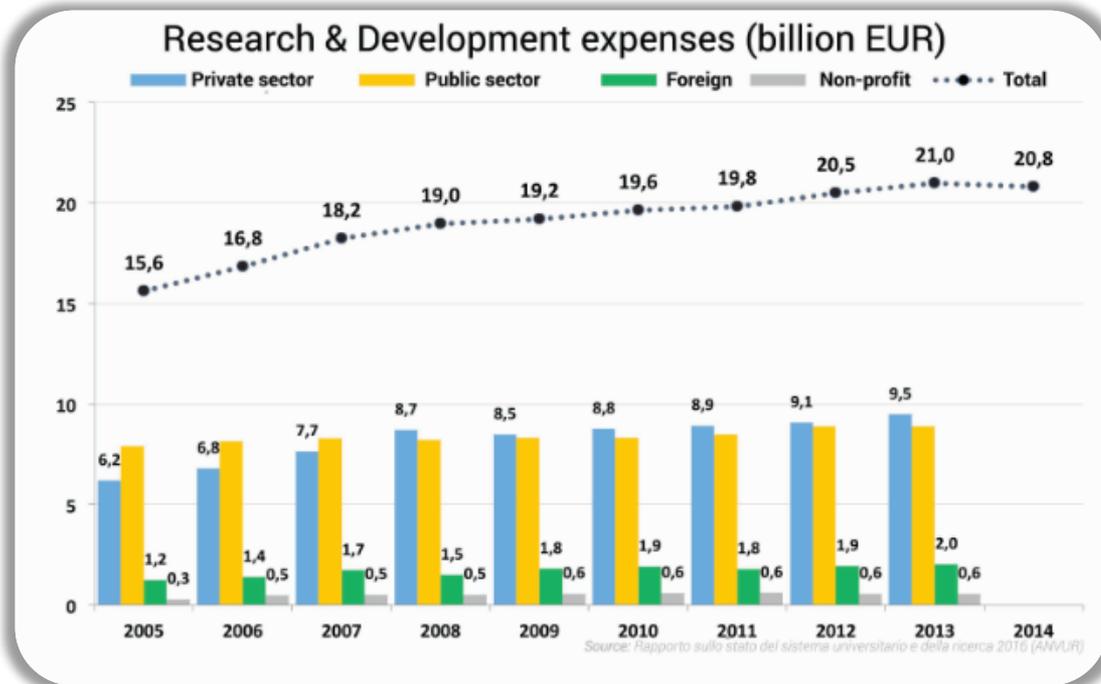


RESEARCH AND INNOVATION IN ITALY

Opportunities for cooperation



R&D Expenses: growth of private sector



Italy at the top in the latest SME instrument results



6.745

**Number of
INNOVATIVE
STARTUPS
as of Dec 2016**

+31%

**UP
from Dec 2015**

INNOVATIVE STARTUPS

- ❑ Domestic investments increased 24% in 2016
- ❑ 9.169 persons employed, 71% up from 2015
- ❑ 25.55% of firms in R&D sector are innovative startups

