

S&E articles in all fields, by region/country/economy: 1995–2005

Region/country/economy	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	Average annual change (%)		
												1995–2000	2000–2005	1995–2005
World.....	564,645	581,751	588,488	602,381	610,203	630,452	629,353	638,378	661,708	688,615	709,541	2.2	2.4	2.3
United States.....	193,337	193,153	189,752	190,395	188,004	192,743	190,592	190,495	196,427	202,075	205,320	-0.1	1.3	0.6
European Union.....	195,897	203,947	208,900	214,755	217,186	222,688	220,406	221,719	224,834	230,464	234,868	2.6	1.1	1.8
Austria.....	3,425	3,646	3,947	4,074	4,158	4,257	4,480	4,460	4,692	4,716	4,566	4.4	1.4	2.9
Belgium.....	5,172	5,554	5,532	5,688	5,713	5,735	5,827	6,037	6,302	6,625	6,841	2.1	3.6	2.8
Bulgaria.....	959	954	985	929	867	909	746	815	775	808	764	-1.1	-3.4	-2.2
Cyprus.....	43	45	57	55	49	59	68	78	76	87	90	6.5	8.9	7.7
Czech Republic.....	1,955	2,185	2,304	2,264	2,360	2,481	2,571	2,747	2,820	3,178	3,169	4.9	5.0	5.0
Denmark.....	4,330	4,369	4,597	4,717	4,783	4,883	4,915	4,761	5,006	5,009	5,040	2.4	0.6	1.5
Estonia.....	215	270	230	305	341	328	346	321	355	389	439	8.8	6.0	7.4
Finland.....	4,077	4,330	4,452	4,513	4,719	4,844	4,930	4,904	4,898	5,018	4,811	3.5	-0.1	1.7
France.....	28,847	29,746	30,322	31,392	31,345	31,427	30,598	30,531	30,302	29,891	30,309	1.7	-0.7	0.5
Germany.....	37,645	39,213	41,415	42,953	42,963	43,509	42,674	42,436	42,228	43,009	44,145	2.9	0.3	1.6
Greece.....	2,058	2,249	2,434	2,611	2,626	2,976	3,204	3,447	3,587	3,928	4,291	7.7	7.6	7.6
Hungary.....	1,764	1,813	1,992	2,202	2,200	2,358	2,397	2,323	2,451	2,409	2,614	6.0	2.1	4.0
Ireland.....	1,218	1,254	1,331	1,520	1,459	1,581	1,588	1,629	1,681	1,935	2,120	5.4	6.0	5.7
Italy.....	17,880	19,234	19,402	20,056	20,327	21,409	22,090	22,483	23,765	24,759	24,645	3.7	2.9	3.3
Latvia.....	163	144	159	162	179	150	164	175	133	157	134	-1.7	-2.2	-1.9
Lithuania.....	179	189	216	257	274	262	283	335	308	404	406	7.9	9.2	8.5
Luxembourg.....	28	18	34	32	29	40	46	39	38	62	59	7.6	8.0	7.8
Malta.....	18	12	23	20	19	18	21	23	39	21	23	-0.6	5.8	2.6
Netherlands.....	12,089	12,413	12,444	12,500	12,168	12,341	12,117	12,481	12,657	13,240	13,885	0.4	2.4	1.4
Poland.....	4,549	4,507	4,565	4,786	5,100	5,506	5,629	6,019	6,582	6,672	6,844	3.9	4.4	4.2
Portugal.....	990	1,097	1,255	1,418	1,711	1,880	2,081	2,331	2,423	2,853	2,910	13.7	9.1	11.4
Romania.....	678	823	917	847	917	971	927	965	875	938	887	7.4	-1.8	2.7
Slovakia.....	1,079	1,140	1,070	1,140	979	978	923	954	898	1,070	919	-2.0	-1.2	-1.6
Slovenia.....	434	477	603	623	708	892	851	848	951	929	1,035	15.5	3.0	9.1
Spain.....	11,316	12,495	13,075	13,719	14,514	14,795	15,323	16,062	16,099	17,025	18,336	5.5	4.4	4.9
Sweden.....	9,287	9,558	9,655	9,835	9,890	9,883	10,022	9,872	9,677	9,853	10,012	1.3	0.3	0.8
United Kingdom.....	45,498	46,213	45,884	46,138	46,788	48,216	45,587	44,642	45,218	45,479	45,572	1.2	-1.1	0.0
Other Western Europe.....	13,199	14,172	14,731	15,315	15,928	16,590	16,811	17,706	19,005	21,426	22,333	4.7	6.1	5.4
Croatia.....	600	640	580	625	647	678	696	719	798	868	953	2.5	7.0	4.7
Iceland.....	156	145	143	174	143	150	177	195	195	191	206	-0.7	6.5	2.8
Norway.....	2,920	2,932	2,965	3,038	3,043	3,136	3,215	3,100	3,130	3,370	3,644	1.4	3.0	2.2
Switzerland.....	7,220	7,568	7,864	7,984	8,195	8,504	7,950	7,879	8,134	8,674	8,749	3.3	0.6	1.9
Turkey.....	1,715	2,228	2,481	2,795	3,223	3,484	4,151	5,226	6,039	7,434	7,815	15.2	17.5	16.4
Yugoslavia.....	504	563	595	607	563	542	500	480	584	772	849	1.4	9.4	5.4
All others.....	84	95	104	93	115	96	123	107	125	117	118	2.7	4.2	3.4
Other former USSR.....	22,871	22,537	21,927	20,919	20,920	20,882	19,160	19,333	18,473	18,256	17,822	-1.8	-3.1	-2.5
Armenia.....	166	198	172	166	164	175	157	173	184	191	180	1.1	0.5	0.8
Azerbaijan.....	139	118	86	92	66	79	68	78	110	110	116	-10.8	8.1	-1.8
Belarus.....	650	568	596	583	579	572	502	492	521	497	490	-2.5	-3.1	-2.8

