

S&E articles, by region and country/economy: 1988–2001

Region and country/economy	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Worldwide	466,419	497,102	508,795	515,530	547,617	540,491	567,204	580,809	593,568	594,467	617,762	632,059	632,781	649,795
OECD.....	386,267	411,328	422,129	429,770	456,039	454,461	475,034	487,111	498,275	495,870	514,070	523,075	520,349	532,756
North America	199,937	210,770	215,389	218,000	224,381	222,723	225,997	229,320	228,504	222,878	223,300	224,866	222,044	226,704
Canada.....	21,391	22,501	22,792	22,903	24,180	23,824	24,565	24,532	24,583	23,077	22,796	23,417	22,873	22,626
Mexico.....	884	1,046	1,038	1,082	1,336	1,502	1,663	1,901	2,124	2,271	2,615	2,925	2,950	3,209
United States.....	177,662	187,224	191,559	194,015	198,864	197,397	199,769	202,887	201,798	197,531	197,890	198,524	196,221	200,870
Western Europe	143,882	155,249	159,898	163,709	178,406	178,935	193,033	199,688	207,784	210,538	221,670	226,002	225,696	229,173
Austria.....	2,241	2,675	2,690	2,756	3,047	3,051	3,177	3,477	3,618	3,880	4,172	4,210	4,259	4,526
Belgium.....	3,586	3,905	4,103	4,164	4,431	4,512	4,949	5,260	5,583	5,509	5,822	5,924	5,739	5,984
Croatia.....	na	na	na	na	17	575	508	563	614	631	589	671	704	710
Cyprus.....	15	15	17	8	22	24	24	41	54	66	61	58	60	74
Denmark.....	3,445	3,722	3,716	3,776	4,141	4,068	4,458	4,408	4,477	4,512	4,782	4,909	4,929	4,988
Finland.....	2,789	2,981	3,071	3,211	3,438	3,603	3,974	4,134	4,354	4,523	4,564	4,872	4,878	5,098
France.....	21,409	22,686	22,937	23,518	26,172	26,225	28,266	29,309	29,755	30,061	31,809	32,097	30,960	31,317
Germany.....	29,292	31,821	32,295	32,929	35,120	34,103	36,901	38,100	39,123	40,743	43,953	43,550	43,440	43,623
Greece.....	1,239	1,518	1,397	1,598	1,736	1,759	1,974	2,068	2,265	2,407	2,666	2,705	2,892	3,329
Iceland.....	69	68	89	104	105	122	137	158	149	147	177	136	154	174
Ireland.....	790	826	902	915	946	1,003	1,168	1,210	1,269	1,318	1,526	1,526	1,596	1,665
Italy.....	11,229	12,509	13,062	13,778	15,462	15,279	17,000	17,904	19,342	19,147	20,321	20,819	21,038	22,313
Macedonia.....	0	0	0	0	1	27	33	34	37	51	42	45	49	74
Netherlands.....	8,581	9,736	10,176	10,106	11,060	11,360	11,961	12,330	12,438	12,779	12,756	12,642	12,466	12,602
Norway.....	2,192	2,247	2,426	2,403	2,655	2,637	2,805	2,953	2,950	3,012	3,100	3,127	3,195	3,252
Portugal.....	429	510	587	640	712	794	914	989	1,090	1,250	1,404	1,765	1,813	2,142
Slovenia.....	na	na	na	na	10	404	459	443	478	595	625	707	901	876
Spain.....	5,432	6,116	6,837	7,269	9,267	9,759	10,534	11,343	12,234	13,040	13,786	14,860	14,776	15,570
Sweden.....	7,573	8,126	8,172	8,139	8,273	8,547	8,972	9,284	9,697	9,677	9,967	10,129	9,815	10,314
Switzerland.....	5,316	5,548	5,901	6,098	6,651	6,871	7,372	7,361	7,489	7,912	8,096	8,297	8,454	8,107
Turkey.....	507	668	750	846	1,048	1,172	1,397	1,713	2,206	2,440	2,818	3,240	3,482	4,098
United Kingdom.....	36,509	38,195	39,069	39,950	42,404	42,456	45,436	45,993	47,904	46,183	47,916	48,965	49,485	47,660
Yugoslavia.....	1,211	1,330	1,641	1,447	1,621	496	514	507	568	555	605	622	513	547
All others.....	28	48	58	57	71	89	101	104	89	103	112	126	99	129
Asia.....	51,765	56,331	59,282	61,165	68,489	68,965	74,503	78,055	83,545	86,710	95,623	102,318	104,544	113,575
Bangladesh.....	95	99	116	104	151	153	136	170	155	146	138	168	160	177
China.....	4,619	5,411	6,285	6,186	6,956	7,566	7,821	9,261	10,070	12,530	13,807	16,197	18,142	20,978
India.....	8,882	9,744	9,200	9,517	10,100	9,763	9,928	9,591	9,736	9,419	10,066	10,589	10,047	11,076
Indonesia.....	59	86	104	89	86	103	120	133	137	146	138	172	165	207
Japan.....	34,435	36,569	38,570	39,590	44,143	43,339	46,692	47,603	50,392	50,171	54,658	56,134	55,413	57,420
Malaysia.....	208	241	233	260	247	293	345	373	372	339	402	493	470	494
Pakistan.....	235	263	257	315	277	349	324	339	274	258	276	300	277	282
Philippines.....	127	149	157	148	150	148	141	151	153	174	167	187	177	158
Singapore.....	410	517	572	599	755	854	1,022	1,184	1,181	1,338	1,635	1,984	2,301	2,603
South Korea.....	771	1,035	1,170	1,361	1,759	2,184	2,931	3,806	4,728	5,636	7,075	8,386	9,386	11,037
Sri Lanka.....	107	101	106	84	82	83	85	82	78	68	75	94	104	76
Taiwan.....	1,414	1,724	2,119	2,492	3,337	3,693	4,446	4,846	5,696	5,878	6,463	6,838	7,008	8,082
Thailand.....	287	272	282	298	300	317	383	338	386	415	530	558	655	727

