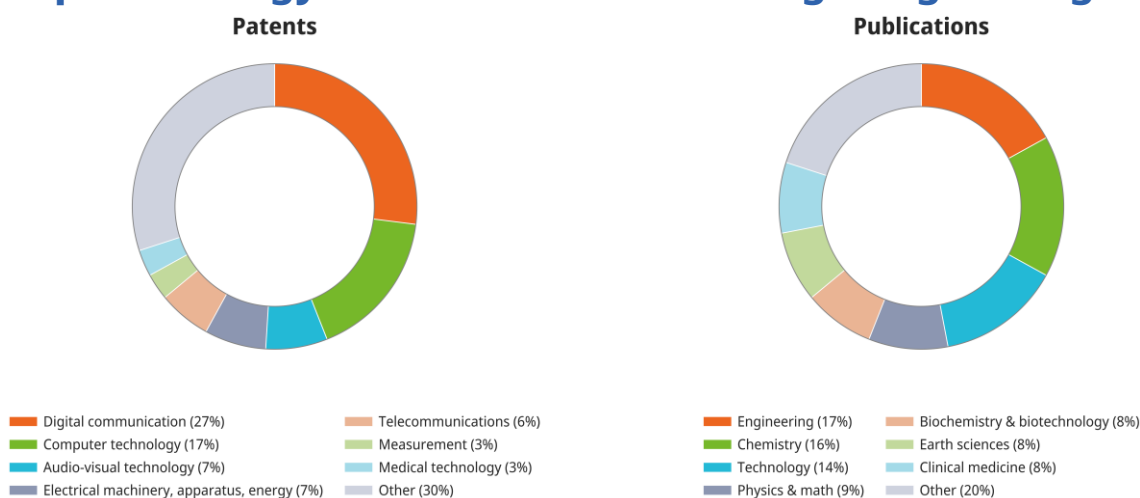
Top PCT applicants

		Patents ²	Share
1	HUAWEI	31,544	26%
2	ZTE	7,745	6%
3	OPPO	7,568	6%

Top publishing organizations

		Articles ²	Share
1	SUN YAT-SEN UNIVERSITY	18,150	14%
2	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	13,508	10%
3	SHENZHEN UNIVERSITY	7,707	6%

Top technology fields in Shenzhen-Hong Kong-Guangzhou



4% of Shenzhen-Hong Kong-Guangzhou's PCT patent applications are filed in collaboration with other inventors located outside the cluster, with **Shanghai-Suzhou**, **Beijing** and **Singapore** emerging as the top collaborative locations.

74% of Shenzhen-Hong Kong-Guangzhou's scientific articles are published in collaboration with other organizations located outside the cluster, with the top three collaborating locations being **Beijing**, **Shanghai-Suzhou** and **Wuhan**.

Estimated cluster population	53,163,094				
Innovation Metric	Five-year total (#)			With multiple inventors/authors (#)	
	Unique count ¹	Fractional count ²	Per 1 million inhabitants	Total	External collaborator(s)
PCT applications	122,752	120,095	2,259	95,053	5,034
Scientific publications	396,967	215,866	4,060	394,279	293,345
Venture capital deals	7,328	n/a	138	n/a	n/a

¹ Distinct count of patents/articles involving local inventors/authors (non-additive). ² Sum of fractional shares based on local inventor/author counts, preventing double-counting.