

Appendix A. Tables 3A. and 3B use THE's subject category Medicine & Dentistry; Table C uses SciVal and InCites Coronavirus Coronavirus topics.

TABLE A: Comparison of Medicine & Citation rankings between 2021 and 2022.

The lower the rank, the better the rankings. We can see that Southern U of Science & Technology, Huazhong U of Science & Technology, and Wuhan U show the greatest change in ranks

| Institution | 2021 | 2022 |
|----------------------------------|------------|-----------|
| Southern U Sci & Tech | 170 | 24 |
| Tsinghua U | 286 | 158 |
| Peking U | 252 | 202 |
| Shenzhen U | 260 | 126 |
| Fudan U | 271 | 233 |
| Huazhong U Sci & Tech | 368 | 86 |
| Wuhan U | 411 | 93 |
| Shanghai Jiao Tong U | 444 | 431 |
| Zhejiang U | 455 | 435 |
| Nanjing U | 253 | 280 |
| Nankai U | 230 | 236 |

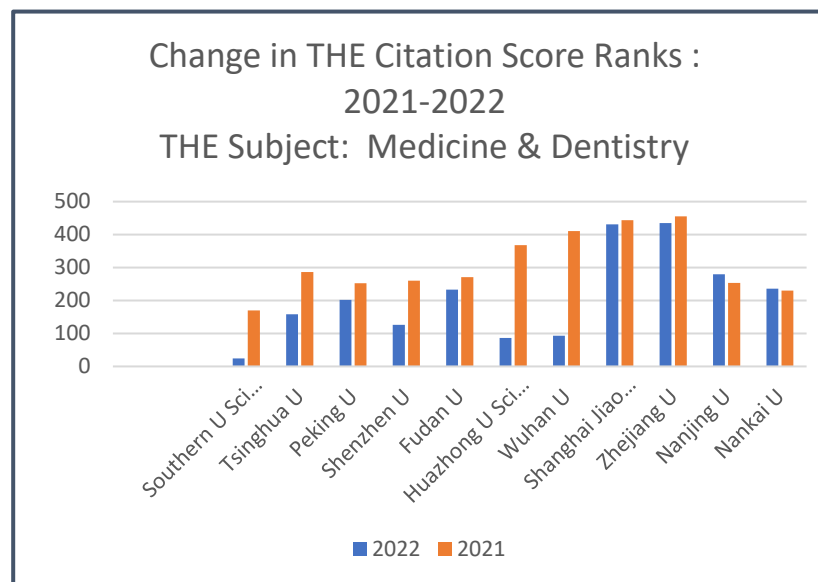


Table 3A compares the performance rankings of Chinese universities in research and citations for the Medicine and Dentistry subject category. Universities ranked highest in Research have higher overall rankings than those ranked higher in Citations. The research rankings for the top five outperform the universities' overall ranks while their citation ranks are below the universities' overall ranks. **Table 3A** compares the performance rankings of top 5 Chinese universities in predefined categories for Covid-19 from Elsevier's SciVal and Clarivate's InCites on a variety of different metrics.

Elsevier has a Topic Cluster COVID-19; SARS-CoV-2; Coronavirus TC.1500 accessible in SciVal. Clarivate has a Micro Citation topic Covid 1.104.1353 accessible in Incites Benchmarking & Analysis.

TABLE 3B: Research and Citation Ranks for Medicine and Dentistry 2022

| | 2022 Overall | Research Rank | Cite Rank |
|-----------------------------|--------------|---------------|------------|
| Tsinghua | 16 | 5 | 158 |
| Peking | 16 | 6 | 202 |
| Fudan | 60 | 44 | 233 |
| Zhejiang | 75 | 42 | 435 |
| Shanghai Jiao Tong U | 84 | 35 | 431 |
| Nanjing | 105 | 83 | 280 |
| Wuhan | 157 | 190 | 93 |
| Southern U S & T | 162 | 171 | 24 |
| Huazhong U S & T | 181 | 183 | 86 |
| Nankai | 301 | 353 | 236 |
| Shenzhen | 351 | 342 | 126 |

Table 3C: Performance of universities in SciVal and Incites Covid-specific categories

Below are the top five institutions on selected metrics from the September 2021 updates

| Citations | Publications | Views | Cites/Paper | Intl Collaborati | Impact Relative to the World |
|------------------------|-------------------|-----------------|---------------------------|------------------|------------------------------|
| Huazhong | Harvard | Huazhong | Capital Med | Harvard | Peking U Med |
| Wuhan | Huazhong | Harvard | U Hong Kong | Huazhong | Capital Med |
| Harvard | U C London | Wuhan | Wuhan | UCL | U HK |
| Capital Medical | Wuhan U | UCL | Sun Yat-sen | Toronto | Charité |
| U Hong Kong | U Toronto | Oxford | Charité Med Berlin | Ntl U Singapore | Humboldt |

Top 5 in Incites and not SciVal: Peking Union Medical , Citations and Citations per paper; Zhejiang and Fudan, Publications; and Humboldt U Berlin , Citations per paper.