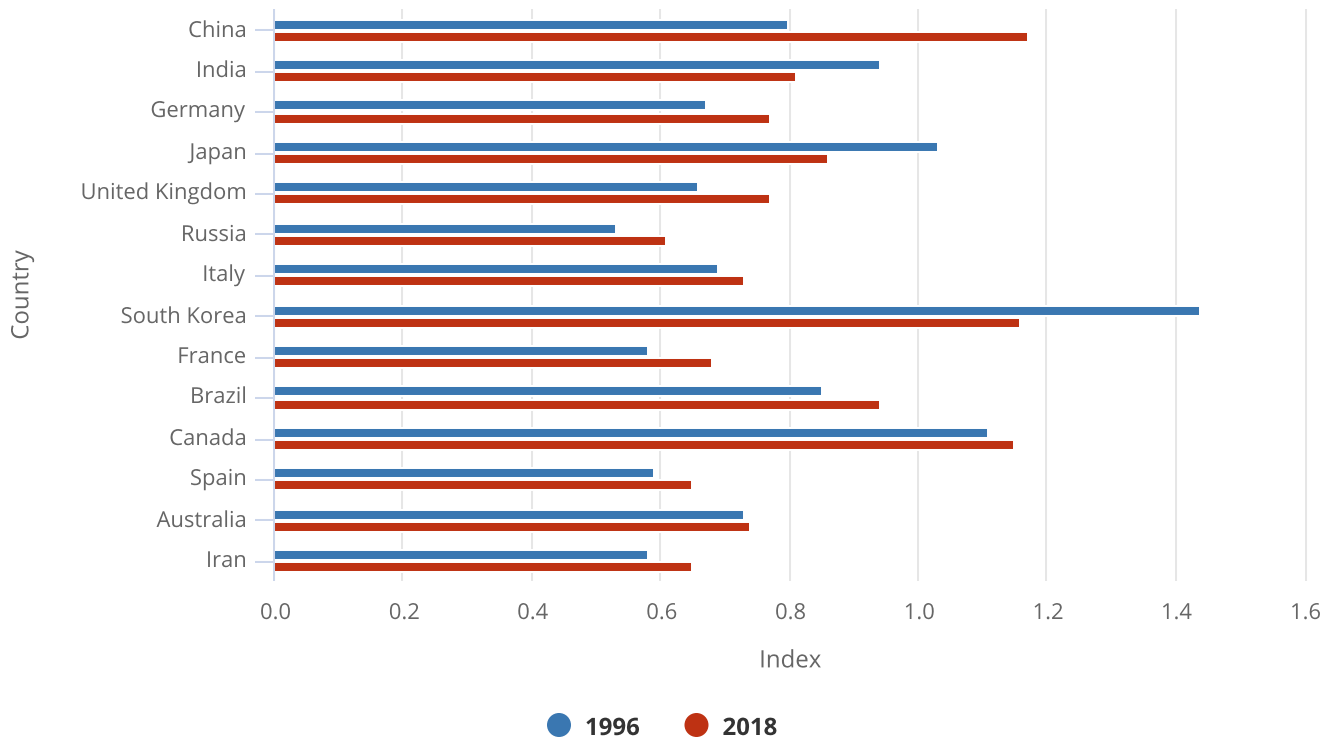


FIGURE 5A-8

U.S. indexes of internationally coauthored S&E publications with other large-producing countries: 1996 and 2018



Note(s)

Article counts for computing the index refer to publications from a selection of journals and conference proceedings in S&E from Scopus. Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of the author(s) listed in the article. Articles are credited on a whole-count basis (i.e., each collaborating region, country, or economy is credited with one count). Regions, countries, or economies that have contributed to less than 1% of all internationally coauthored articles in 2018 are omitted. The index of collaboration is calculated as follows: $IC_{xy} = (C_{xy}/C_x)/(C_y/C_w)$, where IC_{xy} is the index of collaboration between country x and country y , C_{xy} is the number of papers coauthored between country x and country y , C_x is the total number of international coauthorships by country x , C_y is the total number of international coauthorships by country y , and C_w is the total number of international coauthorships in the database. For additional countries see Table S5a-34.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed June 2019.