

Appendix table 5-51

S&E articles in medical sciences, 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	144,503	148,907	151,757	152,159	154,159	150,025	163,622	155,033	176,389	168,443	170,666	185,769	182,471	175,910	182,457	184,905
with multiple institutions	89,104	92,947	96,545	97,320	101,428	100,296	111,451	107,842	125,492	121,470	124,988	138,335	138,781	135,446	142,555	145,242
with domestic institutions only	127,642	130,910	132,519	131,876	132,281	127,720	138,281	130,007	146,601	138,662	139,189	149,840	145,155	138,694	142,678	143,903
with international institutions	16,861	17,997	19,238	20,283	21,878	22,305	25,341	25,026	29,788	29,781	31,477	35,929	37,316	37,216	39,779	41,002
Canada																
Total articles	6,786	6,795	7,324	7,192	7,184	7,143	8,022	7,691	9,085	9,065	9,358	10,342	10,589	10,291	10,621	10,745
with multiple institutions	4,930	5,020	5,406	5,409	5,551	5,517	6,236	6,062	7,335	7,383	7,728	8,659	9,030	8,920	9,230	9,397
with domestic institutions only	4,671	4,687	5,029	4,746	4,600	4,442	4,934	4,614	5,198	5,233	5,238	5,591	5,482	5,193	5,248	5,214
with international institutions	2,115	2,108	2,295	2,446	2,584	2,701	3,088	3,077	3,887	3,832	4,120	4,751	5,107	5,098	5,373	5,531
Mexico																
Total articles	399	468	583	611	618	606	647	623	701	788	719	862	784	805	814	899
with multiple institutions	274	324	434	435	487	449	503	483	564	635	588	709	647	691	701	776
with domestic institutions only	272	321	394	402	387	396	421	390	400	443	396	470	418	412	366	438
with international institutions	127	147	189	209	231	210	226	233	301	345	323	392	366	393	448	461
United States																
Total articles	56,486	57,065	57,616	57,181	59,264	57,304	62,934	60,380	68,305	65,161	66,098	71,864	69,960	67,284	71,225	70,557
with multiple institutions	37,470	38,380	39,152	39,171	41,445	40,451	45,216	44,110	50,926	49,008	50,471	55,621	55,175	53,524	57,356	57,381
with domestic institutions only	47,778	47,720	47,654	46,743	47,812	45,701	49,675	47,123	52,612	49,595	49,607	53,025	50,733	48,080	50,438	49,344
with international institutions	8,708	9,345	9,962	10,438	11,452	11,603	13,259	13,257	15,693	15,566	16,491	18,839	19,227	19,204	20,787	21,213
Argentina																
Total articles	569	576	639	694	683	677	656	617	696	665	700	729	807	839	857	850
with multiple institutions	331	356	389	451	490	459	471	460	512	525	536	575	659	688	697	714
with domestic institutions only	414	394	457	461	446	452	409	373	405	368	387	356	394	409	435	388
with international institutions	155	182	182	233	237	225	247	244	291	297	313	373	413	430	422	462
Brazil																
Total articles	967	1,146	1,277	1,369	1,557	1,708	2,056	2,126	2,675	2,906	3,168	4,299	4,067	3,994	4,015	4,781
with multiple institutions	695	828	927	954	1,157	1,306	1,519	1,594	2,028	2,236	2,484	3,443	3,276	3,347	3,391	3,940
with domestic institutions only	648	777	841	927	1,034	1,160	1,439	1,491	1,854	2,035	2,174	3,079	2,765	2,691	2,581	3,213
with international institutions	319	369	436	442	523	548	617	635	821	871	994	1,220	1,302	1,303	1,434	1,568
Chile																
Total articles	343	350	371	370	390	386	413	327	562	456	472	538	544	557	576	606
with multiple institutions	213	237	231	271	275	269	317	256	429	367	374	442	444	462	494	520
with domestic institutions only	257	247	263	253	244	258	258	189	372	278	307	306	320	279	296	293
with international institutions	86	103	108	117	146	128	155	138	190	178	165	232	224	278	280	313
Austria																
Total articles	1,760	2,011	1,973	2,045	2,173	2,095	2,339	2,178	2,402	2,193	2,340	2,469	2,438	2,286	2,554	2,624
with multiple institutions	1,262	1,393	1,444	1,511	1,629	1,583	1,822	1,755	1,968	1,760	1,892	2,089	2,041	1,995	2,250	2,328
with domestic institutions only	1,176	1,395	1,278	1,343	1,353	1,318	1,468	1,211	1,259	1,181	1,149	1,076	1,055	857	969	911
with international institutions	584	616	695	702	820	777	871	967	1,143	1,012	1,191	1,393	1,383	1,429	1,585	1,713

