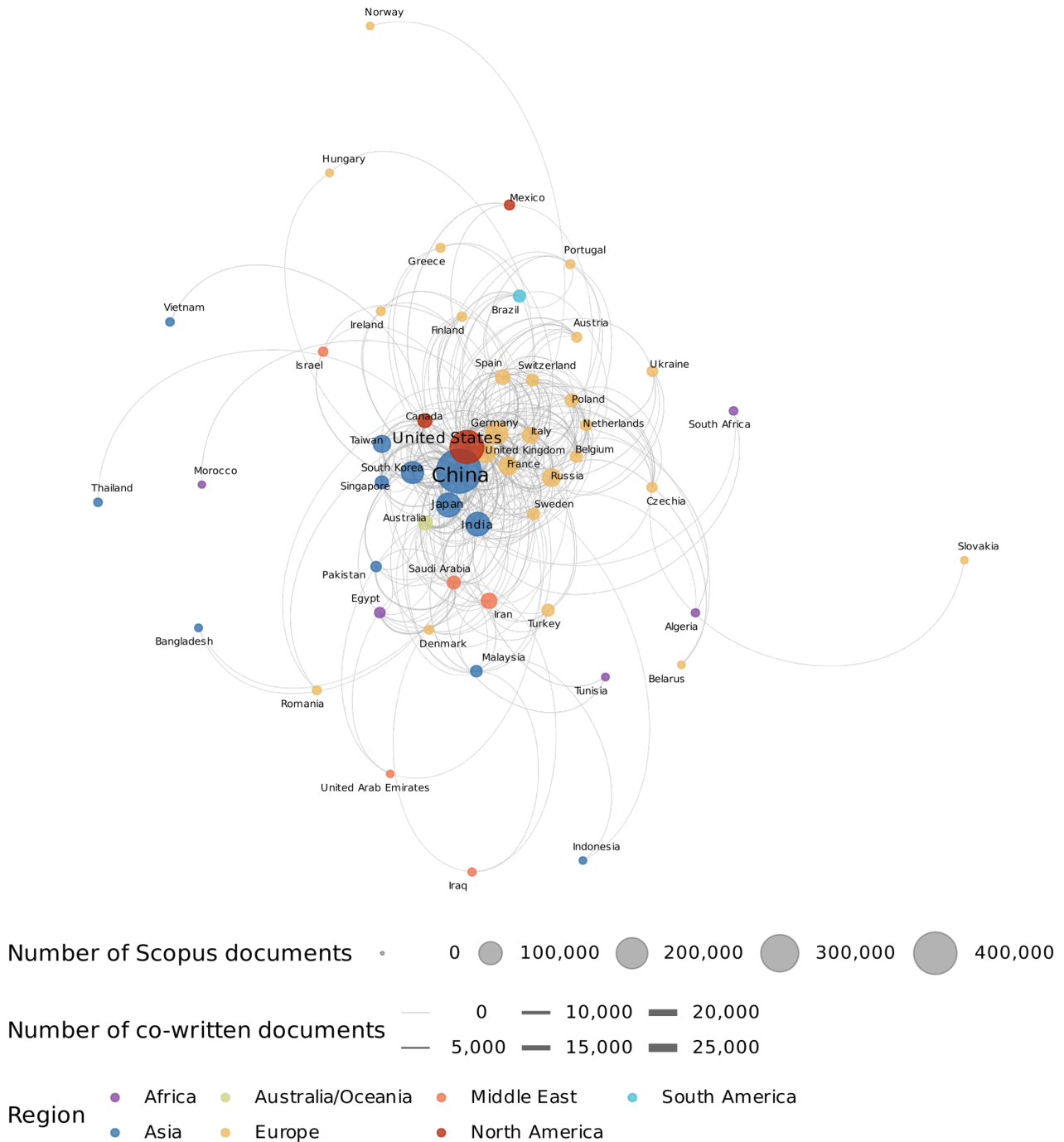


Figure A. Semiconductors collaboration network, by selected region, country, or economy pairs: 2002–24



Note(s):

This network diagram shows the number of coauthored articles by all pairs of regions, countries, or economies within the top 60 producers of semiconductor-related research based on whole counting for those pairs that cowrote 400 articles or more. Semiconductor article counts refer to publications algorithmically fingerprinted under semiconductors from conference proceedings and peer-reviewed journals in S&E fields in 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. Links are only shown in a single direction, dictated by alphabetical order. The size of the nodes is proportional to the total number of semiconductor-related articles written by each region, country, or economy. The width of the links between nodes is proportional to the quantity of articles both regions, countries, or economies have coauthored. Positioning of nodes is defined using the Kamada-Kawai algorithm.

Source(s):

NCSES; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed August 2025.