

Appendix table 5-43

## Breadth of international coauthorship ties for selected countries/economies: 1994 and 2001

Country/economy	Collaborating countries		Country/economy	Collaborating countries		Country/economy	Collaborating countries	
	1994	2001		1994	2001		1994	2001
United States .....	154	166	Singapore .....	36	57	Moldova .....	16	31
France .....	140	152	Slovakia .....	51	54	Bolivia .....	20	30
United Kingdom .....	143	150	Peru .....	24	53	Benin .....	7	29
Germany .....	125	130	Slovenia .....	44	53	Côte d'Ivoire .....	28	29
Netherlands .....	115	127	Yugoslavia .....	40	53	Paraguay .....	9	26
Italy .....	114	121	Nigeria .....	59	52	Oman .....	18	26
Canada .....	119	120	Croatia .....	44	52	Jamaica .....	18	25
Spain .....	88	116	Pakistan .....	37	52	Syria .....	24	25
Switzerland .....	112	116	Ghana .....	32	51	Papua New Guinea .....	12	25
Japan .....	97	114	Senegal .....	35	50	Trinidad-Tobago .....	6	24
Belgium .....	100	112	Armenia .....	38	48	Gambia .....	21	24
Australia .....	93	106	Georgia .....	29	48	Mali .....	16	24
China .....	78	103	Sri Lanka .....	24	48	Myanmar .....	5	21
Brazil .....	85	102	Cameroon .....	36	47	Barbados .....	6	20
Sweden .....	110	102	Estonia .....	29	47	Gabon .....	9	19
India .....	90	101	Lebanon .....	19	46	Sierra Leone .....	6	19
Denmark .....	83	100	Bangladesh .....	31	46	Libya .....	12	19
South Africa .....	58	95	Philippines .....	38	46	Bosnia and Herzegovina .....	9	18
Austria .....	73	93	Vietnam .....	25	46	Azerbaijan .....	11	18
Mexico .....	69	89	Ecuador .....	23	44	Honduras .....	17	17
Russia .....	89	88	Uganda .....	31	44	Guinea .....	2	17
Norway .....	64	87	Iran .....	20	44	Lesotho .....	7	17
Israel .....	71	86	Burkina Faso .....	15	43	Namibia .....	8	17
Portugal .....	51	86	Nepal .....	20	43	Yemen .....	5	17
Greece .....	68	82	Zambia .....	26	42	Kyrgyzstan .....	6	17
Finland .....	73	81	Zimbabwe .....	27	41	Mongolia .....	15	16
Turkey .....	51	79	Algeria .....	25	41	El Salvador .....	2	15
Poland .....	73	79	Kuwait .....	27	41	Swaziland .....	0	15
South Korea .....	52	78	Ethiopia .....	30	40	Malta .....	19	15
Argentina .....	58	76	Morocco .....	25	39	Tajikistan .....	12	15
Colombia .....	38	75	Lithuania .....	36	38	Laos .....	0	15
Hungary .....	64	74	Uzbekistan .....	37	38	Botswana .....	6	14
Venezuela .....	32	73	Costa Rica .....	28	37	Mozambique .....	8	14
Czech Republic .....	65	72	Dominican Republic .....	20	37	Niger .....	11	14
Ireland .....	57	71	Sudan .....	16	37	Turkmenistan .....	9	14
Cuba .....	29	70	Cyprus .....	24	37	Brunei .....	8	14
Kenya .....	50	69	Uruguay .....	23	36	Bahamas .....	1	13
Thailand .....	59	69	Iceland .....	27	36	Albania .....	8	13
Egypt .....	72	67	Jordan .....	27	34	Mauritania .....	1	12
Taiwan .....	46	66	Tunisia .....	29	34	Mauritius .....	8	12
New Zealand .....	55	66	Luxembourg .....	25	34	Cambodia .....	7	12
Chile .....	57	64	Macedonia .....	13	34	Togo .....	2	11
Saudi Arabia .....	51	63	Kazakhstan .....	25	34	Congo, Republic of the .....	25	10
Romania .....	49	61	Latvia .....	28	34	Guyana .....	0	9
Tanzania .....	43	60	Madagascar .....	12	33	Central African Republic .....	6	9
Indonesia .....	37	60	Malawi .....	15	33	Belize .....	3	8
Ukraine .....	55	59	Guatemala .....	10	32	Suriname .....	0	8
Malaysia .....	40	58	Panama .....	10	32	Qatar .....	13	8
Bulgaria .....	55	57	Nicaragua .....	7	31			

NOTES: Number of countries that have jointly authored articles (based on institutional address) with indicated country. Countries ranked by number of countries collaborating in 2001.

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.