Appendix table 5-51

S&E articles in medical sciences, 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	2,120	2,339	2,293	2,292	2,318	2,347	2,527	2,471	2,757	2,805	2,858	3,138	3,193	3,181	3,326	3,376
with multiple institutions	1,557	1,711	1,722	1,769	1,806	1,827	2,001	1,973	2,302	2,354	2,411	2,682	2,771	2,799	3,001	2,998
with domestic institutions only	1,222	1,364	1,242	1,232	1,183	1,135	1,245	1,162	1,217	1,157	1,194	1,248	1,196	1,085	1,062	1,087
with international institutions	898	975	1,051	1,060	1,135	1,212	1,282	1,309	1,540	1,648	1,664	1,890	1,997	2,096	2,264	2,289
Czech Republic																
Total articles	300	317	289	363	401	376	505	469	584	637	706	775	755	806	763	823
with multiple institutions	207	245	220	277	327	304	410	380	475	530	606	666	665	716	695	750
with domestic institutions only	173	150	154	210	216	191	279	243	304	338	378	379	354	379	340	348
with international institutions	127	167	135	153	185	185	226	226	280	299	328	396	401	427	423	475
Denmark																
Total articles	1,883	1,991	2,052	1,995	1,979	1,910	2,277	2,025	2,503	2,382	2,540	2,721	2,743	2,851	3,108	3,205
with multiple institutions	1,366	1,453	1,553	1,510	1,576	1,533	1,847	1,673	2,107	2,006	2,140	2,371	2,430	2,503	2,730	2,803
with domestic institutions only	1,211	1,238	1,279	1,194	1,123	1,106	1,273	1,077	1,276	1,182	1,237	1,257	1,232	1,308	1,478	1,478
with international institutions	672	753	773	801	856	804	1,004	948	1,227	1,200	1,303	1,464	1,511	1,543	1,630	1,727
Finland																
Total articles	2,120	1,946	2,120	2,173	2,121	1,974	2,135	2,000	2,175	2,027	1,940	2,152	2,036	1,993	1,968	1,943
with multiple institutions	1,701	1,579	1,755	1,820	1,821	1,720	1,889	1,787	1,978	1,825	1,767	1,972	1,887	1,834	1,841	1,798
with domestic institutions only	1,466	1,322	1,397	1,333	1,306	1,206	1,255	1,153	1,211	1,159	1,047	1,139	1,015	934	921	873
with international institutions	654	624	723	840	815	768	880	847	964	868	893	1,013	1,021	1,059	1,047	1,070
France																
Total articles	7,930	8,403	8,368	8,227	8,299	7,887	8,626	7,418	8,514	8,011	8,014	8,723	8,661	8,396	8,713	8,844
with multiple institutions	5,558	5,907	6,010	5,928	6,017	5,928	6,540	5,834	6,821	6,625	6,816	7,598	7,671	7,506	7,906	8,087
with domestic institutions only	5,832	6,146	6,070	5,798	5,787	5,296	5,702	4,613	5,221	4,750	4,587	4,913	4,656	4,302	4,349	4,276
with international institutions	2,098	2,257	2,298	2,429	2,512	2,591	2,924	2,805	3,293	3,261	3,427	3,810	4,005	4,094	4,364	4,568
Germany																
Total articles	11,740	12,950	13,165	13,703	13,983	13,544	14,782	13,919	15,935	14,938	15,304	15,974	16,302	15,640	15,618	15,872
with multiple institutions	7,116	7,832	8,283	8,622	9,224	9,259	10,313	9,904	11,703	11,213	11,721	12,462	12,927	12,698	12,883	13,128
with domestic institutions only	8,819	9,684	9,669	10,144	9,981	9,293	9,949	9,153	10,262	9,275	9,128	9,331	9,133	8,503	8,302	8,102
with international institutions	2,921	3,266	3,496	3,559	4,002	4,251	4,833	4,766	5,673	5,663	6,176	6,643	7,169	7,137	7,316	7,770
Greece																
Total articles	801	804	847	943	1,095	1,064	1,332	1,349	1,715	1,705	1,899	1,936	1,931	1,825	1,774	1,696
with multiple institutions	504	555	599	662	781	772	1,043	1,014	1,321	1,334	1,513	1,551	1,609	1,513	1,462	1,449
with domestic institutions only	573	594	593	671	762	718	857	913	1,137	1,120	1,188	1,170	1,059	1,030	939	804
with international institutions	228	210	254	272	333	346	475	436	578	585	711	766	872	795	835	892
Hungary																
Total articles	489	535	538	656	746	656	759	690	847	787	774	839	836	804	738	820
with multiple institutions	369	394	401	527	607	536	623	587	726	682	682	719	744	746	667	745
with domestic institutions only	233	277	271	344	384	318	371	320	388	378	341	386	337	284	268	277
with international institutions	256	258	267	312	362	338	388	370	459	409	433	453	499	520	470	543