<https://youtu.be/UrA-qxszyUQ>



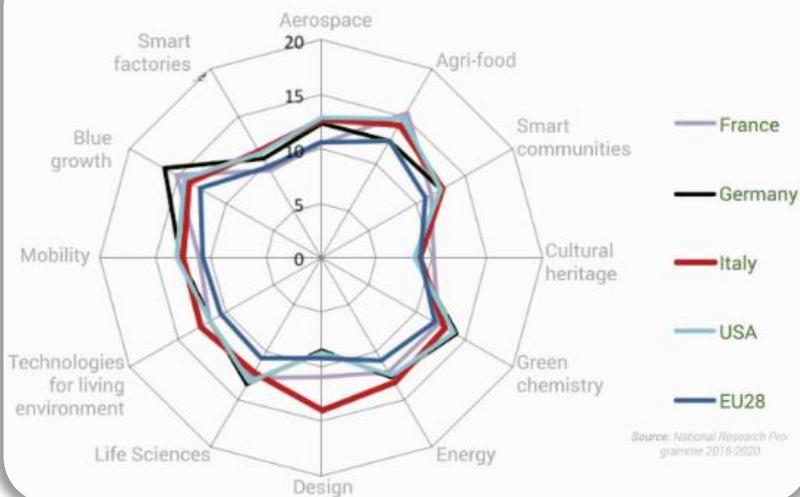
#VIVEREALLITALIANA

Research: specializations and impact

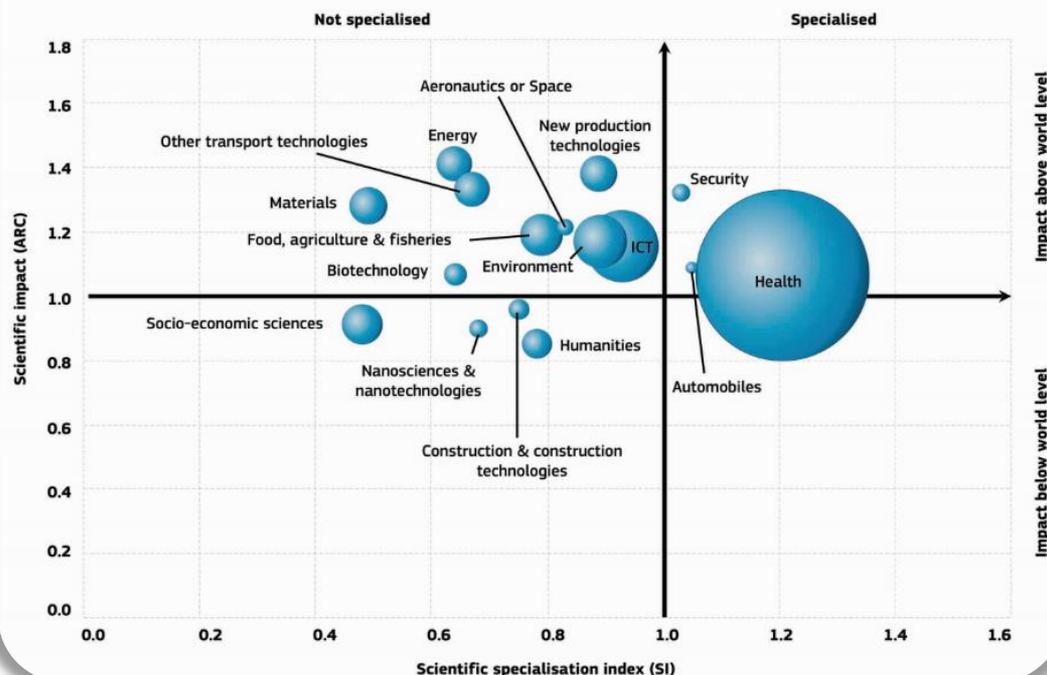
National Programme for Research



Ratio of 10% most-cited articles, by domain



Positional analysis of publications in Scopus (specialisation versus impact), 2000-2010



