

Appendix table 5-51

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Coauthorship share of Eastern Europe and former USSR and selected countries of Western Europe and Asia on international S&E articles of indicated region and country/economy: 1996

(Percent)

Region and country/economy	S&E articles (number)		Other Asia		Other Western Europe	Eastern Europe/former USSR		
	Total	International	Total	India		Total	E. Europe	Former USSR
Major S&E article producers								
United States.....	221,414	39,046	2.3	1.4	4.5	6.3	3.0	2.6
EU-15.....	215,494	58,576	2.5	1.4	9.1	16.9	7.7	6.4
Austria.....	4,902	2,194	0.7	0.2	16.2	13.3	7.8	2.0
Belgium.....	7,641	3,514	0.9	0.4	3.6	7.2	4.3	2.0
Denmark.....	6,036	2,632	0.8	0.4	6.4	6.1	2.0	2.9
Finland.....	5,456	1,950	0.7	0.5	5.8	13.7	4.7	5.7
France.....	36,933	13,105	1.2	0.8	5.0	9.8	4.9	3.5
Germany.....	48,333	16,464	1.5	1.0	6.6	14.0	5.9	6.0
Greece.....	2,910	1,106	0.4	0.2	5.6	6.9	3.8	2.0
Ireland.....	1,666	695	0.4	0.2	2.9	3.0	1.7	1.2
Italy.....	23,581	8,011	0.8	0.6	6.0	9.4	4.8	3.2
Netherlands.....	15,638	5,604	1.3	0.4	4.7	7.7	3.3	3.1
Portugal.....	1,549	807	0.4	0.2	3.8	4.8	2.3	1.9
Spain.....	14,901	4,771	0.6	0.5	2.7	6.3	3.2	2.2
Sweden.....	12,461	4,875	1.0	0.3	7.8	9.5	3.8	3.1
United Kingdom.....	56,923	16,292	2.3	1.0	4.2	6.1	2.9	2.4
Japan.....	54,614	7,973	3.4	1.2	2.4	5.3	2.3	2.3
East Asia-4.....	24,923	6,085	1.8	0.6	1.3	2.3	0.6	1.2
China.....	11,923	3,341	2.1	0.5	1.6	1.9	0.6	0.9
Singapore.....	1,430	449	5.1	2.8	1.6	1.4	0.7	0.4
South Korea.....	5,566	1,490	0.5	0.3	1.1	3.3	0.8	2.2
Taiwan.....	6,302	1,103	1.0	0.3	0.7	1.9	0.6	0.9
Other regions/countries								
Other Asia								
Bangladesh.....	223	117	15.9	9.1	1.6	0.4	0.0	0.4
India.....	10,688	1,719	1.6	na	2.2	3.0	1.3	1.1
Indonesia.....	269	220	4.8	0.4	1.1	0.2	0.2	0.0
Malaysia.....	486	207	12.4	6.7	0.7	0.4	0.4	0.0
Pakistan.....	368	166	2.2	0.2	3.8	0.9	0.9	0.0
Philippines.....	251	163	8.8	0.9	0.8	0.0	0.0	0.0
Sri Lanka.....	109	58	4.2	0.0	0.0	1.1	1.1	0.0
Thailand.....	599	376	5.6	0.7	1.8	1.0	0.8	0.0
Vietnam.....	182	124	4.1	0.1	1.0	5.8	3.8	1.9
Other Western Europe.....	19,219	7,947	0.7	0.4	na	6.8	3.2	2.4
Croatia.....	771	278	0.2	0.2	8.6	5.3	4.1	0.7
Cyprus.....	93	57	0.8	0.6	7.0	4.6	3.5	1.1
Iceland.....	221	115	0.0	0.0	6.2	2.0	0.5	1.5
Macedonia.....	52	27	0.0	0.0	30.1	13.3	2.2	7.8
Norway.....	3,850	1,553	0.5	0.4	2.4	7.0	2.7	3.2
Slovenia.....	666	309	0.9	0.6	8.8	8.7	5.9	1.8
Switzerland.....	10,540	5,028	0.7	0.4	1.2	6.0	3.1	2.3
Turkey.....	2,513	569	0.6	0.2	3.1	9.2	2.0	1.2
Yugoslavia.....	678	202	0.9	0.5	5.6	16.4	9.7	4.2
Eastern Europe/former USSR.....	42,102	13,624	0.5	0.4	4.3	na	na	na
Armenia.....	245	107	1.0	1.0	3.7	28.5	4.5	20.6
Azerbaijan.....	156	55	0.0	0.0	48.4	23.8	0.0	20.6
Bulgaria.....	1,253	503	0.7	0.3	5.8	10.6	3.9	5.6
Belarus.....	759	283	0.4	0.4	0.5	41.0	13.8	22.6
Czech Republic.....	3,094	1,481	0.5	0.3	3.9	14.4	3.7	4.0
Estonia.....	373	216	0.3	0.3	1.4	9.8	2.6	5.5
Georgia.....	176	83	1.0	1.0	1.1	48.0	5.3	36.9
Hungary.....	2,618	1,343	0.8	0.5	5.3	6.1	3.0	1.6
Kazakhstan.....	169	43	0.6	0.6	0.0	63.6	2.7	47.2
Latvia.....	228	105	0.0	0.0	0.2	15.4	3.3	8.6
Lithuania.....	272	128	0.0	0.0	5.6	11.4	5.4	5.0
Moldova.....	184	84	0.7	0.7	3.3	57.9	31.3	11.6
Poland.....	6,239	2,865	0.5	0.3	3.6	13.6	2.0	5.6
Romania.....	1,169	508	0.8	0.4	2.3	8.4	2.5	2.5