Appendix table 5-51

S&E articles in medical sciences, 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	557	499	515	557	552	576	633	689	702	787	822	980	1,014	1,045	1,087	1,066
with multiple institutions	368	325	367	381	370	413	463	539	546	622	647	796	864	902	940	919
with domestic institutions only	354	327	305	341	334	328	342	369	369	397	411	448	408	449	462	441
with international institutions	203	172	210	216	218	248	291	320	333	390	411	532	606	596	625	625
Italy																
Total articles	6,824	7,314	7,350	7,445	7,882	7,799	8,768	8,357	9,530	9,210	9,534	10,448	10,355	10,061	10,197	10,269
with multiple institutions	4,994	5,398	5,504	5,631	5,916	5,975	6,738	6,669	7,772	7,524	7,936	8,671	8,799	8,612	8,832	8,952
with domestic institutions only	5,116	5,311	5,233	5,334	5,496	5,427	6,062	5,627	6,240	6,007	6,016	6,418	6,124	5,716	5,594	5,546
with international institutions	1,708	2,003	2,117	2,111	2,386	2,372	2,706	2,730	3,290	3,203	3,518	4,030	4,231	4,345	4,603	4,723
Netherlands																
Total articles	5,049	5,005	5,058	5,065	5,113	5,142	5,871	5,789	6,784	6,744	6,840	7,588	7,845	7,812	8,117	8,585
with multiple institutions	3,730	3,813	3,890	4,029	4,127	4,202	4,819	4,784	5,750	5,727	5,907	6,600	6,939	6,979	7,326	7,802
with domestic institutions only	3,533	3,421	3,399	3,201	3,229	3,141	3,509	3,437	4,041	3,874	3,837	4,197	4,077	3,985	3,997	4,011
with international institutions	1,516	1,584	1,659	1,864	1,884	2,001	2,362	2,352	2,743	2,870	3,003	3,391	3,768	3,827	4,120	4,574
Poland																
Total articles	548	626	692	713	758	830	993	927	1,130	1,240	1,199	1,266	1,410	1,418	1,411	1,555
with multiple institutions	352	424	520	514	568	610	757	730	906	990	962	1,022	1,201	1,202	1,200	1,337
with domestic institutions only	352	379	395	417	451	508	588	515	607	629	646	674	703	695	704	702
with international institutions	196	247	297	296	307	322	405	412	523	611	553	592	707	723	707	853
Portugal																
Total articles	247	242	310	265	294	331	353	378	429	513	490	664	727	739	827	992
with multiple institutions	182	185	252	208	233	269	289	322	360	446	420	599	653	660	734	905
with domestic institutions only	138	142	163	130	135	146	164	173	197	208	208	252	294	305	342	442
with international institutions	109	100	147	135	159	185	189	205	232	305	282	412	433	434	485	550
Spain																
Total articles	3,179	3,514	3,562	3,772	3,732	3,749	3,923	3,935	4,650	4,719	4,731	5,663	5,431	5,611	5,986	6,051
with multiple institutions	2,152	2,415	2,495	2,612	2,646	2,751	2,980	3,005	3,566	3,746	3,809	4,628	4,585	4,828	5,215	5,317
with domestic institutions only	2,461	2,691	2,706	2,801	2,680	2,649	2,675	2,619	3,065	2,992	2,941	3,415	3,134	3,088	3,209	3,156
with international institutions	718	823	856	971	1,052	1,100	1,248	1,316	1,585	1,727	1,790	2,248	2,297	2,523	2,777	2,895
Sweden																
Total articles	4,321	4,273	4,308	4,218	4,253	4,097	4,334	3,910	4,647	4,224	4,423	4,574	4,591	4,488	4,529	4,619
with multiple institutions	3,273	3,214	3,338	3,201	3,378	3,297	3,536	3,225	3,871	3,570	3,799	3,969	4,007	4,011	4,051	4,176
with domestic institutions only	2,889	2,792	2,685	2,550	2,520	2,336	2,337	2,153	2,530	2,174	2,144	2,074	2,020	1,897	1,883	1,817
with international institutions	1,432	1,481	1,623	1,668	1,733	1,761	1,997	1,757	2,117	2,050	2,279	2,500	2,571	2,591	2,646	2,802
United Kingdom																
Total articles	15,360	15,471	16,284	16,529	16,168	15,743	16,737	16,117	18,010	17,064	17,240	18,250	17,774	17,400	17,927	18,624
with multiple institutions	8,914	9,200	9,953	10,277	10,329	10,360	11,262	11,125	12,740	12,347	12,708	13,796	13,764	13,679	14,564	15,075
with domestic institutions only	11,834	11,755	12,221	12,167	11,573	10,935	11,378	10,655	11,390	10,557	10,220	10,318	9,616	8,987	8,886	9,239
with international institutions	3,526	3,716	4,063	4,362	4,595	4,808	5,359	5,462	6,620	6,507	7,020	7,932	8,158	8,413	9,041	9,385

