

Appendix table 5-53

S&E articles in psychology, by coauthorship attribute and selected country/economy: 1997–2012

Country/economy and coauthorship attribute	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
World																
Total articles	14,350	14,315	14,439	14,237	14,821	14,492	15,474	14,672	17,106	18,228	18,737	22,942	22,241	20,964	22,346	24,708
with multiple institutions	5,696	5,942	6,161	6,230	6,780	6,963	7,607	7,244	8,686	9,670	10,150	12,976	13,059	12,627	13,757	15,332
with domestic institutions only	13,156	12,978	13,084	12,881	13,212	12,795	13,490	12,733	14,820	15,474	15,766	19,101	18,240	17,019	17,851	19,623
with international institutions	1,194	1,337	1,355	1,356	1,609	1,697	1,984	1,939	2,286	2,754	2,971	3,841	4,001	3,945	4,495	5,085
Canada																
Total articles	1,076	1,146	1,059	1,045	1,171	1,135	1,179	1,130	1,287	1,453	1,536	1,719	1,915	1,737	1,829	2,038
with multiple institutions	447	553	519	510	637	645	678	669	782	927	992	1,179	1,267	1,170	1,234	1,415
with domestic institutions only	829	861	785	808	846	793	787	730	833	909	950	1,024	1,166	1,065	1,052	1,179
with international institutions	247	285	274	237	325	342	392	400	454	544	586	695	749	672	777	859
Mexico																
Total articles	28	55	56	66	56	50	77	65	74	81	77	116	92	79	78	77
with multiple institutions	18	29	25	31	28	33	47	30	38	47	49	71	70	54	60	49
with domestic institutions only	16	37	38	45	42	35	40	41	48	49	42	69	41	41	34	39
with international institutions	12	18	18	21	14	15	37	24	26	32	35	47	51	38	44	38
United States																
Total articles	8,500	8,116	8,211	7,892	8,270	8,168	8,472	7,950	9,111	9,565	9,453	11,209	11,218	10,582	10,991	12,283
with multiple institutions	3,791	3,784	3,985	3,871	4,199	4,234	4,633	4,367	5,044	5,595	5,627	6,973	7,149	6,820	7,246	8,080
with domestic institutions only	7,751	7,332	7,387	7,088	7,327	7,209	7,324	6,849	7,870	8,072	7,883	9,210	9,144	8,507	8,683	9,634
with international institutions	749	784	824	804	943	959	1,148	1,101	1,241	1,493	1,570	1,999	2,074	2,075	2,308	2,649
Argentina																
Total articles	19	19	33	14	20	20	20	21	27	33	24	62	37	45	45	56
with multiple institutions	9	7	17	8	7	13	12	14	11	23	16	29	23	28	41	39
with domestic institutions only	11	15	18	7	15	10	11	9	20	12	14	42	22	22	17	26
with international institutions	8	4	15	7	5	10	9	12	7	21	10	20	15	23	28	30
Brazil																
Total articles	38	55	54	60	52	65	65	74	81	97	96	286	121	128	133	178
with multiple institutions	19	35	28	41	34	42	38	49	51	65	73	162	89	96	106	137
with domestic institutions only	23	34	31	30	26	42	38	43	54	58	59	223	75	71	78	104
with international institutions	15	21	23	30	26	23	27	31	27	39	37	63	46	57	55	74
Chile																
Total articles	11	7	8	6	5	6	19	14	17	32	25	44	41	28	43	48
with multiple institutions	6	2	5	5	2	3	10	9	11	18	21	26	33	21	37	37
with domestic institutions only	8	6	6	2	3	4	10	6	9	18	7	23	16	14	15	21
with international institutions	3	1	2	4	2	2	9	8	8	14	18	21	25	14	28	27
Austria																
Total articles	67	58	44	45	63	75	80	87	102	88	89	160	149	168	206	210
with multiple institutions	26	23	20	23	28	42	42	54	69	53	68	115	98	122	152	156
with domestic institutions only	51	40	31	30	44	49	50	45	45	44	31	74	66	68	74	80
with international institutions	16	18	13	15	19	26	30	42	57	44	58	86	83	100	132	130