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Region/country/economy	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	Average annual change (%)		
												1995–2000	2000–2005	1995–2005
Georgia	118	127	136	128	132	134	116	128	112	150	145	2.6	1.5	2.0
Kazakhstan	158	141	115	129	105	113	114	123	119	105	96	-6.5	-3.2	-4.8
Moldova	137	119	108	92	93	99	73	74	83	68	89	-6.4	-2.0	-4.2
Russia	18,603	18,553	18,133	17,166	17,145	17,180	15,658	15,847	15,146	14,921	14,412	-1.6	-3.5	-2.5
Ukraine	2,516	2,420	2,265	2,284	2,355	2,268	2,237	2,183	1,992	2,012	2,105	-2.1	-1.5	-1.8
Uzbekistan	327	250	269	244	241	223	195	184	174	170	157	-7.4	-6.7	-7.1
All others	56	42	46	36	41	40	41	53	32	32	32	-6.9	-3.9	-5.4
Asia-10	76,182	83,285	87,479	93,796	99,556	106,468	110,899	115,458	125,564	135,581	144,767	6.9	6.3	6.6
China	9,061	10,526	12,172	13,781	15,715	18,479	21,134	23,269	28,768	34,846	41,596	15.3	17.6	16.5
India	9,370	9,753	9,618	9,945	10,190	10,276	10,801	11,665	12,461	13,367	14,608	1.9	7.3	4.5
Indonesia	129	141	146	136	163	182	189	178	157	182	205	7.0	2.5	4.7
Japan	47,068	50,345	51,462	53,838	55,274	57,101	56,082	56,346	57,228	56,534	55,471	3.9	-0.6	1.7
Malaysia	366	362	349	387	471	460	472	494	479	586	615	4.7	6.0	5.3
Philippines	145	158	170	171	176	185	141	182	184	163	178	5.0	-0.7	2.1
Singapore	1,141	1,141	1,339	1,584	1,897	2,361	2,434	2,632	2,939	3,384	3,609	15.6	8.9	12.2
South Korea	3,803	4,771	5,802	7,057	8,478	9,572	11,007	11,735	13,401	15,255	16,396	20.3	11.4	15.7
Taiwan	4,759	5,701	6,016	6,355	6,643	7,190	7,912	8,123	8,929	10,133	10,841	8.6	8.6	8.6
Thailand	340	387	405	541	549	663	727	834	1,019	1,131	1,249	14.3	13.5	13.9
Other Asia	740	666	665	674	760	765	782	837	1,035	1,041	1,194	0.7	9.3	4.9
Bangladesh	162	156	136	141	167	155	181	151	200	187	193	-0.9	4.5	1.8
Pakistan	313	255	268	268	296	267	279	343	360	413	492	-3.1	13.0	4.6
Sri Lanka	85	71	62	83	87	98	73	103	141	119	136	2.7	6.8	4.7
Vietnam	103	117	121	100	111	147	155	144	205	167	221	7.2	8.5	7.9
All others	76	67	78	82	100	98	93	96	129	155	152	5.4	9.1	7.2
Near East/North Africa	9,476	9,489	9,989	10,227	10,408	11,136	11,430	11,935	12,863	13,265	13,839	3.3	4.4	3.9
Algeria	146	156	160	156	185	211	220	230	281	344	350	7.6	10.6	9.1
Egypt	1,388	1,292	1,266	1,275	1,293	1,433	1,463	1,564	1,717	1,661	1,658	0.6	3.0	1.8
Iran	279	318	391	541	665	841	1,035	1,314	1,790	2,116	2,635	24.7	25.7	25.2
Israel	5,741	5,751	6,047	6,018	5,929	6,290	6,232	6,381	6,524	6,461	6,309	1.8	0.1	0.9
Jordan	154	163	200	220	230	247	232	242	251	281	275	9.9	2.2	6.0
Kuwait	189	209	224	235	296	238	245	228	230	244	233	4.7	-0.4	2.1
Lebanon	55	63	103	103	124	144	195	159	211	198	234	21.3	10.2	15.6
Morocco	240	274	297	376	438	466	458	466	400	417	443	14.2	-1.0	6.3
Oman	57	52	63	80	89	92	101	113	108	99	111	10.1	3.7	6.9
Saudi Arabia	753	734	676	683	605	590	565	583	549	551	575	-4.8	-0.5	-2.7
Syria	51	45	60	44	58	55	63	49	68	79	77	1.4	7.1	4.2
Tunisia	143	160	220	227	257	292	351	355	436	455	571	15.4	14.3	14.9
United Arab Emirates	120	143	152	156	130	145	156	163	178	210	229	3.8	9.6	6.7
All others	160	129	129	113	109	93	114	88	119	149	139	-10.3	8.4	-1.4
Central/South America	9,521	10,506	11,696	13,008	13,994	15,062	16,078	17,462	18,225	19,712	20,395	9.6	6.2	7.9
Argentina	1,967	2,287	2,451	2,551	2,636	2,846	2,931	3,178	2,919	2,982	3,058	7.7	1.4	4.5
Brazil	3,436	3,813	4,498	5,234	5,859	6,407	7,052	7,881	8,330	9,573	9,889	13.3	9.1	11.1