Appendix table 5-51

S&E articles in medical sciences, 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	1,229	1,232	1,239	1,249	1,249	1,198	1,339	1,287	1,620	1,526	1,611	1,855	2,017	1,914	2,021	2,031
with multiple institutions	918	938	955	962	987	997	1,116	1,118	1,385	1,345	1,466	1,687	1,851	1,778	1,890	1,904
with domestic institutions only	750	750	757	774	718	646	707	658	859	785	754	879	892	848	868	851
with international institutions	479	482	482	475	531	552	632	629	761	741	857	976	1,125	1,066	1,153	1,180
Russia																
Total articles	700	742	717	783	596	711	673	613	844	725	711	766	812	768	782	760
with multiple institutions	309	377	378	423	368	434	431	411	528	453	446	511	506	491	507	508
with domestic institutions only	509	518	506	534	360	436	377	345	502	415	433	437	509	446	475	449
with international institutions	191	224	211	249	236	275	296	268	342	310	278	329	303	322	307	311
Switzerland																
Total articles	2,916	3,088	3,198	3,334	3,157	3,119	3,466	3,388	3,900	3,881	4,061	4,408	4,534	4,413	4,730	4,796
with multiple institutions	1,930	2,082	2,260	2,311	2,372	2,407	2,696	2,698	3,153	3,177	3,344	3,773	3,932	3,897	4,231	4,305
with domestic institutions only	1,737	1,808	1,767	1,939	1,581	1,464	1,591	1,511	1,710	1,647	1,618	1,661	1,620	1,476	1,528	1,505
with international institutions	1,179	1,280	1,431	1,395	1,576	1,655	1,875	1,877	2,190	2,234	2,443	2,747	2,914	2,937	3,202	3,291
Iran																
Total articles	53	88	88	114	142	172	231	227	356	498	675	851	844	871	877	888
with multiple institutions	36	51	54	67	88	103	152	163	252	342	512	656	686	693	740	757
with domestic institutions only	41	59	67	85	103	133	159	158	258	369	514	589	606	618	612	625
with international institutions	12	29	21	29	39	39	72	69	98	129	161	262	238	253	265	263
Israel																
Total articles	2,039	1,960	1,946	1,971	2,178	2,093	2,305	2,204	2,429	2,218	2,231	2,203	2,135	2,089	2,031	2,052
with multiple institutions	1,583	1,564	1,605	1,608	1,778	1,720	1,911	1,811	2,038	1,873	1,928	1,885	1,851	1,805	1,765	1,832
with domestic institutions only	1,530	1,438	1,410	1,418	1,536	1,436	1,590	1,493	1,600	1,444	1,437	1,277	1,276	1,155	1,070	1,095
with international institutions	509	522	536	553	642	657	715	711	829	774	794	926	859	934	961	957
Saudi Arabia																
Total articles	280	290	257	244	215	200	190	179	217	186	194	256	247	332	456	514
with multiple institutions	162	172	158	152	123	125	123	117	149	130	132	194	185	270	393	457
with domestic institutions only	211	215	202	178	157	135	110	107	136	109	112	126	109	138	120	119
with international institutions	69	75	55	66	58	65	80	72	81	77	82	130	138	194	336	395
Turkey																
Total articles	982	1,152	1,356	1,495	1,736	2,155	2,595	2,811	3,549	3,142	3,212	3,267	2,948	2,609	2,651	2,812
with multiple institutions	597	734	856	990	1,169	1,457	1,782	2,021	2,644	2,301	2,351	2,468	2,304	2,000	2,107	2,288
with domestic institutions only	866	1,030	1,205	1,325	1,531	1,946	2,325	2,501	3,190	2,746	2,797	2,776	2,436	2,155	2,121	2,280
with international institutions	116	122	151	170	205	209	270	310	359	396	415	491	512	454	530	532
Egypt																
Total articles	259	252	276	238	294	260	330	331	349	375	396	486	559	728	812	737
with multiple institutions	166	154	182	176	188	174	225	235	266	288	304	380	445	571	664	622
with domestic institutions only	150	157	168	131	178	145	178	179	188	189	188	243	282	361	398	352
with international institutions	109	95	108	107	116	115	152	152	161	186	208	243	277	367	414	385

