

Appendix table 5-52.

**Relative prominence of scientific literature by country/economy and field: 1990, 1994, and 1999**  
 (Relative Citation Indexes<sup>1</sup>)

Country/economy	All fields			Country/economy	Biology			Country/economy	Biomedical research		
	1990	1994	1999		1990	1994	1999		1990	1994	1999
1 Switzerland	1.46	1.41	1.37	Switzerland	1.14	1.30	1.41	United States	1.46	1.43	1.40
2 United States	1.36	1.36	1.35	Sweden	1.40	1.27	1.30	Switzerland	1.58	1.37	1.40
3 Netherlands	1.13	1.13	1.12	United Kingdom	1.14	1.15	1.25	Germany	1.04	1.05	1.00
4 Sweden	1.14	1.11	1.07	Denmark	1.03	1.19	1.21	Israel	0.90	0.94	0.99
5 Denmark	1.03	1.06	1.04	Netherlands	1.13	1.27	1.19	United Kingdom	1.07	1.06	0.98
6 United Kingdom	1.06	1.08	1.04	Norway	1.06	1.00	1.18	Canada	0.82	0.86	0.91
7 Finland	0.89	0.94	1.02	Finland	0.86	1.02	1.17	Netherlands	0.96	0.92	0.89
8 Germany	0.99	1.00	1.01	United States	1.20	1.21	1.16	Sweden	1.01	0.88	0.87
9 Canada	0.93	0.95	0.99	Belgium	0.85	0.95	1.14	Finland	0.73	0.75	0.86
10 Belgium	0.98	0.99	0.95	France	0.93	0.94	1.11	Austria	0.75	0.83	0.83
11 France	0.94	0.98	0.93	Germany	1.11	1.04	1.08	France	0.88	0.89	0.82
12 Austria	0.74	0.81	0.91	Hong Kong	na	na	1.08	Belgium	0.83	0.83	0.80
13 Italy	0.81	0.85	0.88	Chile	0.84	0.67	1.06	Australia	0.85	0.72	0.78
14 Australia	0.94	0.84	0.87	Canada	1.08	1.08	1.05	Japan	0.85	0.83	0.78
15 Israel	0.80	0.82	0.84	Austria	0.86	0.74	1.04	Denmark	0.83	0.80	0.77
16 Japan	0.87	0.86	0.83	Australia	1.10	1.06	1.04	Singapore	na	0.72	0.75
17 Ireland	0.69	0.83	0.82	Ireland	0.75	0.94	0.99	Norway	0.63	0.65	0.67
18 Norway	0.81	0.79	0.82	Philipp	0.69	0.51	0.98	Italy	0.60	0.61	0.62
19 Spain	0.62	0.70	0.79	Israel	0.88	0.98	0.92	Ireland	0.58	0.59	0.57
20 New Zealand	0.80	0.74	0.76	Spain	0.71	0.71	0.92	New Zealand	0.69	0.57	0.57
21 Portugal	na	0.57	0.64	New Zealand	0.79	0.88	0.89	Spain	0.42	0.50	0.55
22 Hong Kong	0.63	0.59	0.62	Hungary	0.56	0.70	0.87	Hungary	0.34	0.38	0.51
23 Hungary	0.51	0.54	0.60	Colombia	na	0.75	0.85	South Korea	na	0.37	0.49
24 Slovenia	na	na	0.58	Italy	0.82	0.78	0.85	Chile	0.36	0.37	0.46
25 Argentina	0.47	0.48	0.55	Portugal	na	0.80	0.81	Portugal	na	0.42	0.46
26 Chile	0.49	0.45	0.55	Japan	0.80	0.79	0.79	Greece	0.37	0.39	0.45
27 Brazil	0.42	0.44	0.54	South Korea	na	0.72	0.74	Hong Kong	na	na	0.45
28 Mexico	0.55	0.52	0.54	Taiwan	0.52	0.64	0.70	Taiwan	0.47	0.51	0.44
29 Greece	0.43	0.47	0.53	Kenya	0.69	0.50	0.69	Mexico	0.44	0.37	0.42
30 Singapore	na	0.54	0.53	Brazil	0.62	0.52	0.62	Argentina	0.29	0.33	0.35
31 South Korea	0.45	0.49	0.53	Argentina	0.55	0.64	0.61	Poland	0.29	0.26	0.34
32 Taiwan	0.50	0.52	0.52	South Africa	0.65	0.67	0.61	China	0.19	0.18	0.33
33 South Africa	0.47	0.49	0.48	Czech Republic	na	na	0.61	Brazil	0.28	0.25	0.31
34 Poland	0.41	0.43	0.47	Singapore	na	0.71	0.60	South Africa	0.34	0.32	0.30
35 Czech Republic	na	na	0.45	Turkey	na	0.56	0.58	Czech Republic	na	na	0.29
36 Croatia	na	na	0.40	Thailand	0.39	0.58	0.58	Slovakia	na	na	0.25
37 China	0.30	0.32	0.38	Poland	0.49	0.50	0.57	Bulgaria	0.07	0.08	0.22
38 India	0.28	0.32	0.37	Greece	0.56	0.61	0.56	Turkey	na	na	0.21
39 Turkey	0.36	0.31	0.35	Mexico	0.66	0.64	0.55	India	0.14	0.18	0.21
40 Bulgaria	0.23	0.28	0.35	Slovakia	na	na	0.55	Ukraine	na	na	0.19
41 Slovakia	na	na	0.35	China	0.51	0.51	0.50	Russia	na	na	0.15
42 Saudi Arabia	0.39	0.32	0.29	Malaysia	0.36	0.52	0.50	Egypt	na	na	0.13
43 Romania	0.24	0.25	0.29	Saudi Arabia	0.48	0.45	0.47				
44 Egypt	0.25	0.22	0.27	Venezuela	na	0.54	0.45				
45 Russia	na	na	0.27	India	0.36	0.40	0.42				
46 Byelarus	na	na	0.23	Estonia	na	na	0.41				
47 Ukraine	na	na	0.23	Egypt	0.35	0.28	0.40				
48 Pakistan	0.52	0.42	0.40								
49 Ethiopia	na	na	0.39								
50 Bulgaria	na	0.67	0.35								

