

Regional and country portfolio of S&E articles, by field: 2001

Region and country/economy	Articles	All fields	Clinical	Biomedical	Biology	Chemistry	Physics	Earth/space	Engineering/	Mathematics	Psychology	Social	Health	Professional
			medicine	research				sciences	technology			sciences	sciences	fields
	Number		Percent distribution											
Worldwide	649,795	100.0	28.4	14.2	6.8	11.9	13.4	5.4	9.0	2.2	3.1	2.3	1.4	2.0
OECD	551,402	100.0	30.7	15.0	6.8	10.3	11.9	5.4	8.2	2.0	3.3	2.6	1.6	2.2
North America	226,704	100.0	31.3	16.7	6.7	7.2	8.6	5.8	7.0	1.8	4.6	3.9	2.5	3.7
Canada	22,626	100.0	29.3	15.2	10.3	7.8	6.6	7.3	7.9	1.9	4.7	4.4	2.2	2.4
Mexico	3,209	100.0	18.7	12.0	14.8	10.5	21.2	7.6	7.7	2.1	1.7	1.5	1.8	0.5
United States	200,870	100.0	31.7	16.9	6.2	7.1	8.7	5.6	6.9	1.8	4.7	3.9	2.5	3.9
Western Europe	229,173	100.0	32.0	14.0	6.6	11.5	12.7	5.7	8.1	2.4	2.8	1.8	1.2	1.3
Austria	4,526	100.0	42.5	13.0	5.6	10.0	11.3	4.6	6.1	2.7	2.2	1.2	0.3	0.6
Belgium	5,984	100.0	32.9	14.6	8.0	11.0	12.5	4.5	7.8	2.1	2.7	2.0	0.7	1.3
Croatia	710	100.0	23.4	7.5	6.2	20.5	11.3	4.6	5.0	3.1	16.4	1.3	0.3	0.3
Cyprus	74	100.0	7.7	5.3	4.0	12.2	8.7	2.0	24.0	9.4	13.1	1.9	0.0	11.7
Denmark	4,988	100.0	34.2	17.9	11.7	7.8	9.3	6.2	5.3	1.4	3.3	1.0	0.9	1.0
Finland	5,098	100.0	37.8	14.1	10.1	7.5	8.5	5.5	7.3	1.3	1.8	1.8	2.0	1.9
France	31,317	100.0	27.1	15.2	5.7	12.9	16.1	6.6	9.0	4.4	1.4	0.9	0.2	0.5
Germany	43,623	100.0	30.9	14.1	5.2	12.7	16.3	5.0	8.5	2.2	1.8	2.0	0.6	0.7
Greece	3,329	100.0	31.3	8.1	9.2	12.5	14.1	6.3	11.4	3.0	2.1	0.5	0.4	1.1
Iceland	174	100.0	31.9	10.2	16.2	3.3	4.6	16.2	2.9	2.1	5.8	3.9	2.3	0.7
Ireland	1,665	100.0	30.7	14.6	14.0	8.4	10.3	3.0	6.9	2.4	4.1	1.7	1.6	2.5
Italy	22,313	100.0	35.1	12.0	4.5	11.9	16.2	6.0	8.8	2.9	1.3	0.7	0.2	0.4