Appendix table 5-53

S&E articles in psychology, by coauthorship attribute and selected country/economy: 1997–2012

Country/economy and coauthorship attribute	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Belgium																
Total articles	113	124	125	117	150	156	196	211	264	313	331	411	433	438	460	535
with multiple institutions	59	64	59	68	70	92	114	123	167	183	199	268	290	314	338	369
with domestic institutions only	74	72	78	71	91	95	109	116	132	182	196	219	214	205	192	256
with international institutions	39	52	47	46	59	61	87	95	132	131	135	192	219	233	268	279
Czech Republic																
Total articles	48	53	41	49	49	50	43	47	49	65	85	70	71	80	87	72
with multiple institutions	24	26	17	19	24	21	24	19	18	31	44	40	38	46	55	43
with domestic institutions only	37	40	32	37	33	41	28	33	43	56	68	55	53	61	58	47
with international institutions	11	13	9	12	16	9	15	14	6	9	17	15	18	19	29	25
Denmark																
Total articles	26	44	58	55	58	74	87	75	85	80	119	116	132	112	143	187
with multiple institutions	16	17	28	24	28	39	48	41	51	52	75	82	88	75	108	137
with domestic institutions only	13	36	38	40	40	50	62	52	55	46	59	58	60	53	64	91
with international institutions	13	8	20	15	18	24	25	23	30	34	60	58	72	59	79	96
Finland																
Total articles	110	111	104	94	110	114	133	139	138	144	165	192	201	176	211	203
with multiple institutions	54	61	49	41	65	79	94	85	87	110	111	135	153	132	161	162
with domestic institutions only	84	80	78	71	76	59	78	100	88	78	95	113	108	101	112	101
with international institutions	26	31	26	23	34	55	55	39	50	66	70	79	93	75	99	102
France																
Total articles	337	352	375	324	341	352	372	365	450	464	504	741	602	557	679	687
with multiple institutions	173	204	194	192	207	228	234	238	306	321	350	518	459	434	562	569
with domestic institutions only	252	249	273	218	239	231	246	231	275	272	297	458	315	294	322	342
with international institutions	85	103	102	106	102	121	126	134	175	192	207	283	287	263	357	345
Germany																
Total articles	784	863	835	869	1,010	941	1,021	999	1,166	1,358	1,362	1,723	1,707	1,655	1,845	1,997
with multiple institutions	299	343	307	391	462	464	467	516	613	738	754	1,008	1,104	1,128	1,302	1,407
with domestic institutions only	633	677	669	673	744	680	757	706	823	915	906	1,150	1,031	994	1,067	1,164
with international institutions	151	186	166	196	266	261	264	293	343	443	456	573	676	661	778	833
Greece																
Total articles	21	14	22	17	20	24	39	39	52	76	50	77	81	85	93	100
with multiple institutions	12	10	12	9	11	15	25	18	35	44	26	48	44	65	57	79
with domestic institutions only	12	5	13	13	13	15	23	24	27	40	31	48	56	45	60	50
with international institutions	9	9	9	4	7	9	16	15	25	36	19	29	25	40	33	50
Hungary																
Total articles	21	16	19	12	28	16	33	32	33	33	35	55	55	46	54	69
with multiple institutions	12	6	15	5	18	13	26	28	25	21	30	37	45	42	43	57
with domestic institutions only	11	10	7	9	14	10	12	14	19	16	12	30	26	13	27	28
with international institutions	10	6	12	3	14	6	21	18	14	17	23	25	29	33	27	41

Appendix table 5-53

S&E articles in psychology, by coauthorship attribute and selected country/economy: 1997–2012