  

Country/economy	Chemistry			Country/economy	Clinical medicine			Country/economy	Earth and space		
	1990	1994	1999		1990	1994	1999		1990	1994	1999
1 United States	1.64	1.62	1.50	United States	1.33	1.31	1.27	United States	1.3	1.35	1.31
2 Switzerland	1.47	1.49	1.45	Canada	1.02	1.05	1.11	Chile	1.23	1.23	1.21
3 Netherlands	1.31	1.43	1.41	Netherlands	1.04	1.07	1.08	Switzerland	1.31	1.29	1.16
4 Israel	1.23	1.17	1.33	Switzerland	1.07	1.13	1.08	Netherlands	1.12	1.03	1.14
5 Sweden	1.31	1.53	1.33	Finland	0.85	0.93	1.03	Germany	1.09	0.97	1.11
6 Canada	1.32	1.34	1.30	United Kingdom	1.02	1.04	1.00	United Kingdom	1.08	1.07	1.03
7 Hong Kong	1.26	1.02	1.23	Sweden	0.95	1.00	0.99	France	0.99	1.04	0.93
8 Denmark	1.20	1.25	1.20	Denmark	0.88	0.92	0.94	Canada	1.04	1.02	0.89
9 United Kingdom	1.18	1.15	1.14	Belgium	0.99	0.99	0.92	Italy	0.79	0.94	0.89
10 Germany	1.23	1.16	1.07	Australia	1.00	0.87	0.91	Australia	1.05	0.95	0.88
11 Belgium	0.87	0.97	1.06	Italy	0.75	0.84	0.90	Norway	0.9	0.86	0.86
12 Italy	1.03	1.08	1.05	France	0.80	0.85	0.87	Israel	0.63	0.81	0.85

<sup>1</sup>Relative prominence of scientific literature is measured on the basis of the relative citation index of the country. This index is the country's share of cited literature adjusted for its share of published literature. An index of 1.00 would indicate that the country's share of cited literature is equal to the country's world share of scientific literature. An index greater (less) than 1.00 would indicate that the country is cited relatively more (less) than is indicated by the country's share of scientific literature. Countries with less than a 0.10 percent share of world publications in the cited field and were cited at less than 0.10 percent share of cited literature over the period are excluded or are marked na.

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 5-52.