Macedonia	74	100.0	11.7	6.8	1.4	51.2	13.4	2.0	12.2	1.4	0.0	0.0	0.0	0.0
Netherlands	12,602	100.0	37.5	14.2	6.0	8.6	8.8	5.5	6.4	1.4	3.9	3.6	1.8	2.2
Norway	3,252	100.0	33.4	12.7	12.9	6.3	5.0	10.1	6.2	2.3	4.4	3.1	2.0	1.7
Portugal	2,142	100.0	14.5	12.5	11.0	20.5	16.8	4.7	13.1	3.5	1.4	0.9	0.1	1.0
Slovenia	876	100.0	19.9	13.7	4.3	16.3	16.7	2.9	17.4	3.1	3.5	0.7	0.3	1.2
Spain	15,570	100.0	24.7	13.9	10.7	18.5	11.7	5.7	7.8	3.3	1.7	0.9	0.4	0.6
Sweden	10,314	100.0	36.7	15.5	7.4	8.3	10.5	4.4	8.1	1.2	1.9	1.7	3.1	1.1
Switzerland	8,107	100.0	32.7	16.1	5.8	12.8	13.4	6.4	6.6	1.4	2.1	1.4	0.6	0.7
Turkey	4,098	100.0	44.3	6.3	5.2	14.2	8.9	4.6	11.2	1.3	1.9	1.1	0.5	0.6
United Kingdom	47,660	100.0	32.8	14.2	6.2	8.5	9.0	5.9	7.4	1.6	5.7	3.0	2.7	3.0
Yugoslavia	547	100.0	19.1	8.8	3.8	17.5	17.2	4.3	23.9	3.9	0.8	0.5	0.0	0.2
All others	129	100.0	34.2	8.9	5.9	12.2	4.6	6.8	11.7	1.5	6.6	0.8	2.5	4.5
Asia	113,575	100.0	22.2	11.9	5.5	18.2	19.8	3.6	14.5	2.0	1.0	0.4	0.2	0.6
Bangladesh	177	100.0	21.5	8.0	12.2	17.4	14.0	4.8	8.7	0.3	6.6	0.0	3.9	2.7
China	20,978	100.0	10.7	8.0	3.8	26.3	23.4	4.4	16.3	3.9	1.1	0.5	0.4	1.3
India	11,076	100.0	14.3	13.4	6.5	25.5	18.6	5.2	13.0	1.2	1.5	0.2	0.2	0.4
Indonesia	207	100.0	22.0	10.3	19.3	8.8	7.7	9.6	10.0	0.2	8.5	0.6	1.0	1.9
Japan	57,420	100.0	28.7	14.0	6.1	14.9	19.1	3.0	11.6	1.4	0.5	0.5	0.1	0.1
Malaysia	494	100.0	20.4	7.6	15.1	28.4	6.4	2.9	12.1	1.0	2.9	0.5	0.8	2.0
Pakistan	282	100.0	19.4	9.3	15.6	16.2	20.6	2.8	8.9	1.7	2.1	0.0	2.4	1.1
Philippines	158	100.0	15.8	10.6	39.5	1.3	12.0	4.0	3.2	1.9	5.3	1.9	1.4	3.3
Singapore	2,603	100.0	14.3	9.1	2.6	11.4	21.0	2.0	27.8	3.4	3.5	0.8	0.3	3.8
South Korea	11,037	100.0	17.9	11.3	3.3	17.7	22.4	3.0	20.7	1.7	1.0	0.3	0.2	0.6
Sri Lanka	76	100.0	27.4	9.1	31.3	11.1	9.2	3.4	2.4	0.0	2.4	0.0	0.7	3.0