Appendix table 5-51

S&E articles in medical sciences, 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	582	622	610	591	574	594	586	527	658	674	678	880	786	829	890	963
with multiple institutions	404	446	417	427	418	442	453	417	504	573	550	716	648	711	776	838
with domestic institutions only	428	446	437	379	348	363	312	276	323	288	304	378	340	294	321	351
with international institutions	154	176	173	212	226	231	274	251	335	386	374	502	446	535	569	612
China																
Total articles	1,395	1,634	1,747	1,860	2,212	2,486	3,003	3,363	4,268	4,814	5,659	7,615	9,124	9,952	11,543	12,912
with multiple institutions	884	1,029	1,133	1,244	1,508	1,696	2,085	2,383	3,108	3,561	4,253	5,828	7,067	7,722	9,084	10,122
with domestic institutions only	963	1,126	1,158	1,217	1,424	1,623	1,985	2,230	2,672	3,119	3,664	5,027	6,138	6,771	7,865	8,999
with international institutions	432	508	589	643	788	863	1,018	1,133	1,596	1,695	1,995	2,588	2,986	3,181	3,678	3,913
India																
Total articles	1,137	1,218	1,261	1,298	1,323	1,391	1,604	1,511	1,903	1,993	2,019	2,426	2,535	2,621	2,518	2,717
with multiple institutions	572	604	685	675	728	767	865	827	1,126	1,136	1,213	1,473	1,648	1,788	1,756	1,888
with domestic institutions only	992	1,035	1,078	1,077	1,068	1,138	1,325	1,221	1,529	1,592	1,579	1,857	1,950	1,917	1,840	1,958
with international institutions	145	183	183	221	255	253	279	290	374	401	440	569	585	704	678	759
Japan																
Total articles	12,696	13,558	14,056	14,089	14,257	13,601	14,339	12,957	14,037	12,279	12,303	13,104	12,293	11,341	11,424	11,513
with multiple institutions	7,909	8,547	9,091	9,120	9,561	9,277	9,913	9,178	10,198	9,030	9,112	9,827	9,395	8,712	8,733	8,874
with domestic institutions only	11,035	11,838	12,107	12,000	12,012	11,428	11,903	10,711	11,374	9,850	9,871	10,408	9,630	8,813	8,920	9,003
with international institutions	1,661	1,720	1,949	2,089	2,245	2,173	2,436	2,246	2,663	2,429	2,432	2,696	2,663	2,528	2,504	2,510
Singapore																
Total articles	252	296	339	402	403	443	525	564	650	649	679	783	818	852	924	971
with multiple institutions	133	151	199	254	276	305	393	449	507	547	558	677	697	748	830	884