**Relative prominence of scientific literature by country/economy and field: 1990, 1994, and 1999**  
 (Relative Citation Indexes<sup>1</sup>)

Country/economy	Chemistry			Country/economy	Clinical medicine			Country/economy	Earth and space		
	1990	1994	1999		1990	1994	1999		1990	1994	1999
13 Spain	0.77	0.88	1.05	Ireland	0.69	0.89	0.87	Denmark	0.85	0.88	0.85
14 Australia	1.24	1.10	1.05	New Zealand	0.93	0.83	0.86	Japan	0.82	0.75	0.83
15 New Zealand	1.23	1.00	1.00	Germany	0.73	0.74	0.83	Spain	0.69	0.7	0.78
16 Japan	1.08	0.99	0.99	Norway	0.83	0.77	0.82	Sweden	1.05	0.94	0.78
17 Ireland	1.20	1.06	0.98	Austria	0.64	0.70	0.81	Belgium	0.69	0.77	0.75
18 Singapore	na	0.96	0.97	Japan	0.77	0.78	0.76	Brazil	0.51	0.51	0.73
19 Austria	0.80	0.91	0.96	Spain	0.63	0.69	0.74	Mexico	0.45	0.63	0.71
20 France	1.01	0.98	0.96	Thailand	na	na	0.67	New Zealand	0.81	0.72	0.71
21 Finland	0.68	0.91	0.94	Portugal	na	na	0.64	Ireland	0.6	0.77	0.67
22 Portugal	0.93	0.83	0.89	Israel	0.58	0.63	0.63	Portugal	0.2	0.35	0.67
23 Iran	na	na	0.86	Hong Kong	0.66	0.67	0.63	Austria	0.57	0.49	0.64
24 Greece	0.67	0.81	0.80	South Korea	na	0.62	0.62	Finland	0.58	0.77	0.63
25 Norway	0.74	0.94	0.80	Taiwan	0.68	0.66	0.59	South Africa	0.74	0.71	0.62
26 Slovenia	na	na	0.79	Brazil	0.47	0.44	0.58	Hong Kong	na	na	0.61
27 Taiwan	0.74	0.84	0.77	Hungary	0.50	0.56	0.57	Poland	0.49	0.47	0.57
28 Chile	0.78	0.52	0.74	Mexico	0.54	0.55	0.56	South Korea	0.39	0.28	0.57
29 Brazil	0.48	0.61	0.73	Greece	0.44	0.41	0.52	Hungary	0.46	0.43	0.56
30 Argentina	0.69	0.58	0.69	Argentina	0.43	0.45	0.50	Taiwan	na	0.57	0.51
31 South Korea	0.58	0.75	0.67	Czech Republic	na	na	0.50	Argentina	0.41	0.43	0.50
32 Venezuela	0.96	na	0.66	Singapore	na	0.45	0.50	China	0.28	0.37	0.45
33 South Africa	0.78	0.81	0.66	Poland	0.46	0.48	0.49	Greece	0.27	0.32	0.41
34 China	0.58	0.57	0.61	South Africa	0.38	0.44	0.46	Czech Republic	na	na	0.41
35 Hungary	0.66	0.62	0.59	Egypt	0.23	0.28	0.36	Turkey	0.43	0.4	0.38
36 Czech Republic	na	na	0.57	China	0.32	0.31	0.34	Russia	na	na	0.37
37 Poland	0.52	0.56	0.56	Kenya	0.49	0.51	0.31	Croatia	na	na	0.34
38 Mexico	0.64	0.60	0.55	Saudi Arabia	0.45	0.36	0.30	Ukraine	na	na	0.34
39 Croatia	na	na	0.54	Slovakia	na	na	0.30	India	0.3	0.29	0.34
40 India	0.42	0.48	0.54	India	0.27	0.28	0.30	Slovakia	na	na	0.32
41 Bulgaria	0.34	0.51	0.53	Turkey	0.33	0.25	0.29	Bulgaria	0.24	0.25	0.24
42 Morocco	na	na	0.51	Chile	0.29	0.23	0.25	Saudi Arabia	0.2	0.3	0.19
43 Turkey	0.64	0.62	0.49	Russia	na	na	0.16	Egypt	0.16	0.18	0.17
44 Malaysia	na	na	0.49					Singapore	0.25	na	0.16
45 Slovakia	na	na	0.39								
46 Saudi Arabia	0.64	0.43	0.37								
47 Egypt	0.39	0.29	0.32								
48 Yugoslavia	0.54	0.53	0.32								
49 Romania	0.21	0.31	0.28								
50 Russia	na	na	0.28								

  