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	Number		medicine	research				sciences	technology			sciences	sciences	fields
			Percent distribution											
Taiwan	8,082	100.0	24.1	8.5	5.1	14.0	16.0	5.0	21.8	2.1	1.2	0.5	0.5	1.2
Thailand	727	100.0	36.6	10.5	16.2	15.2	3.3	4.6	8.4	0.4	1.9	0.5	1.8	0.5
Vietnam.....	158	100.0	16.2	7.2	13.7	8.6	22.2	3.9	8.8	15.4	0.7	0.0	1.5	1.7
All others.....	101	100.0	31.0	6.1	18.9	4.5	3.0	15.4	2.0	1.5	10.7	1.3	2.1	3.5
Eastern Europe/Central Asia.....	33,686	100.0	8.2	8.8	4.4	26.0	30.3	5.9	10.2	3.7	1.4	0.6	0.1	0.3
Armenia	152	100.0	8.2	5.2	1.0	24.0	49.4	4.7	5.7	1.3	0.3	0.0	0.0	0.0
Azerbaijan	68	100.0	2.0	1.6	0.7	39.4	28.1	8.8	11.5	7.8	0.0	0.0	0.0	0.0
Belarus.....	528	100.0	4.2	8.5	4.1	29.0	40.2	1.2	8.4	3.3	0.3	0.8	0.0	0.2
Bulgaria.....	784	100.0	12.8	12.3	6.3	24.4	19.5	5.6	13.2	4.3	0.6	0.2	0.4	0.4
Czech Republic.....	2,622	100.0	14.5	16.0	7.7	22.9	16.2	4.5	8.2	3.9	3.1	1.5	0.0	1.3
Estonia	339	100.0	16.4	15.2	10.5	9.2	19.1	8.2	12.2	2.0	3.1	1.2	2.1	0.6
Georgia	110	100.0	6.8	3.5	4.7	21.1	36.6	7.6	7.8	9.3	2.6	0.0	0.0	0.0
Hungary	2,479	100.0	26.7	13.1	5.2	23.5	15.0	2.8	7.0	3.9	1.6	0.8	0.1	0.3
Kazakhstan	116	100.0	3.5	0.9	2.2	44.7	22.1	9.5	8.5	7.6	0.0	0.0	0.0	0.9
Latvia	157	100.0	10.8	11.5	5.5	27.2	25.1	2.5	14.2	1.6	0.6	0.6	0.3	0.0
Lithuania	272	100.0	7.2	14.3	7.5	19.4	27.7	4.4	12.5	3.3	2.9	0.4	0.4	0.0
Moldova	77	100.0	1.7	2.5	4.5	39.7	40.7	0.4	9.2	1.3	0.0	0.0	0.0	0.0
Poland	5,686	100.0	13.2	8.6	4.8	26.7	26.5	4.1	11.0	3.9	0.5	0.3	0.1	0.4
Romania.....	997	100.0	3.5	2.5	1.1	34.9	29.0	2.5	18.3	7.4	0.5	0.2	0.1	0.0
Russia	15,846	100.0	3.2	7.5	4.0	27.1	35.6	8.1	8.9	3.4	1.3	0.6	0.1	0.2
Slovakia	955	100.0	12.2	17.5	4.8	22.5	15.9	3.4	8.5	3.4	8.2	3.2	0.1	0.3
Ukraine	2,256	100.0	3.4	2.5	2.1	20.6	44.9	4.2	19.5	2.6	0.1	0.2	0.0	0.0
Uzbekistan	204	100.0	1.4	1.8	1.9	43.5	36.2	4.8	5.7	2.9	2.0	0.0	0.0	0.0
All others.....	39	100.0	4.7	2.2	8.2	18.3	21.2	19.5	5.1	12.7	3.0	2.5	2.5	0.0
Near East/North Africa	11,777	100.0	29.0	9.6	6.6	14.5	14.2	3.8	11.6	3.8	2.3	2.0	1.0	1.6
Algeria.....	225	100.0	5.2	2.1	3.1	16.0	34.5	5.9	27.6	5.4	0.0	0.0	0.0	0.2
Egypt.....	1,548	100.0	20.2	5.1	6.4	29.9	17.7	3.6	15.4	0.5	0.6	0.4	0.1	0.1
Iran	995	100.0	19.5	3.7	3.7	39.6	13.5	2.9	12.3	3.9	0.4	0.3	0.1	0.1
Israel.....	6,487	100.0	32.9	12.7	6.9	7.6	13.6	3.4	8.3	4.0	3.5	3.3	1.5	2.4
Jordan.....	240	100.0	18.7	6.6	12.1	9.6	11.6	10.9	25.0	0.4	1.9	1.2	1.5	0.4
Kuwait.....	257	100.0	35.6	10.4	6.8	10.3	3.8	3.7	21.2	3.0	0.4	0.8	1.0	2.8
Lebanon	202	100.0	48.2	7.5	6.5	4.3	8.5	4.8	6.9	3.0	5.6	1.1	1.5	2.0
Morocco.....	469	100.0	12.1	5.0	6.7	23.5	21.9	7.6	12.5	10.1	0.5	0.0	0.0	0.2
Oman	96	100.0	41.5	5.3	11.7	4.6	8.9	5.0	17.4	1.6	2.1	1.0	0.0	1.0
Saudi Arabia.....	580	100.0	40.8	5.9	4.7	12.3	10.1	2.8	17.2	4.0	0.7	0.2	0.2	1.2
Tunisia	344	100.0	22.9	11.3	5.3	15.2	14.1	3.7	14.5	11.9	0.8	0.0	0.0	0.2
United Arab Emirates.....	159	100.0	45.8	9.1	3.4	6.6	6.8	5.1	14.0	1.6	1.6	2.5	0.8	2.8
All others.....	174	100.0	25.4	7.3	17.3	13.3	8.9	5.6	17.5	1.1	1.4	1.0	0.2	0.9
Pacific	17,743	100.0	28.2	12.6	16.2	6.6	6.4	8.1	6.4	1.7	4.8	3.8	2.6	2.6
Australia	14,788	100.0	28.7	13.1	14.7	6.8	6.9	7.8	6.6	1.7	4.8	3.7	2.7	2.6
New Zealand	2,903	100.0	25.9	10.5	23.6	5.7	4.2	9.3	5.2	1.8	4.4	4.4	2.5	2.5
All others.....	53	100.0	30.9	4.6	35.5	1.9	0.0	6.4	1.4	0.0	9.6	0.9	1.5	7.2