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(Percent)

Region and country/economy	S&E articles (number)		Other Asia		Other Western Europe	Eastern Europe/former USSR		
	Total	International	Total	India		Total	E. Europe	Former USSR
Russia	21,776	5,827	0.4	0.3	3.5	12.4	5.0	na
Slovakia	1,558	650	0.5	0.3	3.5	22.9	17.1	3.9
Ukraine	3,195	1,060	0.2	0.2	3.2	36.5	11.0	20.8
Uzbekistan	384	65	0.8	0.8	5.3	44.0	1.2	33.0
Central/South America	13,360	5,484	0.8	0.6	1.4	4.9	2.0	1.9
Argentina	2,720	916	0.3	0.3	1.0	1.4	0.5	0.6
Brazil	5,005	2,090	0.7	0.6	1.6	4.7	1.7	2.0
Chile	1,291	612	0.9	0.1	1.2	3.1	1.3	1.5
Colombia	327	212	1.7	0.8	2.1	3.5	0.3	2.4
Costa Rica	145	121	1.0	0.8	0.3	0.0	0.0	0.0
Cuba	280	157	0.1	0.0	0.5	5.7	3.8	1.5
Mexico	2,759	1,119	1.5	1.2	1.2	8.8	4.0	3.0
Peru	128	97	1.8	0.3	2.7	0.9	0.0	0.0
Uruguay	183	111	0.0	0.0	0.0	1.5	0.7	0.0
Venezuela	574	247	0.0	0.0	0.8	3.4	2.2	1.0
Near East/North Africa	12,329	4,782	1.1	0.6	2.5	4.7	2.2	2.0
Algeria	259	181	0.7	0.0	1.1	3.5	2.4	1.1
Egypt	1,650	535	1.3	0.7	1.7	3.3	2.6	0.5
Iran	393	142	1.0	0.7	2.4	6.9	4.1	1.8
Israel	7,429	2,853	0.6	0.4	2.6	5.5	2.1	2.6
Jordan	209	76	0.0	0.0	0.2	1.6	1.6	0.0
Kuwait	304	114	3.5	2.0	4.1	1.8	1.8	0.0
Lebanon	93	42	1.3	0.0	1.3	2.0	0.0	1.0
Morocco	472	377	0.3	0.2	1.6	2.2	1.2	0.8
Oman	87	40	12.3	7.0	1.6	0.0	0.0	0.0
Saudi Arabia	872	216	1.9	1.0	4.1	2.8	2.4	0.4
Tunisia	228	125	0.0	0.0	5.2	2.5	1.0	1.5
United Arab Emirates	196	89	5.3	2.0	2.1	1.6	1.2	0.5
Sub-Saharan Africa	5,252	2,332	1.8	0.8	3.6	2.5	1.2	0.7
Cameroon	102	73	0.0	0.0	3.6	1.2	0.0	0.0
Ethiopia	131	77	0.0	0.0	6.4	1.7	0.0	1.7
Ghana	114	67	0.0	0.0	4.7	0.0	0.0	0.0
Kenya	448	301	1.3	0.2	3.2	1.0	0.7	0.0
Nigeria	529	177	4.0	0.3	0.3	1.6	1.6	0.0
Senegal Republic	111	82	1.4	0.0	0.8	0.0	0.0	0.0
South Africa	2,733	808	1.7	1.3	2.4	5.5	2.7	1.8
Tanzania	190	148	0.0	0.0	11.3	0.4	0.0	0.4
Uganda	72	48	0.7	0.0	2.0	0.0	0.0	0.0
Zimbabwe	190	122	3.1	0.7	5.7	1.5	0.6	0.1
Other								
Australia	16,354	4,394	2.9	0.8	2.4	2.5	1.0	1.3
Canada	29,556	9,065	1.4	0.9	2.4	4.0	2.1	1.5
New Zealand	3,289	1,082	1.4	0.7	1.5	1.3	0.8	0.5

na = not applicable

EU = European Union; USSR = Union of Soviet Socialist Republics

NOTES: Data are region/country/economy's share of internationally coauthored articles with indicated region/country/economy. Authorship based on institutional address. International articles are those with at least one author at institutional address in given country/economy and one author at foreign address. Share based on article counts calculated on whole-count basis, i.e., each collaborating institution is credited one count. EU-15 consists of 15 EU countries before expansion of member countries on May 1, 2004 (listed countries plus Luxembourg). China data include Hong Kong. Eastern Europe consists of Bulgaria, Czech Republic, Hungary, Poland, and Romania.

SOURCES: Thomson ISI, *Science Citation Index* and *Social Sciences Citation Index*, <http://www.isinet.com/products/citation/>; iPLQ, Inc.; and National Science Foundation, Division of Science Resources Statistics, special tabulations.