Country/economy	Engineering and technology			Country/economy	Mathematics			Country/economy	Physics		
	1990	1994	1999		1990	1994	1999		1990	1994	1999
1 Switzerland	1.32	1.48	1.77	Byelarus	na	na	1.55	United States	1.54	1.50	1.47
2 Denmark	1.21	1.60	1.34	Denmark	1.33	1.74	1.36	Switzerland	1.64	1.51	1.36
3 Netherlands	1.45	1.27	1.24	Slovenia	na	na	1.36	Denmark	1.28	1.38	1.35
4 United States	1.30	1.24	1.20	United States	1.29	1.26	1.24	Germany	1.27	1.31	1.27
5 Sweden	0.96	1.07	1.11	Norway	1.35	1.20	1.23	Netherlands	1.27	1.34	1.26
6 France	1.10	1.14	1.10	United Kingdom	1.11	1.19	1.23	Austria	0.97	1.05	1.15
7 Italy	0.86	0.92	1.10	Argentina	0.77	0.87	1.16	Israel	1.19	1.05	1.12
8 Argentina	0.87	0.84	1.09	Germany	0.80	0.87	1.08	Sweden	1.09	1.06	1.10
9 Germany	0.80	0.97	1.06	Switzerland	1.16	0.99	1.07	United Kingdom	1.03	1.05	1.07
10 Spain	0.85	1.20	1.06	Belgium	0.92	0.98	1.04	New Zealand	1.01	1.08	1.07
11 Australia	1.08	1.05	1.05	Ireland	0.27	0.50	1.02	France	0.99	1.11	1.03
12 Norway	0.76	0.71	1.04	Sweden	1.10	1.16	1.02	Finland	1.09	1.14	1.01
13 Austria	0.90	0.81	1.01	Australia	1.21	1.02	1.02	Canada	0.92	1.02	0.99
14 Belgium	1.04	1.14	1.01	Italy	0.91	0.85	0.94	Belgium	0.96	0.91	0.96
15 Portugal	0.66	0.68	1.01	Netherlands	0.98	0.95	0.94	Spain	0.67	0.80	0.95
16 Czech Republic	na	na	1.00	Hong Kong	0.68	0.80	0.94	Italy	0.86	0.87	0.94
17 Japan	0.90	0.96	1.00	Canada	0.87	0.78	0.92	Ireland	0.80	1.03	0.93
18 United Kingdom	0.99	1.07	0.99	Finland	1.01	1.09	0.92	Australia	0.88	0.86	0.90
19 New Zealand	0.62	0.89	0.99	France	1.03	1.09	0.89	Hungary	0.61	0.67	0.87
20 Hungary	0.57	0.61	0.98	Tunisia	0.75	na	0.87	Japan	0.90	0.89	0.87
21 Finland	0.84	1.03	0.95	Singapore	0.22	0.67	0.87	Norway	0.67	0.79	0.84
22 Slovenia	na	na	0.94	South Korea	0.43	0.47	0.83	Portugal	0.54	0.67	0.84
23 South Korea	1.00	0.71	0.90	South Africa	1.10	0.72	0.82	Slovenia	na	na	0.83
24 Canada	0.83	0.90	0.89	Israel	0.99	0.83	0.79	Argentina	0.58	0.62	0.81
25 Israel	0.96	0.94	0.86	Spain	0.70	0.95	0.79	Greece	0.57	0.70	0.79
26 Ireland	na	1.12	0.85	Taiwan	1.04	0.49	0.78	Lithuania	na	na	0.76
27 Singapore	0.83	0.60	0.83	Venezuela	0.89	0.91	0.76	Hong Kong	na	na	0.76
28 Chile	na	na	0.80	Hungary	0.46	0.60	0.74	South Africa	0.59	0.57	0.74
29 Greece	0.81	0.81	0.80	Turkey	0.88	0.68	0.73	Chile	na	na	0.69
30 Brazil	0.73	0.73	0.78	Poland	0.57	0.54	0.73	Brazil	0.49	0.55	0.68

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 5-52.

**Relative prominence of scientific literature by country/economy and field: 1990, 1994, and 1999**  
 (Relative Citation Indexes<sup>1</sup>)