with domestic institutions only	183	211	231	274	244	278	314	316	350	309	329	296	320	288	305	302
with international institutions	69	85	108	128	159	165	211	248	300	340	350	487	498	564	619	669
South Korea																
Total articles	662	850	1,138	1,392	1,755	1,694	2,057	2,137	3,013	3,255	3,576	4,389	4,830	5,258	5,689	6,096
with multiple institutions	479	630	837	1,033	1,357	1,387	1,618	1,713	2,413	2,600	2,815	3,570	3,938	4,348	4,650	5,050
with domestic institutions only	466	624	872	1,078	1,346	1,304	1,552	1,622	2,320	2,513	2,827	3,435	3,860	4,194	4,479	4,811
with international institutions	196	226	266	314	409	390	505	515	693	742	749	954	970	1,064	1,210	1,285
Taiwan																
Total articles	1,321	1,428	1,552	1,531	1,728	1,876	2,147	2,288	2,598	2,541	2,629	2,806	2,891	2,869	2,991	2,801
with multiple institutions	973	1,070	1,183	1,178	1,372	1,487	1,814	1,933	2,207	2,231	2,341	2,550	2,665	2,657	2,810	2,659
with domestic institutions only	1,107	1,227	1,330	1,287	1,460	1,571	1,778	1,926	2,150	2,081	2,158	2,217	2,247	2,214	2,298	2,137
with international institutions	214	201	222	244	268	305	369	362	448	460	471	589	644	655	693	664
Australia																
Total articles	4,006	4,133	4,393	4,365	4,361	4,683	5,070	5,003	5,600	5,827	5,886	6,899	6,949	6,745	7,501	7,716
with multiple institutions	2,460	2,681	2,846	2,917	3,037	3,282	3,730	3,799	4,298	4,562	4,735	5,627	5,851	5,737	6,473	6,667
with domestic institutions only	3,070	3,093	3,301	3,099	3,013	3,265	3,431	3,178	3,544	3,649	3,484	4,046	3,799	3,650	3,904	4,018
with international institutions	936	1,040	1,092	1,266	1,348	1,418	1,639	1,825	2,056	2,178	2,402	2,853	3,150	3,095	3,597	3,698

Appendix table 5-51

S&E articles in medical sciences, 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	797	786	775	953	793	813	816	832	985	878	1,040	1,159	1,105	1,092	1,128	1,255
with multiple institutions	469	467	480	626	519	523	568	569	734	670	803	891	882	877	903	983
with domestic institutions only	588	578	505	644	528	519	467	473	528	433	523	559	513	492	504	585
with international institutions	209	208	270	309	265	294	349	359	457	445	517	600	592	600	624	670

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