

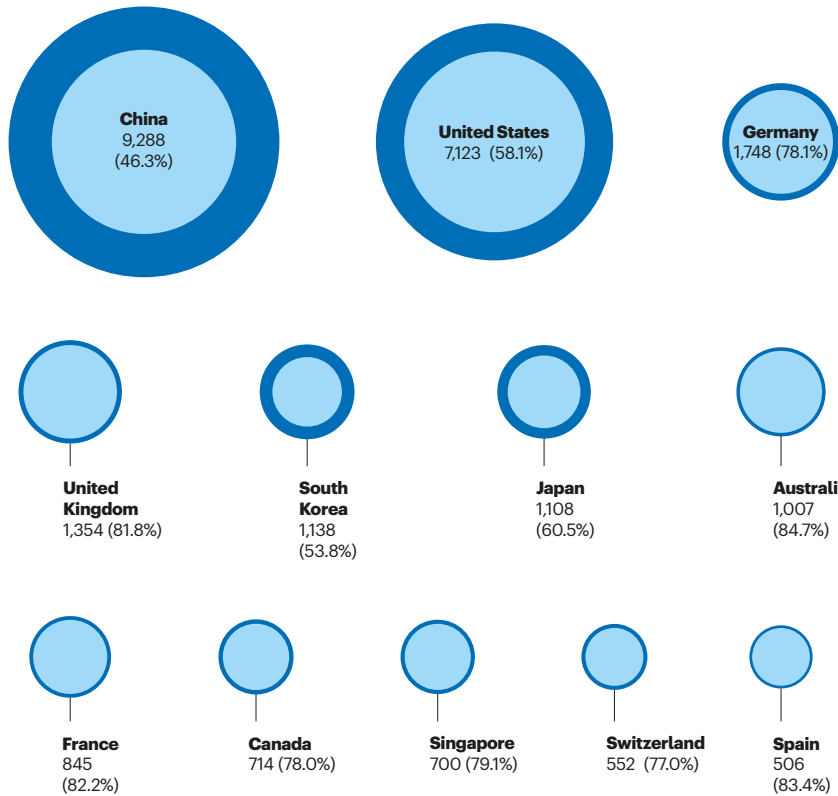
# Power couples

A broad and narrow look at the collaborations in affordable- and clean-energy research. **Data analysis by Catherine Cheung.**  
**Infographic by Tanner Maxwell and Bec Crew.**

## CALCULATING COUNT

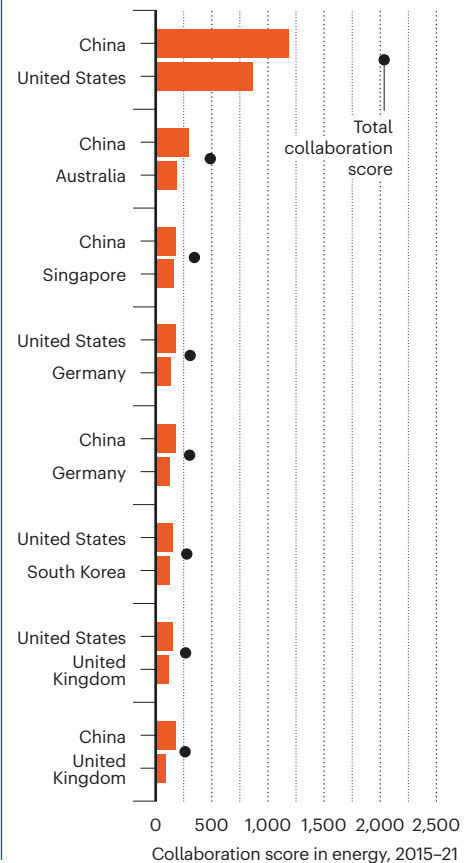
The leading countries in the Nature Index by number of articles (Count) related to the United Nations' Sustainable Development Goal (SDG) 7 (affordable and clean energy) are shown for the period 2015–21. Numbers in the circles show Count and the proportion of articles with international collaboration. More than 80% of articles published by France, Australia, Spain and the United Kingdom in the field had co-authors in other countries. China, by comparison, is the only country among the leading 30 to publish more articles without international co-authors than with them.

■ Count 2015–21 ■ International Count 2015–21



## COUNTRY COLLABORATORS

The leading country collaborations for 2015–21 in energy-related output, including total and bilateral collaboration scores (CS). Owing to its high article output, China appears frequently in top collaborations, despite having published less than half of its total output (46.3%) with international co-authors.



## CLOSE CONNECTIONS

The three leading collaborations with international partners are shown for 2015–21. The Georgia Institute of Technology, in Atlanta, is a prolific American collaborator with Chinese institutions. It appears with five Chinese institutions in the leading 30 international collaborations.

