

## Houston, United States

Houston is the eighth-ranked cluster, out of 21 American clusters, that falls within the top 100 S&T clusters in 2023. It filed **1,383 PCT applications** and published **4,020 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

**28<sup>th</sup>** largest science and technology cluster in 2023 (down four spots from 2022)

**48<sup>th</sup>** S&T cluster by intensity (relative to population density) in 2023 (down one spot from 2022)

### Top PCT applicants

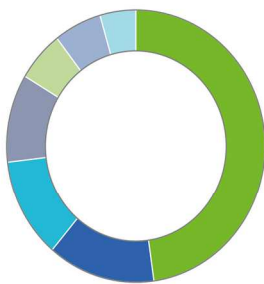
		Patents	Share
1	Halliburton	1,135	13%
2	Baker Hughes, A Ge Company	964	11%
3	Hewlett-Packard	650	8%

### Top publishing organizations

		Articles	Share
1	Utmd Anderson Cancer Center	6,022	24%
2	Baylor College of Medicine	5,529	22%
3	University of Houston	3,077	13%

### Top technology fields in Houston

Patents



Civil engineering (32%)	Pharma (4%)
Measurement (9%)	Chem. engineering (4%)
Basic materials chemistry (8%)	Mechanical elements (3%)
Computer tech. (7%)	

Publications



Clinical medicine (19%)	Technology (6%)
Surgery (11%)	Chemistry (6%)
Biochem. & biotech. (8%)	Fundamental biology (5%)
Medical science (6%)	

**24%** of Houston's PCT patent applications are filed in collaboration with other inventors, with **Taipei-Hsinchu**, **San Jose-San Francisco** and **New York City** emerging as the top collaborative locations.

**72%** of Houston's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **New York City**, **Boston-Cambridge** and **Washington**.