Country/economy	Engineering and technology			Country/economy	Mathematics			Country/economy	Physics		
	1990	1994	1999		1990	1994	1999		1990	1994	1999
31 Hong Kong	0.96	0.77	0.78	Japan	0.64	0.78	0.72	Mexico	0.66	0.55	0.67
32 Taiwan	0.93	0.80	0.78	Chile	0.97	0.94	0.71	Croatia	na	na	0.62
33 China	0.58	0.59	0.71	Portugal	0.35	0.63	0.71	Slovakia	na	na	0.62
34 Mexico	0.52	0.85	0.70	Czech Republic	na	na	0.71	South Korea	0.60	0.62	0.62
35 Turkey	0.62	0.37	0.70	Mexico	0.87	0.57	0.70	Czech Republic	na	na	0.61
36 Poland	0.64	0.59	0.69	Slovakia	na	na	0.67	Poland	0.48	0.55	0.61
37 Bulgaria	0.68	0.59	0.68	Greece	0.63	0.74	0.66	Yugoslavia	0.54	0.47	0.58
38 India	0.66	0.60	0.68	Brazil	0.58	1.02	0.65	Taiwan	0.48	0.51	0.55
39 South Africa	0.64	0.62	0.61	New Zealand	0.87	1.07	0.65	Turkey	na	0.44	0.51
40 Kuwait	0.49	0.62	0.60	Austria	0.84	0.84	0.64	India	0.39	0.47	0.51
41 Saudi Arabia	0.48	0.42	0.58	China	0.42	0.47	0.62	Bulgaria	0.44	0.39	0.48
42 Yugoslavia	0.80	0.66	0.57	Croatia	na	na	0.59	Russia	na	na	0.45
43 Romania	0.30	0.42	0.57	Bulgaria	0.45	0.76	0.59	Romania	0.31	0.41	0.44
44 Slovakia	na	na	0.57	Ukraine	na	na	0.56	Singapore	na	na	0.44
45 Egypt	0.41	0.45	0.52	Romania	0.55	0.72	0.55	China	0.30	0.36	0.43
46 Byelarus	na	na	0.44	Yugoslavia	0.56	0.52	0.53	Byelarus	na	na	0.33
47 Russia	na	na	0.40	India	0.51	0.50	0.52	Ukraine	na	na	0.31
48 Ukraine	na	na	0.31	Vietnam	0.87	0.60	0.50	Egypt	0.32	0.26	0.30
49				Russia	na	na	0.46	Armenia	na	na	0.29
50				Saudi Arabia	0.59	0.88	0.42	Uzbekistan	na	na	0.18

  

Country/economy	Social Sciences			Country/economy	Psychology			Country/economy	Health		
	1990	1994	1999		1990	1994	1999		1990	1994	1999
1 United States	1.31	1.29	1.28	United Kingdom	1.10	1.20	1.16	Finland	1.09	0.91	1.38
2 United Kingdom	0.91	0.98	1.07	United States	1.14	1.12	1.12	United States	1.15	1.14	1.14
3 Spain	0.46	0.80	1.01	Canada	1.17	1.03	1.07	Netherlands	0.93	1.08	1.13
4 Chile	na	na	0.88	New Zealand	0.80	0.83	1.06	China	0.65	0.69	0.98
5 Netherlands	0.73	0.73	0.87	Netherlands	0.72	1.05	1.03	New Zealand	0.68	0.74	0.97
6 Sweden	0.79	0.87	0.86	Italy	0.97	0.89	0.93	Sweden	1.00	1.03	0.93
7 Canada	0.95	0.84	0.84	Argentina	0.46	0.78	0.90	United Kingdom	0.71	0.81	0.90
8 South Korea	0.56	0.52	0.84	Brazil	0.21	0.81	0.90	Spain	0.47	0.58	0.89
9 Hong Kong	0.47	0.40	0.82	Hungary	0.21	0.47	0.90	Australia	0.64	0.90	0.88
10 Portugal	na	na	0.81	Finland	0.81	1.10	0.89	Canada	0.82	0.78	0.87
11 Singapore	0.32	0.72	0.79	Belgium	0.63	0.92	0.86	Austria	0.55	0.11	0.83
12 New Zealand	0.57	0.71	0.78	Spain	0.59	0.67	0.85	Italy	0.80	0.99	0.73
13 Norway	0.43	0.92	0.76	Norway	0.91	0.90	0.82	Norway	0.63	0.83	0.71
14 Belgium	0.83	0.58	0.72	Australia	0.77	0.81	0.80	Denmark	0.35	0.88	0.70
15 Finland	0.40	0.58	0.72	Sweden	1.20	1.14	0.78	South Africa	1.06	0.24	0.67
16 Switzerland	0.38	0.50	0.66	Ireland	na	na	0.76	Ireland	0.00	0.30	0.67
17 Australia	0.63	0.67	0.65	Israel	0.74	0.63	0.74	France	0.51	0.55	0.64
18 France	0.35	0.44	0.61	France	0.54	0.73	0.74	Mexico	na	0.69	0.56
19 Italy	0.44	0.57	0.61	Germany	0.45	0.53	0.72	Israel	0.40	0.45	0.56
20 Israel	0.95	0.85	0.60	China	na	0.21	0.68	Hungary	0.79	1.06	0.53
21 Mexico	0.45	0.52	0.56	Portugal	na	na	0.66	Japan	0.53	0.81	0.53
22 Ireland	0.29	0.43	0.56	Austria	0.53	0.57	0.65	Hong Kong	0.59	0.36	0.49
23 Denmark	0.66	1.66	0.55	Denmark	0.83	0.50	0.63	Germany	0.51	0.43	0.48
24 Brazil	0.49	0.34	0.53	Hong Kong	0.77	0.40	0.62	Switzerland	0.38	0.50	0.48
25 Turkey	na	0.38	0.52	Switzerland	0.49	0.66	0.59	South Korea	na	na	0.43
26 Banglad	0.0a	0.59	0.52	Poland	0.46	0.49	0.59	Taiwan	na	na	0.43
27 Croatia	na	na	0.50	Mexico	0.81	0.44	0.55	Greece	0.00	0.00	0.41
28 China	0.21	0.47	0.47	Taiwan	na	0.22	0.46	Nigeria	0.32	0.25	0.39
29 Austria	0.26	0.44	0.45	Venezuela	na	na	0.44	Belgium	0.52	0.51	0.34
30 South Africa	0.51	0.57	0.44	Japan	0.51	0.43	0.43	Brazil	0.41	0.30	0.27
31 Germany	0.35	0.36	0.42	South Africa	0.29	0.43	0.39	Saudi Arabia	0.19	0.26	0.18
32 Greece	0.63	0.52	0.41	Greece	na	na	0.39	India	0.42	0.28	0.17
33 Japan	0.52	0.45	0.41	South Korea	na	na	0.38	Argentina	na	na	0.00
34 Taiwan	0.31	0.19	0.37	India	0.28	0.22	0.32				
35 Poland	0.24	0.36	0.35	Czech Republic	na	na	0.22				
36 Argentina	0.15	0.30	0.30	Russia	na	na	0.15				
37 India	0.22	0.22	0.24	Slovakia	na	na	0.11				
38 Hungary	0.30	0.52	0.22								
39 Nigeria	0.25	0.37	0.21								
40 Czech Republic	na	na	0.16								
41 Russia	na	na	0.13								
42 Slovakia	na	na	0.06								
43 Pakistan	na	na	0.06								