Appendix table 5-34

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Region/country/economy	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	Average annual change (%)		
												1995–2000	2000–2005	1995–2005
Chile.....	889	920	954	992	1,059	1,115	1,159	1,311	1,406	1,464	1,559	4.6	6.9	5.8
Colombia.....	162	195	235	248	240	332	316	356	325	358	400	15.4	3.8	9.4
Costa Rica.....	66	75	77	73	69	80	90	89	89	85	105	4.0	5.5	4.7
Cuba.....	168	206	167	236	257	284	272	206	268	254	261	11.1	-1.7	4.5
Mexico.....	1,937	2,124	2,302	2,659	2,884	2,971	3,203	3,320	3,659	3,870	3,902	8.9	5.6	7.3
Peru.....	65	70	75	66	62	79	94	88	130	106	133	4.0	10.9	7.4
Uruguay.....	103	111	141	141	150	156	149	161	186	194	204	8.5	5.6	7.1
Venezuela.....	437	426	488	534	498	516	510	536	577	475	534	3.4	0.7	2.0
All others.....	290	278	310	276	281	277	301	335	335	351	351	-0.9	4.8	1.9
Sub-Saharan Africa.....	4,052	3,909	3,972	3,930	4,002	3,927	3,860	4,050	3,947	4,098	4,178	-0.6	1.2	0.3
Cameroon.....	66	60	83	74	71	73	76	107	120	127	131	2.1	12.3	7.1
Ethiopia.....	94	97	95	79	110	90	78	102	92	106	88	-0.8	-0.5	-0.7
Ghana.....	58	72	82	71	74	92	79	79	76	86	81	9.6	-2.5	3.4
Kenya.....	287	274	272	265	243	232	228	242	239	225	226	-4.2	-0.5	-2.4
Nigeria.....	450	435	437	402	417	400	304	363	358	381	362	-2.3	-2.0	-2.1
Senegal Republic.....	68	70	62	67	76	74	59	51	77	63	83	1.6	2.4	2.0
South Africa.....	2,351	2,216	2,223	2,225	2,303	2,221	2,291	2,328	2,205	2,320	2,392	-1.1	1.5	0.2
Tanzania.....	97	103	98	96	87	95	81	93	76	89	107	-0.3	2.3	1.0
Uganda.....	42	51	51	64	71	78	83	73	88	120	93	13.2	3.8	8.4
All others.....	540	532	568	586	552	572	581	612	616	582	615	1.2	1.4	1.3
Other.....	39,371	40,088	39,377	39,363	39,445	40,192	39,335	39,384	41,335	42,696	44,826	0.4	2.2	1.3
Australia.....	13,125	13,623	13,816	14,307	14,341	14,589	14,484	14,255	14,934	15,586	15,957	2.1	1.8	2.0
Canada.....	23,740	23,842	22,781	22,201	22,125	22,701	21,945	22,342	23,552	24,230	25,836	-0.9	2.6	0.8
New Zealand.....	2,442	2,575	2,726	2,802	2,915	2,851	2,851	2,740	2,800	2,825	2,983	3.1	0.9	2.0
All others.....	63	47	54	53	63	51	55	48	49	55	49	-4.1	-0.7	-2.5

USSR = Union of Soviet Socialist Republics

NOTES: Article counts from set of journals covered by Science Citation Index (SCI) and Social Sciences Citation Index (SSCI). Articles classified by year of publication 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. Countries with article output <0.01% of world output in 2005 grouped in All others; see appendix table 5-33 for countries/economies included in each region. Detail may not add to total because of rounding.

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

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