Country/economy and coauthorship attribute	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Ireland																
Total articles	36	47	25	52	39	51	33	54	60	47	60	94	103	103	102	130
with multiple institutions	21	15	10	27	26	29	21	37	35	37	38	75	78	76	73	93
with domestic institutions only	17	38	17	34	19	30	17	25	37	15	31	39	43	41	45	64
with international institutions	19	9	8	18	20	21	16	29	23	32	29	55	60	62	57	66
Italy																
Total articles	186	193	175	170	205	208	280	252	276	357	393	538	557	510	573	680
with multiple institutions	127	116	109	104	137	142	202	170	195	248	272	382	390	414	438	520
with domestic institutions only	109	122	104	109	126	126	154	149	160	197	218	291	302	243	322	358
with international institutions	77	71	71	61	79	82	126	103	116	160	175	247	255	267	251	322
Netherlands																
Total articles	479	503	510	496	552	544	672	630	752	850	923	1,225	1,197	1,227	1,299	1,366
with multiple institutions	229	267	274	275	317	342	420	377	492	563	615	832	862	897	947	1,052
with domestic institutions only	357	366	366	354	381	353	430	419	496	550	592	779	702	686	718	704
with international institutions	122	137	144	142	171	191	242	211	256	300	331	446	495	541	581	662
Poland																
Total articles	21	22	26	25	21	29	38	37	44	35	61	63	55	55	104	131
with multiple institutions	12	11	12	17	9	18	22	27	34	21	40	38	38	34	66	92
with domestic institutions only	11	13	18	10	14	16	19	17	16	17	31	34	23	33	58	62
with international institutions	10	9	8	15	7	13	19	20	28	18	30	29	32	22	46	69
Portugal																
Total articles	9	16	21	11	27	22	30	25	41	55	57	101	96	99	136	172
with multiple institutions	2	8	13	7	17	13	21	16	22	38	41	75	75	82	107	138
with domestic institutions only	8	8	9	5	11	10	14	13	22	29	22	49	41	37	49	73
with international institutions	1	8	12	6	16	12	16	12	19	26	35	52	55	62	87	99
Spain																
Total articles	167	149	158	178	182	184	241	233	283	442	461	702	480	464	535	602
with multiple institutions	72	68	65	91	99	95	154	137	173	253	281	394	350	322	386	463
with domestic institutions only	124	110	114	118	118	128	146	157	182	295	271	478	268	263	306	307
with international institutions	43	39	44	60	64	56	95	76	101	147	190	224	212	201	229	295
Sweden																
Total articles	204	207	195	239	207	227	267	223	267	286	315	348	318	300	334	355
with multiple institutions	107	104	120	127	116	140	171	134	165	201	198	257	224	217	246	250
with domestic institutions only	150	158	141	181	146	154	185	149	178	182	215	197	183	162	174	187
with international institutions	54	49	54	58	61	73	82	74	89	104	100	151	135	138	160	168
United Kingdom																
Total articles	1,384	1,526	1,606	1,647	1,643	1,574	1,761	1,735	2,116	2,252	2,415	2,814	2,788	2,532	2,779	2,978
with multiple institutions	634	748	763	816	879	882	983	997	1,242	1,396	1,549	1,862	1,837	1,746	1,920	2,062
with domestic institutions only	1,099	1,155	1,277	1,293	1,226	1,128	1,250	1,187	1,436	1,413	1,508	1,641	1,671	1,450	1,593	1,649
with international institutions	285	371	329	354	417	446	511	548	680	839	907	1,173	1,117	1,082	1,186	1,329

Appendix table 5-53

S&E articles in psychology, by coauthorship attribute and selected country/economy: 1997–2012