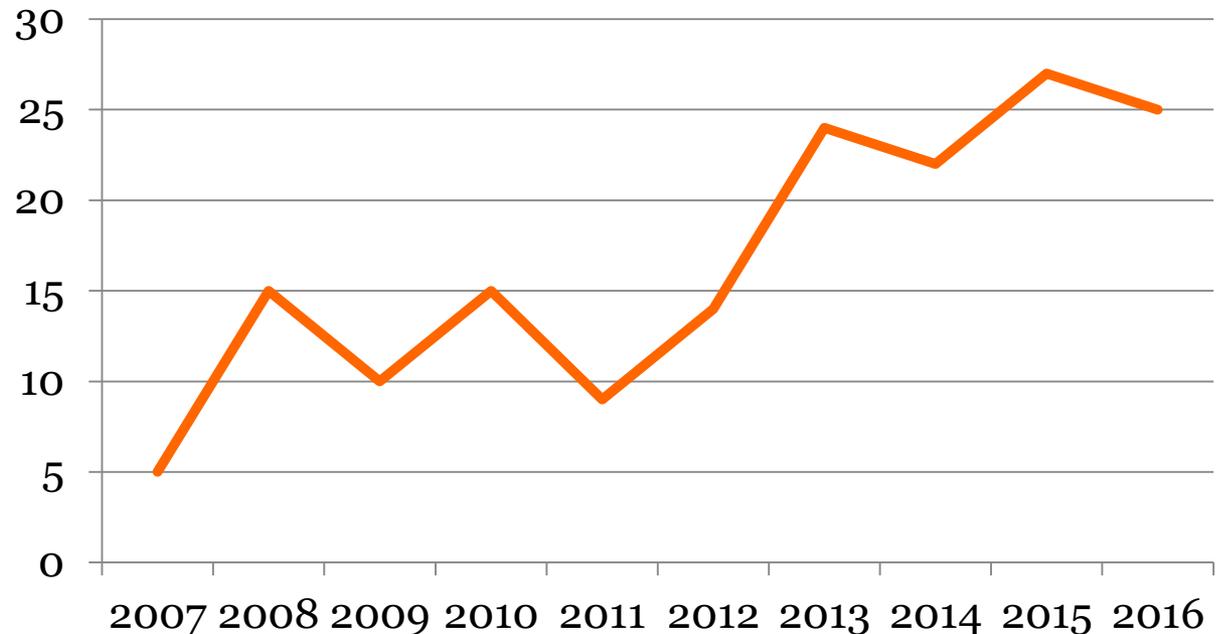
Lot of potential for bilateral and multilateral cooperation...

Italy-Japan S&T Cooperation

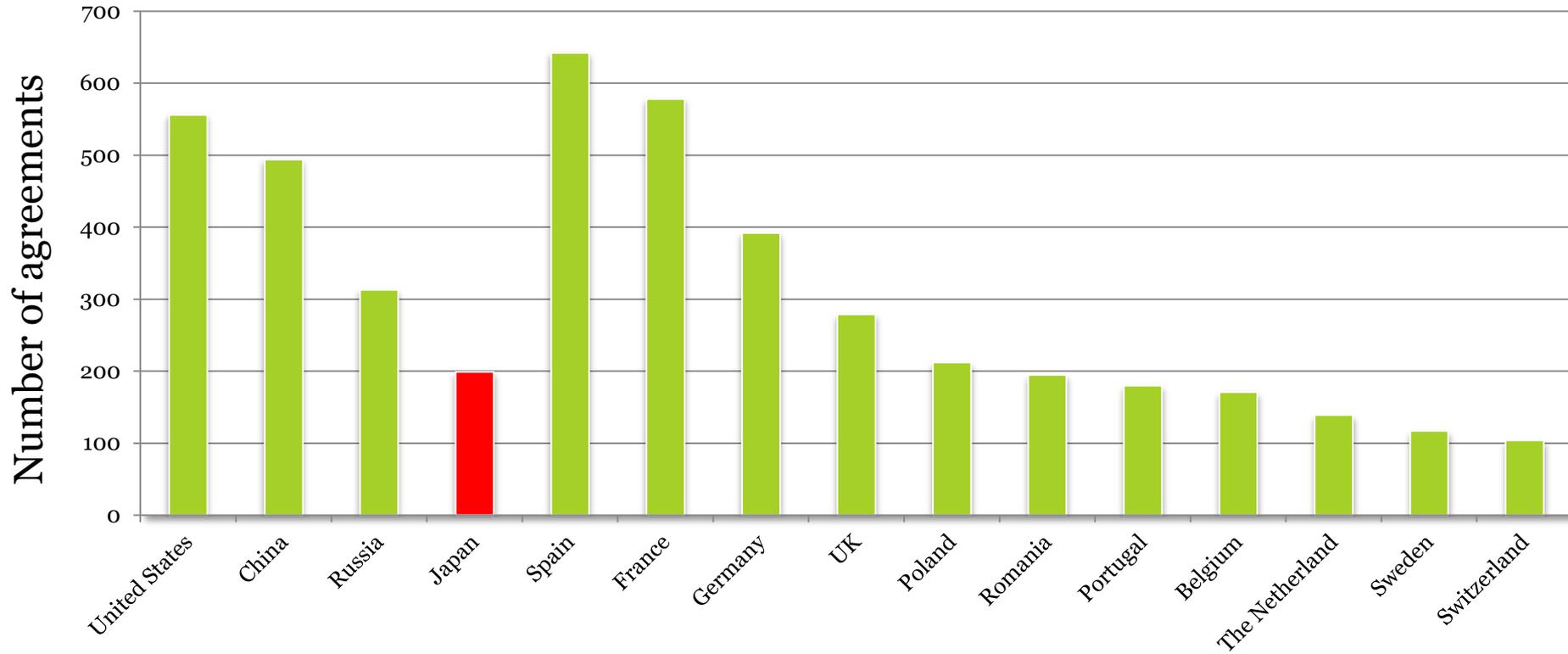
**Bilateral Agreements
for Cooperation in S&T with Japan:
(all Universities + CNR)**

