Table SPBS-36

Internationally coauthored S&E publications, by selected region, country, or economy pairs: 1996 and 2020

(Number)

Region, country, or economy and year	World	Canada	Mexico	United States	Argentina	Brazil	Chile	Colombia	United Kingdom	Austria	Belgium	Czechia	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Netherlands	Poland	Portugal	Spain	Sweden	Norway	Russia	Switzerland	Turkey	Iran	Israel	Saudi Arabia	Egypt	South Africa	China	India	Indonesia	Japan	Malaysia	Pakistan	Singapore	South Korea	Taiwan	Thailand	Vietnam	Australia	New Zealand
World																																														
1996	120,746	12,964	1,674	56,302	1,244	2,931	774	315	23,139	2,829	4,422	1,844	3,259	2,382	16,705	22,045	1,658	1,064	9,914	7,396	3,766	1,066	6,359	5,941	1,988	7,266	6,913	955	304	3,654	491	909	1,256	5,693	3,162	393	12,097	370	303	823	2,552	1,902	560	195	6,775	1,669
2020	689,059	61,121	12,530	239,344	7,235	29,967	10,350	7,138	117,790	17,990	23,716	12,814	19,648	13,341	65,510	92,056	10,470	10,053	60,383	39,174	18,548	15,359	50,584	28,157	15,554	25,659	33,478	14,081	21,098	11,322	25,867	16,409	14,337	163,185	36,811	7,362	41,280	15,064	16,327	15,769	27,281	15,763	8,470	10,691	61,625	9,793
Canada																																														
1996	12,964	na	104	6,728	61	163	39	16	1,416	111	179	85	157	90	1,129	904	94	56	429	353	194	32	237	269	79	261	378	45	41	225	41	50	79	504	228	16	749	13	11	60	97	84	25	7	531	148
2020	61,121	na	1,036	25,549	690	2,836	888	588	9,239	1,388	1,933	831	1,728	1,031	6,163	6,383	736	987	4,219	3,530	1,219	907	3,391	2,221	1,381	1,293	3,077	810	2,350	1,243	1,198	778	1,176	12,078	2,029	159	2,685	497	659	930	1,534	896	422	361	5,599	1,027
Mexico																																														
1996	1,674	104	na	760	42	58	24	37	155	5	27	21	11	12	143	83	10	6	45	33	37	5	182	11	5	77	24	8	0	24	0	2	2	14	31	0	47	0	0	2	13	3	4	0	26	6
2020	12,530	1,036	na	4,986	646	1,202	669	1,028	1,435	329	410	310	280	317	1,275	1,179	335	201	1,159	562	417	393	2,473	369	221	589	480	354	314	166	210	293	306	995	737	113	531	206	321	146	390	234	213	111	621	224
United States																																														
1996	56,302	6,728	760	na	423	1,181	297	145	7,045	710	1,042	407	957	771	4,527	6,906	535	235	3,195	2,168	1,022	210	1,741	1,740	554	1,804	2,335	356	83	2,126	149	304	436	2,128	1,387	104	5,791	69	106	248	1,714	1,430	221	25	2,314	583
2020	239,344	25,549	4,986	na	2,383	10,348	3,294	2,254	32,475	4,558	5,849	2,746	5,817	3,264	16,474	25,828	2,716	2,609	16,360	11,610	4,272	2,785	12,091	7,638	4,007	5,302	10,514	3,660	4,493	5,611	3,791	2,672	4,199	62,904	9,836	846	12,674	1,429	2,012	4,005	10,766	4,808	2,154	1,370	16,146	2,759
Argentina																																														
1996	1,244	61	42	423	na	123	58	23	86	9	20	8	16	10	147	100	4	4	88	29	8	3	192	35	5	18	19	2	0	10	0	2	5	8	13	0	28	0	0	0	12	2	0	0	36	6
2020	7,235	690	646	2,383	na	1,388	884	627	991	247	329	247	282	146	946	1,086	212	98	921	471	295	328	1,679	356	217	263	448	225	93	225	92	83	324	488	295	44	394	79	75	105	129	145	80	57	622	144