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 5-52.

**Relative prominence of scientific literature by country/economy and field: 1990, 1994, and 1999**  
(Relative Citation Indexes<sup>1</sup>)

Rank		Professional		
		1990	1994	1999
1	Denmark	0.97	0.52	1.17
2	United States	1.13	1.14	1.16
3	Hong Kong	0.72	1.10	0.99
4	Canada	0.89	0.94	0.89
5	Netherlands	0.79	0.76	0.86
6	Switzerland	0.44	0.65	0.86
7	Australia	0.76	0.80	0.84
8	Belgium	0.80	0.63	0.81
9	Israel	0.89	0.75	0.80
10	France	0.62	0.54	0.80
11	Singapore	0.30	0.66	0.77
12	Hungary	1.23	0.60	0.75
13	Finland	0.41	0.34	0.73
14	South Korea	na	0.84	0.73
15	New Zealand	0.96	0.67	0.73
16	United Kingdom	0.63	0.67	0.64
17	Spain	0.26	0.44	0.63
18	Brazil	na	0.14	0.62
19	Japan	0.57	0.78	0.62
20	Norway	0.44	0.60	0.58
21	Taiwan	na	0.93	0.57
22	Sweden	0.44	0.54	0.53
23	Austria	0.35	0.54	0.51
24	Italy	0.36	0.49	0.49
25	Ireland	0.32	na	0.47
26	Turkey	na	0.37	0.45
27	South Africa	0.57	0.65	0.42
28	Poland	0.30	0.16	0.42
29	India	0.32	0.36	0.41
30	China	0.15	0.15	0.35
31	Germany	0.28	0.32	0.31
32	Saudi Arabia	na	na	0.28
33	Mexico	na	na	0.21
34	Greece	0.24	0.35	0.20
35	Portugal	na	na	0.17
36	Russia	na	na	0.08
37	Nigeria	0.28	0.28	0.05

na = not applicable

NOTE: Germany has data for West Germany only prior to 1992.

SOURCES: Institute for Scientific Information, Science Citation and Social Citation Indexes; CHI Research, Inc., Science Indicators database; and National Science Foundation, Division of Science Resources Statistics.