205

Number of agreements



Italy Cooperation in S&T

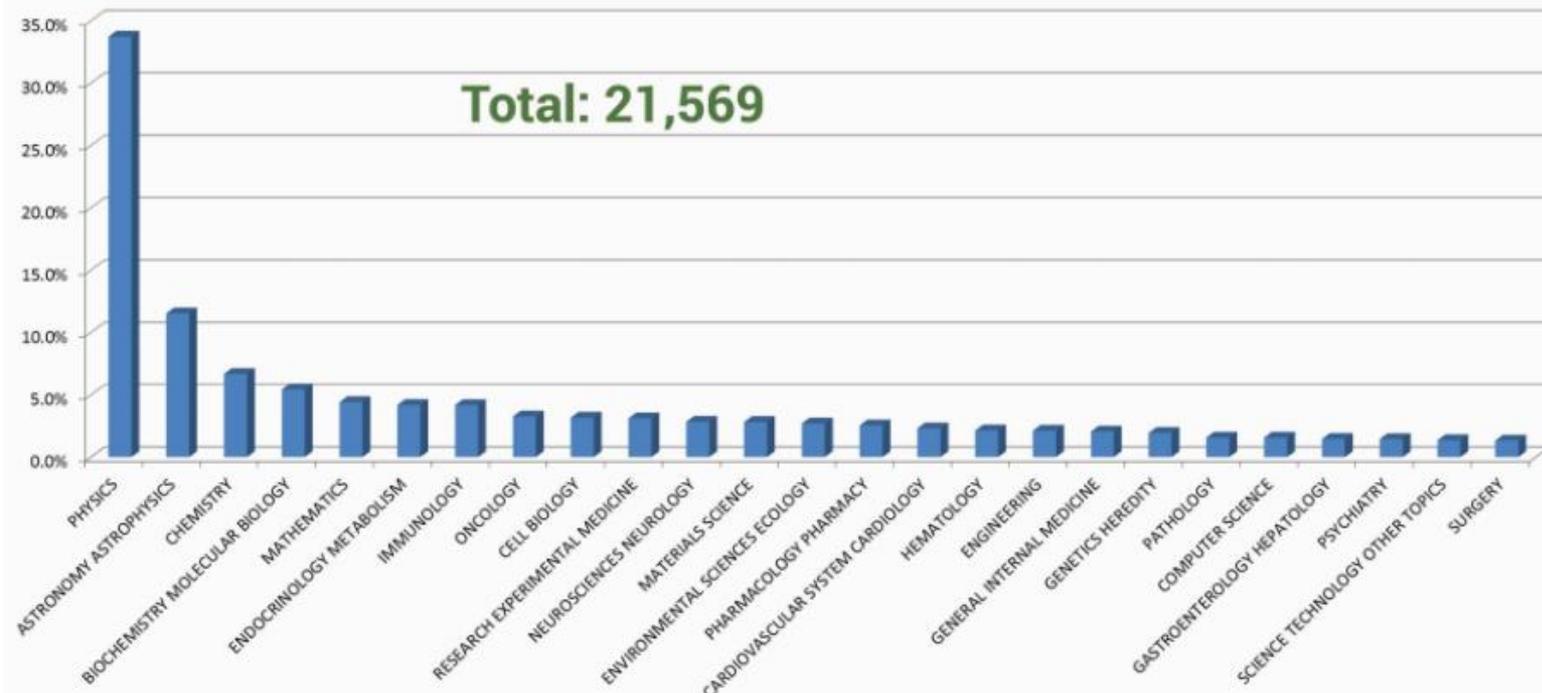


Italy-Japan Cooperation

Priority areas:

- Basic Science (Physics, Mathematics, Chemistry)
- Space Sciences
- Biothechnologies and Health
- Nanosciences and Advanced Materials
- Energy and Environment