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Central/South America.....	13,147	100.0	22.7	14.1	12.7	13.4	17.9	5.4	7.6	2.3	1.8	0.6	1.0	0.5
Argentina.....	2,930	100.0	23.4	15.0	16.1	12.7	16.0	6.0	6.4	1.8	1.5	0.6	0.2	0.2
Brazil.....	7,205	100.0	21.4	13.8	10.3	13.5	21.6	4.3	8.8	2.4	1.6	0.5	1.4	0.3
Chile.....	1,203	100.0	26.8	11.6	12.3	17.3	8.0	11.2	5.9	3.0	2.0	0.3	0.6	1.1
Colombia.....	324	100.0	24.2	12.4	18.8	8.4	16.6	3.5	4.7	2.4	4.3	2.1	1.4	1.1
Costa Rica.....	92	100.0	21.1	14.9	37.9	10.9	4.9	4.5	1.8	0.0	2.5	0.3	0.0	1.1
Cuba.....	299	100.0	25.0	20.1	9.4	15.9	17.0	3.6	6.0	0.3	0.0	2.3	0.4	0.0
Peru.....	93	100.0	31.4	9.5	24.2	3.1	8.9	9.4	4.0	1.1	6.2	1.1	0.8	0.3
Uruguay.....	155	100.0	21.3	24.2	13.2	8.9	16.7	4.7	3.1	3.9	0.9	1.8	0.0	1.3
Venezuela.....	535	100.0	19.3	14.2	12.6	17.4	13.7	4.5	9.3	3.9	2.7	0.2	0.4	1.7
All others.....	310	100.0	29.4	13.3	26.0	6.8	4.2	6.1	3.6	0.5	5.5	1.3	1.8	1.7
Sub-Saharan Africa.....	3,990	100.0	29.8	12.0	21.2	6.6	4.4	7.7	5.0	1.5	5.7	1.8	2.3	1.9
Cameroon.....	75	100.0	34.1	9.2	26.5	4.2	5.3	6.6	2.0	3.1	6.2	0.0	1.3	1.3
Ethiopia.....	93	100.0	54.2	6.9	21.5	3.8	5.1	3.4	0.3	0.0	2.6	0.4	2.0	0.0
Ghana.....	90	100.0	40.3	9.6	16.0	5.0	2.3	4.1	2.8	0.0	13.0	1.1	1.2	4.5
Kenya.....	230	100.0	36.0	13.3	31.3	2.2	0.9	3.4	0.9	0.0	8.1	0.6	2.9	0.2
Nigeria.....	332	100.0	29.7	11.5	29.9	3.9	2.4	4.0	4.6	2.1	5.4	0.1	2.4	4.1
Senegal.....	62	100.0	33.8	9.8	30.1	2.7	5.4	4.4	1.9	1.6	6.2	0.0	2.5	1.6
South Africa.....	2,327	100.0	24.5	12.7	18.0	8.9	5.9	10.3	6.8	1.7	5.2	2.7	1.5	1.8
Tanzania.....	87	100.0	53.7	6.5	22.0	0.0	0.6	3.5	2.1	0.0	1.0	2.0	5.2	3.5
Uganda.....	91	100.0	45.6	9.4	21.8	0.0	0.0	2.3	1.1	0.0	4.4	2.1	11.7	1.6
Zimbabwe.....	113	100.0	29.5	11.4	27.5	2.3	0.0	4.0	5.3	0.4	10.2	2.2	6.3	0.9
All others.....	490	100.0	37.6	12.6	23.0	4.2	2.7	4.2	2.0	2.2	5.8	0.4	3.4	1.9

OECD Organisation for Economic Co-operation and Development

NOTES: Article counts are from a set of journals classified and covered by the Institute of Scientific Information's Science Citation and Social Sciences Citation Indexes. Article counts are based on fractional assignments; for example, an article with two authors from different countries is counted as one-half of an article for each country. Countries with article output of less than 0.01 percent of world output in 2001 are grouped in "All others." China's data include articles from the Hong Kong economy for 2001. Articles are assigned to fields based on journal field classifications developed by CHI Research, Inc.

SOURCES: Institute for Scientific Information, Science Citation Index and Social Sciences Citation Index; CHI Research, Inc.; and National Science Foundation, Division of Science Resources Statistics, special tabulations.

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