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Vietnam.....	52	66	60	65	74	67	61	102	113	120	107	112	144	158
All others.....	64	55	50	58	72	54	71	76	74	74	86	106	96	101
Eastern Europe/Central Asia.....	41,597	43,697	42,836	41,218	43,214	35,976	38,199	36,390	35,074	34,259	34,680	34,421	35,844	33,686
Armenia.....	na	na	na	na	21	165	178	182	179	186	169	156	167	152
Azerbaijan.....	na	na	na	na	15	197	189	157	125	87	94	70	89	68
Belarus.....	na	na	na	na	30	708	1,021	728	597	576	598	616	576	528
Bulgaria.....	1,089	1,219	1,216	1,169	1,218	1,380	1,024	963	968	977	931	900	887	784
Czech Republic.....	2,746	2,995	3,079	2,881	3,132	3,308	2,179	1,993	2,249	2,231	2,333	2,374	2,458	2,622
Estonia.....	na	na	na	na	2	177	202	240	248	255	299	320	344	339
Georgia.....	na	na	na	na	12	158	136	148	126	135	131	129	141	110
Hungary.....	1,714	1,847	1,722	1,806	1,824	1,718	1,774	1,826	1,839	1,939	2,144	2,313	2,292	2,479
Kazakhstan.....	na	na	na	na	19	250	191	173	143	125	122	109	113	116
Latvia.....	na	na	na	na	37	180	159	154	168	152	164	173	159	157
Lithuania.....	na	na	na	na	5	149	189	179	196	209	248	284	262	272
Moldova.....	na	na	na	na	15	156	159	140	136	116	98	95	96	77
Poland.....	4,030	4,245	3,999	3,919	4,113	3,848	4,041	4,535	4,597	4,445	4,891	5,195	5,342	5,686
Romania.....	393	513	377	395	568	507	675	648	871	835	858	909	956	997
Russia.....	na	na	na	na	817	19,659	21,612	19,974	18,464	18,343	17,841	17,149	18,271	15,846
Slovakia.....	na	na	na	na	44	0	1,151	1,137	1,175	1,051	1,144	997	1,007	955
Ukraine.....	na	na	na	na	162	2,894	2,923	2,856	2,600	2,287	2,362	2,351	2,365	2,256
USSR.....	31,625	32,879	32,443	31,047	31,127	130	na	na	na	na	na	na	na	na
Uzbekistan.....	na	na	na	na	50	275	290	295	347	264	213	242	273	204
All others.....	na	na	na	na	5	116	105	63	45	46	39	38	45	39
Near East/North Africa.....	7,893	8,389	8,226	8,143	8,410	8,815	9,124	9,627	9,691	10,041	10,500	10,731	11,092	11,777
Algeria.....	66	73	98	106	120	123	125	151	156	151	165	179	204	225
Egypt.....	1,130	1,278	1,254	1,429	1,288	1,279	1,380	1,359	1,359	1,242	1,302	1,362	1,376	1,548
Iran.....	86	91	94	126	150	175	233	271	312	366	523	699	825	995
Israel.....	4,916	5,134	4,968	4,873	5,234	5,575	5,559	5,921	5,815	6,203	6,240	6,091	6,314	6,487
Jordan.....	161	174	176	148	135	130	144	153	167	193	217	245	242	240
Kuwait.....	304	326	368	209	104	112	186	166	240	210	251	298	243	257
Lebanon.....	54	61	29	47	52	54	62	56	68	96	111	129	139	202
Morocco.....	113	108	97	128	170	164	182	237	256	298	370	425	471	469
Oman.....	13	20	27	32	37	42	46	53	63	63	76	88	99	96
Saudi Arabia.....	569	577	644	613	653	713	734	781	754	682	700	637	595	580
Tunisia.....	96	107	104	121	131	91	135	147	159	206	230	269	278	344
United Arab Emirates.....	23	30	33	57	77	109	98	122	145	154	157	137	144	159
All others.....	362	411	333	256	257	247	239	210	196	177	159	171	161	174
Pacific.....	12,054	12,802	12,962	12,915	13,775	14,267	15,223	15,922	16,643	16,761	17,719	18,189	17,791	17,743
Australia.....	9,896	10,730	10,664	10,742	11,452	11,929	12,695	13,387	13,911	13,955	14,710	15,186	14,700	14,788
New Zealand.....	2,075	1,993	2,227	2,102	2,253	2,256	2,454	2,466	2,684	2,748	2,953	2,927	3,037	2,903
All others.....	83	78	70	71	70	81	74	69	49	58	57	75	55	53
Central/South America.....	4,748	5,359	5,848	5,970	6,586	6,488	6,862	7,646	8,344	9,251	10,285	11,325	11,797	13,147
Argentina.....	1,423	1,518	1,627	1,499	1,526	1,585	1,747	1,969	2,212	2,430	2,546	2,705	2,792	2,930
Brazil.....	1,766	2,117	2,374	2,640	3,107	2,885	3,073	3,471	3,830	4,362	5,202	5,950	6,195	7,205
Chile.....	682	745	830	819	835	877	798	899	928	974	987	1,062	1,100	1,203