- Technologies applied to Cultural Heritage
- ICT including Robotics and Automotive
- Agriculture and Food Science

Breakdown: Italy-Japan co-published articles, by domain (1970 - 2017, %)



Italy-Japan Scientific Publications

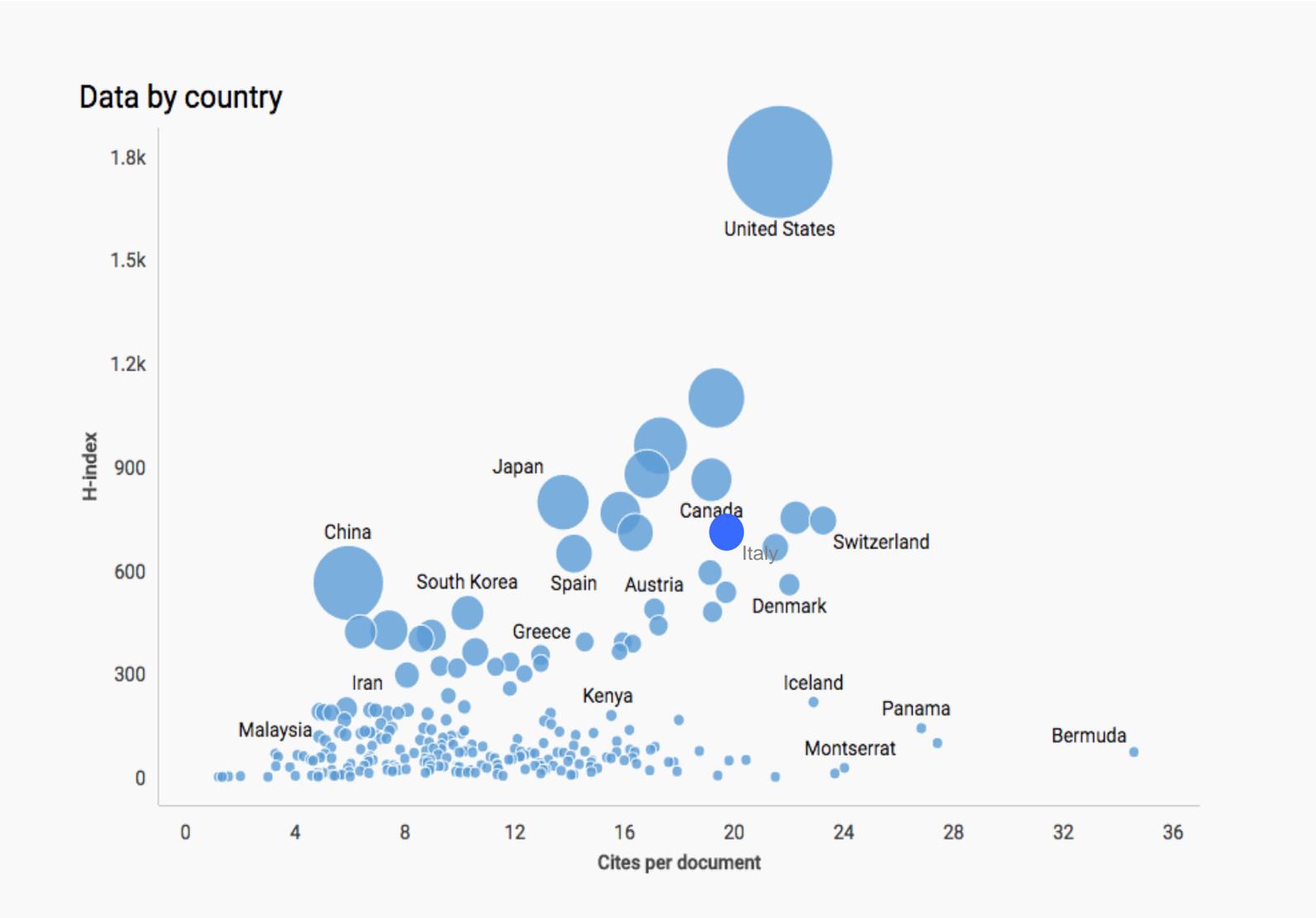
Italy publishes
with:

Field: Countries/Territories	Record Count	% of 1543727
ITALY	1543651	99.995 %
USA	184501	11.952 %
FRANCE	99803	6.465 %
ENGLAND	98198	6.361 %
GERMANY	96959	6.281 %
SPAIN	64143	4.155 %
SWITZERLAND	50583	3.277 %
NETHERLANDS	45874	2.972 %
CANADA	31613	2.048 %
BELGIUM	30911	2.002 %
SWEDEN	27987	1.813 %
JAPAN	21569	1.397 %
AUSTRIA	21480	1.391 %
AUSTRALIA	21121	1.368 %
RUSSIA	21047	1.363 %
POLAND	20375	1.320 %
DENMARK	18364	1.190 %
PEOPLES R CHINA	17010	1.102 %
SCOTLAND	16197	1.049 %
BRAZIL	16079	1.042 %
GREECE	15931	1.032 %

Japan publishes
with:

Field: Countries/Territories	Record Count	% of 2770849
JAPAN	2765696	99.814 %
USA	207021	7.471 %
PEOPLES R CHINA	67626	2.441 %
GERMANY	48354	1.745 %
ENGLAND	42478	1.533 %
FRANCE	34601	1.249 %
SOUTH KOREA	31865	1.150 %
CANADA	28379	1.024 %
AUSTRALIA	22042	0.795 %
ITALY	21623	0.780 %
RUSSIA	16136	0.582 %
SWITZERLAND	15268	0.551 %
NETHERLANDS	14507	0.524 %
INDIA	14389	0.519 %
TAIWAN	13822	0.499 %
SWEDEN	13171	0.475 %
SPAIN	12983	0.469 %
THAILAND	10237	0.369 %
POLAND	9189	0.332 %
BELGIUM	8696	0.314 %
SCOTLAND	7608	0.275 %
AUSTRIA	7041	0.254 %
BRAZIL	6805	0.246 %
DENMARK	6762	0.244 %
FINLAND	6232	0.225 %
ISRAEL	5670	0.205 %
CZECH REPUBLIC	5537	0.200 %

Global data



source: Scimago (Elsevier Scopus), from 1996 to 2017