

Appendix table 5-39

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**World share of all S&E articles and top 1% of cited articles and index of highly cited articles, by field and selected region/country:
1995, 2000, and 2005**

(Percent)

Field/citation period	Share all articles			Share top 1% cited articles			Index of highly cited articles		
	U.S.	EU	Asia-10	U.S.	EU	Asia-10	U.S.	EU	Asia-10
All fields									
1995	36.0	32.8	12.5	62.3	24.7	4.9	1.73	0.75	0.39
2000	32.4	35.4	14.9	59.9	25.9	5.6	1.85	0.73	0.38
2005	29.9	34.6	18.2	54.6	29.0	7.5	1.83	0.84	0.41
Engineering									
1995	33.1	29.0	21.3	56.5	25.4	10.6	1.71	0.88	0.50
2000	27.1	30.8	25.4	45.3	29.5	15.3	1.67	0.96	0.60
2005	22.4	30.9	30.6	42.0	28.4	20.2	1.88	0.92	0.66
Astronomy									
1995	35.5	35.1	8.4	56.4	25.4	2.3	1.59	0.72	0.28
2000	34.1	40.3	8.5	53.2	35.2	4.6	1.56	0.87	0.55
2005	32.5	40.5	9.9	52.4	36.3	2.7	1.61	0.90	0.28
Chemistry									
1995	22.8	36.2	18.6	55.6	27.0	8.2	2.44	0.75	0.44
2000	20.3	38.7	22.0	48.6	30.2	11.5	2.39	0.78	0.52
2005	18.6	35.0	27.6	42.3	31.1	17.8	2.27	0.89	0.65
Physics									
1995	27.5	32.5	17.6	52.8	30.0	7.7	1.92	0.92	0.44
2000	21.8	35.8	22.0	43.6	35.5	11.4	2.00	0.99	0.52
2005	19.6	34.7	26.8	38.9	33.3	17.5	1.98	0.96	0.65
Geosciences									
1995	37.2	28.7	8.8	67.2	16.7	1.4	1.81	0.58	0.16
2000	33.7	33.6	9.9	56.6	26.2	3.3	1.68	0.78	0.33
2005	30.5	33.2	13.2	48.3	30.0	6.3	1.58	0.91	0.48
Mathematics									
1995	38.7	34.6	9.6	56.1	28.5	3.9	1.45	0.82	0.41
2000	31.5	38.9	12.0	57.6	28.6	2.6	1.83	0.74	0.22
2005	25.6	40.5	15.6	45.9	32.7	12.3	1.79	0.81	0.79
Computer sciences									
1995	53.9	22.4	11.7	72.6	12.3	4.4	1.35	0.55	0.38
2000	43.5	27.4	15.6	58.5	27.9	3.5	1.34	1.02	0.23
2005	36.1	31.6	18.5	69.3	16.6	5.8	1.92	0.53	0.32
Agricultural sciences									
1995	36.0	26.2	12.3	46.2	27.1	4.1	1.28	1.04	0.33
2000	28.9	32.9	12.2	38.7	38.0	4.8	1.34	1.15	0.39
2005	26.9	33.3	15.5	39.6	34.6	8.7	1.47	1.04	0.56
Biological sciences									
1995	38.6	32.8	10.7	66.2	22.8	4.6	1.72	0.69	0.43
2000	36.5	34.5	12.3	63.3	22.7	5.5	1.73	0.66	0.45
2005	35.0	33.8	14.8	60.2	25.8	5.9	1.72	0.76	0.40
Medical sciences									
1995	39.1	36.1	9.4	60.7	26.3	4.5	1.55	0.73	0.48
2000	36.0	38.3	11.3	60.6	26.5	3.9	1.68	0.69	0.34
2005	34.4	37.7	13.0	57.1	29.8	4.5	1.66	0.79	0.35
Other life sciences									
1995	69.4	18.3	1.2	88.5	6.9	0.0	1.28	0.38	0.00
2000	60.6	22.8	1.6	76.4	17.8	0.1	1.26	0.78	0.05
2005	56.1	24.3	3.9	78.4	14.6	1.5	1.40	0.60	0.38
Psychology									
1995	59.7	21.7	2.5	76.7	10.7	0.0	1.28	0.50	0.00
2000	55.8	25.0	3.2	70.2	17.8	0.2	1.26	0.71	0.05
2005	52.2	27.5	3.4	68.4	20.9	0.3	1.31	0.76	0.09

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(Percent)

Field/citation period	Share all articles			Share top 1% cited articles			Index of highly cited articles		
	U.S.	EU	Asia-10	U.S.	EU	Asia-10	U.S.	EU	Asia-10
Social sciences									
1995	54.0	25.2	4.0	77.3	15.6	0.9	1.43	0.62	0.21
2000	49.4	29.1	4.0	69.7	22.5	1.3	1.41	0.77	0.33
2005	46.3	31.2	5.0	67.1	21.2	1.4	1.45	0.68	0.27

EU = European Union

NOTES: Share of all articles based on a 3-year period. Article counts from set of journals covered by Science Citation Index (SCI) and Social Sciences Citation Index (SSCI). Articles classified by year they entered database and assigned to region/country/economy on basis of institutional address(es) listed on article. Articles on fractional-count basis, i.e., for articles with collaborating institutions from multiple countries/economies, each country/economy receives fractional credit on basis of proportion of its participating institutions. Citation data based on year article entered database. Citation counts based on 3-year period with 2-year lag, e.g., citations for 1995 are references made in articles in 1995 data tape to articles in 1991–93 data tapes. Index of highly cited articles is share of world's top 1% cited articles divided by share of world articles in cited year window. See appendix table 5-33 for countries/economies included in EU and Asia-10.

SOURCES: Thomson Scientific, SCI and SSCI, <http://scientific.thomson.com/products/categories/citation/>; iPLQ, Inc.; and National Science Foundation, Division of Science Resources Statistics, special tabulations.