Country/economy and coauthorship attribute	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Norway																
Total articles	104	96	99	99	119	138	147	120	140	147	174	241	233	240	276	271
with multiple institutions	48	53	47	50	63	89	88	79	86	96	133	166	167	177	213	220
with domestic institutions only	79	63	72	71	86	91	85	68	88	87	92	129	125	126	145	128
with international institutions	25	33	27	28	33	47	62	52	52	60	82	112	108	114	131	143
Russia																
Total articles	142	127	135	173	106	140	134	165	90	69	90	83	141	129	139	136
with multiple institutions	31	29	33	34	38	50	38	40	25	26	30	34	28	26	38	49
with domestic institutions only	125	114	122	157	86	118	112	145	74	53	74	67	125	112	118	96
with international institutions	17	13	13	16	20	22	22	20	16	16	16	16	16	17	21	40
Switzerland																
Total articles	108	134	102	139	139	97	164	165	216	272	300	419	427	391	422	499
with multiple institutions	46	65	53	58	69	47	112	101	133	188	205	302	296	283	314	393
with domestic institutions only	75	88	58	93	92	58	70	85	105	113	127	184	179	168	157	183
with international institutions	33	46	44	46	47	39	94	80	111	159	173	235	248	223	265	316
Iran																
Total articles	4	2	6	11	3	16	18	18	25	28	31	43	33	38	42	52
with multiple institutions	2	2	5	6	2	8	11	12	18	24	17	30	22	35	32	40
with domestic institutions only	3	-	2	5	2	10	8	13	13	17	22	28	22	23	22	24
with international institutions	1	2	4	6	1	6	10	5	12	11	9	15	11	15	20	28
Israel																
Total articles	200	222	212	203	252	236	259	206	252	291	300	379	381	345	417	477
with multiple institutions	88	98	111	106	118	124	128	102	157	174	190	231	259	232	271	327
with domestic institutions only	149	164	144	136	184	170	182	137	172	193	210	264	237	201	242	284
with international institutions	51	58	68	67	68	66	77	69	80	98	90	115	144	144	175	193
Saudi Arabia																
Total articles	2	1	5	-	1	4	5	2	7	5	2	3	5	13	7	11
with multiple institutions	-	-	2	-	-	-	3	-	3	4	-	2	5	7	6	11
with domestic institutions only	2	1	3	-	1	4	2	2	4	1	2	1	-	6	1	0
with international institutions	-	-	2	-	-	-	3	-	3	4	-	2	5	7	6	11
Turkey																
Total articles	25	21	26	35	60	55	57	68	99	98	114	158	169	143	147	160
with multiple institutions	3	8	16	15	35	30	23	32	48	44	56	82	89	80	82	105
with domestic institutions only	23	16	16	23	31	34	46	47	70	79	86	119	125	106	108	102
with international institutions	2	5	10	12	29	21	11	21	29	19	28	39	44	37	39	58
Egypt																
Total articles	1	5	4	1	9	1	1	-	2	6	6	3	8	7	12	21
with multiple institutions	1	5	2	1	9	1	1	-	-	6	4	3	8	5	10	20
with domestic institutions only	-	-	2	-	5	-	-	-	2	-	2	-	1	2	2	2
with international institutions	1	5	2	1	4	1	1	-	-	6	4	3	7	5	10	19

Appendix table 5-53

S&E articles in psychology, by coauthorship attribute and selected country/economy: 1997–2012