Brazil																																														
1996	2,931	163	58	1,181	123	na	62	37	415	48	88	50	37	39	383	267	27	10	168	76	55	62	135	84	32	136	83	3	0	24	1	5	11	32	48	2	110	2	1	2	14	9	3	0	49	11
2020	29,967	2,836	1,202	10,348	1,388	na	1,353	1,443	4,445	758	1,030	627	825	650	3,181	3,380	542	527	2,943	1,540	876	3,054	3,470	1,181	623	951	1,344	583	537	404	330	340	762	1,827	1,250	180	1,164	304	427	267	567	392	371	166	2,171	457
Chile																																														
1996	774	39	24	297	58	62	na	5	88	5	16	2	6	4	77	87	2	0	30	16	5	4	89	26	3	8	18	0	0	7	0	1	7	7	7	1	14	1	1	0	1	0	2	0	26	5
2020	10,350	888	669	3,294	884	1,353	na	741	1,826	296	342	252	364	186	1,318	1,559	228	140	1,132	645	341	426	2,706	425	234	316	561	234	182	259	114	82	358	754	449	39	508	105	100	88	199	216	71	61	922	178
Colombia																																														
1996	315	16	37	145	23	37	5	na	22	1	7	1	7	1	34	11	0	0	13	10	1	2	34	3	2	21	5	0	0	3	1	0	0	5	14	0	9	1	0	1	11	0	1	4	5	2
2020	7,138	588	1,028	2,254	627	1,443	741	na	927	281	321	281	206	206	726	796	251	213	704	434	369	356	1,781	288	184	345	434	280	232	159	132	158	236	526	359	56	257	166	184	78	194	221	157	92	497	176
United Kingdom																																														
1996	23,139	1,416	155	7,045	86	415	88	22	na	316	651	223	614	323	2,229	2,693	437	456	1,591	1,325	388	304	1,147	809	311	692	915	198	70	314	81	69	256	684	389	37	1,068	110	81	163	127	89	75	15	1,406	331
2020	117,790	9,239	1,435	32,475	991	4,445	1,826	927	na	3,570	5,526	2,250	4,854	2,902	12,229	17,453	3,165	3,786	13,510	10,532	3,306	3,104	10,266	6,529	3,771	3,055	7,839	2,134	1,876	1,948	2,117	1,322	3,335	20,525	4,505	818	4,791	1,844	1,664	2,247	2,451	1,356	1,318	718	12,401	2,302
Austria																																														
1996	2,829	111	5	710	9	48	5	1	316	na	73	113	97	68	235	952	60	18	198	134	125	35	130	95	50	131	272	9	2	33	6	16	35	67	16	2	76	1	0	3	36	1	11	5	60	14
2020	17,990	1,388	329	4,558	247	758	296	281	3,570	na	1,354	1,313	944	751	2,515	7,026	783	486	3,141	2,024	1,094	718	2,002	1,397	805	1,099	2,443	618	438	545	186	221	422	1,573	587	105	967	179	290	241	460	325	277	87	1,255	311
Belgium																																														
1996	4,422	179	27	1,042	20	88	16	7	651	73	na	103	138	88	981	666	106	39	352	654	138	87	275	228	74	181	235	18	5	48	6	17	31	67	32	3	138	3	0	3	10	11	8	4	84	13
2020	23,716	1,933	410	5,849	329	1,030	342	321	5,526	1,354	na	919	1,255	938	5,266	4,959	974	770	4,124	5,004	1,231	1,033	3,131	1,699	899	922	2,517	642	458	552	284	326	713	2,251	700	104	1,044	247	233	283	553	324	278	281	1,861	386
Czechia																																														
1996	1,844	85	21	407	8	50	2	1	223	113	103	na	41	45	274	406	45	4	150	121	109	36	96	111	41	153	123	3	1	26	0	5	13	14	8	0	70	1	0	0	5	10	0	1	31	3
2020	12,814	831	310	2,746	247	627	252	281	2,250	1,313	919	na	566	635	1,896	2,837	646	360	2,004	1,094	1,784	642	1,503	942	580	1,343	1,097	615	448	387	175	249	360	1,250	672	107	824	288	266	143	479	404	220	163	755	240

