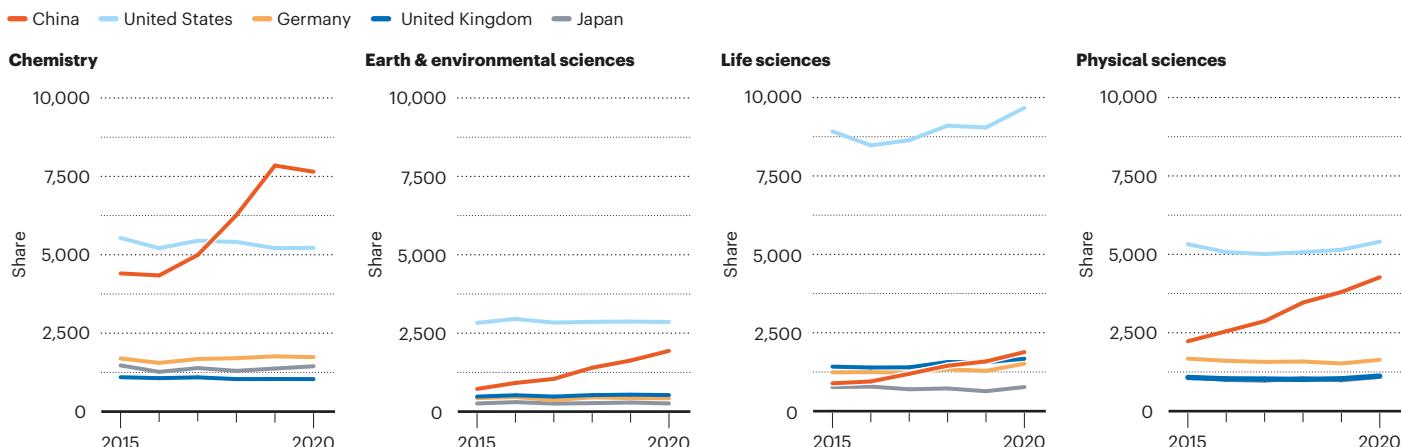


Superpowered science

Charting China's research rise. Data analysis by Bo Wu.
Infographic by Tanner Maxwell and Catherine Armitage.

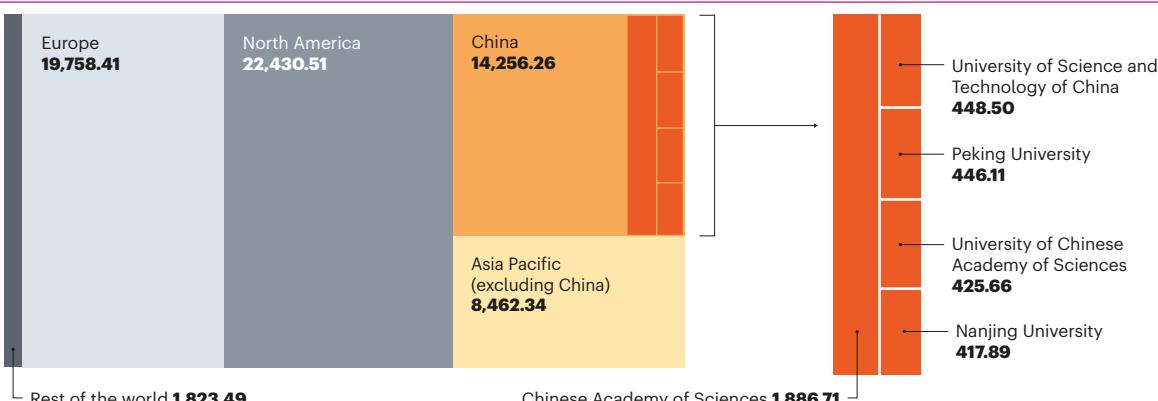
CLOSING THE GAPS

China surpassed the United States in chemistry in 2018 and is approaching it in Earth and environmental sciences and physical sciences according to Share.



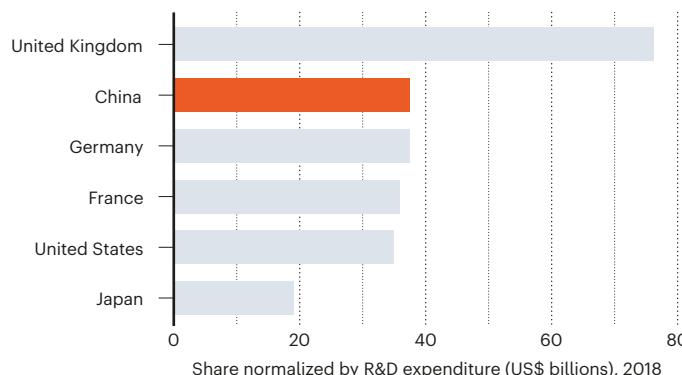
OUTPUT BY SHARE 2020

Between them, China's leading five institutions account for 25% of the country's Share.



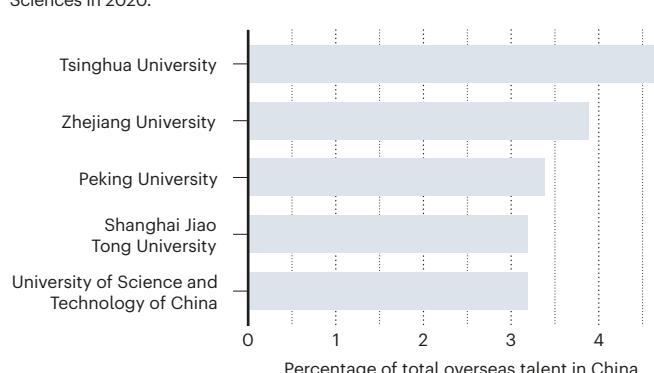
RETURN ON INVESTMENT

For every US\$ billion spent on research and development, China achieves 37.47 worth of Share, in the mid-range of efficiency among the leading 6 nations in the Nature Index.



TALENT MAGNETS

Among Chinese institutions, Tsinghua University has attracted the largest proportion of researchers from outside China over the past 25 years, even though it was displaced from China's leading 5 overall by the University of Chinese Academy of Sciences in 2020.



AREAS OF STRENGTH

Shown here are the 10 areas of China with the highest output by Share in the Nature Index in 2020, making clear the concentration of high-performing research institutions in the east of the country. The strongest-performing institution for each of the 10 areas is also shown. Six of these 10 are also among the 10 leading institutions in China overall. The country's leading institution by Share, the Chinese Academy of Sciences, is not shown because its affiliated institutions are dispersed throughout China, as is its output.