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Region and country/economy	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Colombia.....	86	111	122	106	125	122	145	167	196	230	237	254	320	324
Costa Rica.....	55	55	54	55	62	61	66	70	72	78	73	76	82	92
Cuba.....	67	90	108	94	131	113	141	166	194	177	234	242	282	299
Peru.....	68	67	77	70	73	66	64	68	72	71	71	60	77	93
Uruguay.....	42	50	57	64	81	91	84	98	115	133	136	159	158	155
Venezuela.....	292	328	314	329	377	395	420	430	432	484	528	523	509	535
All others.....	268	278	286	294	268	292	324	307	292	313	272	293	281	310
Sub-Saharan Africa.....	4,544	4,504	4,355	4,409	4,356	4,321	4,263	4,161	3,982	4,028	3,985	4,207	3,973	3,990
Cameroon.....	35	41	46	54	58	75	84	73	60	81	77	71	76	75
Ethiopia.....	71	58	70	93	88	84	86	99	88	109	80	106	90	93
Ghana.....	37	36	40	47	72	52	67	65	77	88	67	85	95	90
Kenya.....	291	300	255	260	295	346	280	310	275	256	270	278	237	230
Nigeria.....	886	864	815	719	666	604	470	464	433	458	418	451	428	332
Senegal.....	72	80	83	77	93	100	79	77	64	65	73	71	73	62
South Africa.....	2,523	2,499	2,406	2,552	2,419	2,377	2,459	2,364	2,282	2,237	2,268	2,366	2,237	2,327
Tanzania.....	64	71	69	77	93	94	105	92	107	100	91	104	100	87
Uganda.....	21	17	29	20	29	44	39	49	43	55	59	73	78	91
Zimbabwe.....	116	123	131	103	119	124	139	109	119	123	122	102	104	113
All others.....	425	415	412	407	425	422	454	459	436	455	459	501	457	490

na not applicable

OECD Organisation for Economic Co-operation and Development

NOTES: Article counts are from a set of journals classified and covered by the Institute for Scientific Information's Science Citation and Social Sciences Citation Indexes. Article counts are based on fractional assignments; for example, an article with two authors from different countries is counted as one-half of an article for each country. Countries with article output of less than 0.01 percent of world output in 2001 are grouped in "All others." Germany's output includes articles from the former East Germany before 1992. China's output includes articles from the Hong Kong economy before 2000. Czech Republic's output includes articles from the former Czechoslovakia before 1996. Article output from the former U.S.S.R. is included. Details may not add to totals because of rounding.

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