Country/economy and coauthorship attribute	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
South Africa																
Total articles	97	95	101	86	72	83	87	65	72	163	118	187	97	112	113	151
with multiple institutions	33	42	32	37	32	41	46	41	43	82	58	93	55	70	72	92
with domestic institutions only	82	72	88	63	54	57	57	34	37	116	78	121	55	56	60	79
with international institutions	15	23	13	23	18	26	30	31	35	47	40	66	42	56	53	72
China																
Total articles	93	127	114	138	128	153	166	196	181	198	246	332	422	479	540	654
with multiple institutions	49	71	64	86	70	107	111	119	129	135	161	243	330	389	441	529
with domestic institutions only	55	74	63	71	75	66	81	110	94	100	124	163	205	214	232	297
with international institutions	38	53	51	67	53	87	85	86	87	98	122	169	217	265	308	357
India																
Total articles	23	32	19	35	20	23	30	27	31	37	45	37	51	58	61	66
with multiple institutions	11	15	14	23	8	12	16	16	14	27	27	20	32	36	45	49
with domestic institutions only	16	23	9	21	14	15	22	20	20	25	31	25	29	34	29	32
with international institutions	7	9	10	14	6	8	8	7	11	12	14	12	22	24	32	34
Japan																
Total articles	317	326	314	300	336	294	300	281	453	355	411	425	445	394	412	483
with multiple institutions	142	145	142	145	163	165	155	150	241	200	223	275	297	260	282	342
with domestic institutions only	263	260	244	244	253	224	225	223	361	259	306	299	329	287	292	315
with international institutions	54	66	70	56	83	70	75	58	92	96	105	126	116	107	120	168
Singapore																
Total articles	10	16	19	23	29	18	34	25	24	33	64	80	99	102	124	127
with multiple institutions	4	5	10	8	15	7	18	13	15	19	44	56	72	77	101	96
with domestic institutions only	7	12	9	16	16	12	20	14	13	21	25	36	33	34	34	38
with international institutions	3	4	10	7	13	6	14	11	11	12	39	44	66	68	90	89
South Korea																
Total articles	22	15	43	19	44	43	70	57	79	88	104	111	144	152	201	235
with multiple institutions	17	11	32	13	29	30	55	36	58	65	85	86	112	119	155	185
with domestic institutions only	6	5	17	11	23	21	26	32	38	40	42	53	65	64	100	112
with international institutions	16	10	26	8	21	22	44	25	41	48	62	58	79	88	101	123
Taiwan																
Total articles	36	32	45	37	50	41	75	79	95	113	175	237	246	253	280	338
with multiple institutions	19	17	27	17	28	21	36	45	48	56	102	152	157	172	185	247
with domestic institutions only	22	20	28	29	26	25	59	57	74	91	140	187	185	190	213	223
with international institutions	14	12	17	8	24	16	16	22	21	22	35	50	61	63	67	115
Australia																
Total articles	463	514	569	578	626	638	695	622	809	831	896	1,171	1,103	1,127	1,246	1,450
with multiple institutions	182	190	257	264	305	319	369	342	438	466	530	693	712	731	875	1,012
with domestic institutions only	375	411	447	445	466	449	488	420	560	546	588	759	674	675	712	838
with international institutions	88	103	122	133	160	189	207	202	249	285	308	412	429	452	534	612

Appendix table 5-53

S&E articles in psychology, by coauthorship attribute and selected country/economy: 1997–2012

Country/economy and coauthorship attribute	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Zealand																
Total articles	140	132	171	154	163	146	181	186	189	228	227	261	232	232	247	268
with multiple institutions	65	66	67	68	81	81	94	94	101	115	136	170	140	142	162	181
with domestic institutions only	91	80	123	103	101	85	120	105	107	140	120	129	110	120	108	127
with international institutions	49	52	48	51	62	61	61	81	82	88	107	132	122	112	139	141

NOTES: Article counts are from the set of journals covered by the Science Citation Index (SCI) and Social Sciences Citation Index (SSCI). Articles are classified by the year they entered the database, rather than the year of publication, and are assigned to a country/economy on the basis of the institutional address(es) listed in the article. Articles are credited on a whole-count basis (i.e., each collaborating country/economy is credited with one count). Countries/economies with less than 1% of internationally coauthored articles in 2012 are omitted. Articles with multiple institutions are counts of articles with two or more institutional addresses. Articles with domestic institutions only are counts of articles with one or more institutional addresses all within the country/economy. Articles with international institutions are counts of articles with one or more institutional addresses outside the country/economy.

SOURCES: National Science Foundation, National Center for Science and Engineering Statistics, and The Patent Board™, special tabulations (2013) from Thomson Reuters, SCI and SSCI, http://thomsonreuters.com/products_services/science/.

Science and Engineering Indicators 2014