Global Innovation Index 2026
Powering entrepreneurs at the frontier of science

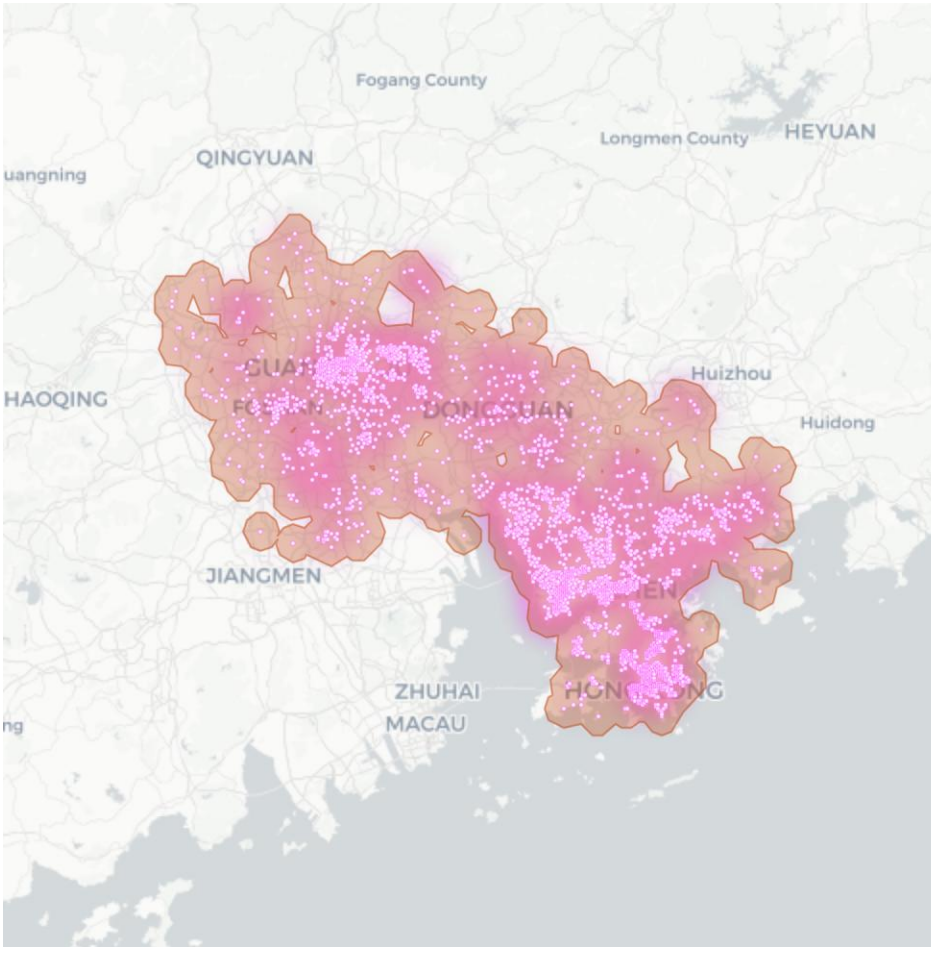


# Shenzhen–Hong Kong–Guangzhou

Shenzhen–Hong Kong–Guangzhou is a multi-cluster spanning an area around China and Hong Kong, China. Over the most recent five-year period, this cluster filed a total of **122,752 PCT applications**, published **396,967 scientific articles** and had **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.
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Source: WIPO Statistics Database, June 2026.



## Top PCT applicants

| | | Patents | Share |
|---|---|---|---|
| **1** | HUAWEI TECHNOLOGIES CO., LTD. | 31,544 | 26% |
| **2** | ZTE CORPORATION | 7,745 | 6% |
| **3** | GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD | 7,568 | 6% |

## Top publishing organizations

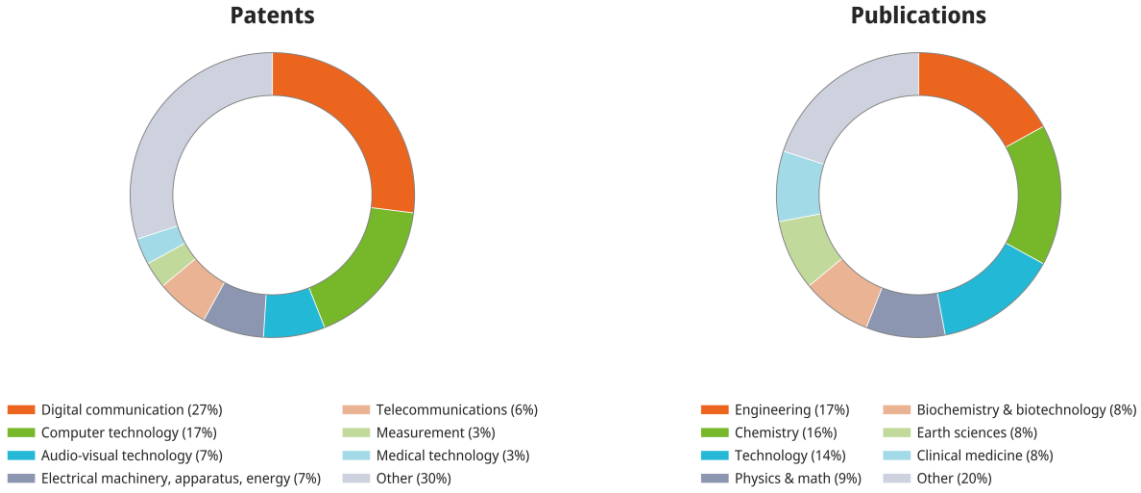
| | | Articles | Share |
|---|---|---|---|
| **1** | SUN YAT SEN UNIVERSITY | 18,150 | 14% |
| **2** | SOUTH CHINA UNIVERSITY OF TECHNOLOGY | 13,508 | 10% |
| **3** | SHENZHEN UNIVERSITY | 7,707 | 6% |

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## 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 (#) | | | Collaborative outputs (#) | |
|---|---|---|---|---|---|
| | Unique count | Fractional count | Per 1 million inhabitants | Total | Outside cluster |
| **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 |



Visit the dedicated cluster landing page for the full report and cluster-briefs: https://www.wipo.int/en/web/global-innovation-index/2026/innovation-clusters