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(Number)

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Denmark																																														
1996	3,259	157	11	957	16	37	6	7	614	97	138	41	na	134	325	541	81	20	263	267	103	50	182	487	213	152	161	8	0	39	3	5	18	67	27	6	97	0	0	9	31	4	9	3	87	28
2020	19,648	1,728	280	5,817	282	825	364	206	4,854	944	1,255	566	na	1,115	2,338	4,168	690	573	2,467	2,550	885	761	2,113	3,092	1,911	633	1,814	508	607	526	207	126	486	2,811	589	116	897	185	185	367	522	259	189	130	2,109	348
Finland																																														
1996	2,382	90	12	771	10	39	4	1	323	68	88	45	134	na	187	332	52	21	155	166	88	36	106	410	147	219	130	8	0	22	0	8	3	50	31	5	121	1	0	8	16	15	1	0	50	12
2020	13,341	1,031	317	3,264	146	650	186	206	2,902	751	938	635	1,115	na	1,687	2,664	607	459	1,739	1,419	870	628	1,519	2,526	1,176	1,118	1,159	409	463	308	175	261	368	1,853	587	105	741	186	286	242	480	216	210	90	1,156	309
France																																														
1996	16,705	1,129	143	4,527	147	383	77	34	2,229	235	981	274	325	187	na	2,257	286	89	1,587	839	544	209	1,148	523	181	842	1,122	51	13	293	25	21	76	276	223	27	605	8	6	14	97	52	23	21	340	55
2020	65,510	6,163	1,275	16,474	946	3,181	1,318	726	12,229	2,515	5,266	1,896	2,338	1,687	na	11,755	1,866	1,391	10,254	5,446	2,609	2,110	7,807	3,330	1,923	3,131	6,159	1,219	901	1,391	944	648	1,250	6,822	2,054	318	3,751	442	555	800	1,389	759	631	742	4,339	790
Germany																																														
1996	22,045	904	83	6,906	100	267	87	11	2,693	952	666	406	541	332	2,257	na	326	114	1,414	1,320	802	152	827	744	253	1,676	1,774	85	10	471	16	90	150	590	380	19	1,052	12	32	24	133	74	21	29	567	107
2020	92,056	6,383	1,179	25,828	1,086	3,380	1,559	796	17,453	7,026	4,959	2,837	4,168	2,664	11,755	na	2,323	1,702	11,288	9,815	4,090	2,412	8,592	5,716	2,989	5,206	10,320	1,673	1,600	2,252	909	1,272	1,730	11,073	2,823	485	5,072	508	801	1,129	2,192	1,126	666	627	6,332	1,164
Greece																																														
1996	1,658	94	10	535	4	27	2	0	437	60	106	45	81	52	286	326	na	20	199	114	48	51	110	68	52	68	121	9	0	21	2	2	9	40	9	0	45	1	0	0	31	6	0	0	15	2
2020	10,470	736	335	2,716	212	542	228	251	3,165	783	974	646	690	607	1,866	2,323	na	399	2,525	1,273	911	733	1,846	879	578	717	1,310	666	314	421	229	274	297	1,045	484	76	497	213	214	179	334	260	206	102	721	192
Ireland																																														
1996	1,064	56	6	235	4	10	0	0	456	18	39	4	20	21	89	114	20	na	65	88	7	12	45	41	15	15	29	6	0	11	4	1	5	16	4	0	21	2	0	3	3	2	2	0	32	7
2020	10,053	987	201	2,609	98	527	140	213	3,786	486	770	360	573	459	1,391	1,702	399	na	1,430	1,114	554	498	1,317	668	403	440	834	293	260	236	147	204	211	1,252	496	38	337	214	210	179	235	191	153	108	1,069	339
Italy																																														
1996	9,914	429	45	3,195	88	168	30	13	1,591	198	352	150	263	155	1,587	1,414	199	65	na	577	317	94	675	395	126	534	789	32	8	186	6	27	42	215	126	1	375	3	7	6	80	55	5	7	163	17
2020	60,383	4,219	1,159	16,360	921	2,943	1,132	704	13,510	3,141	4,124	2,004	2,467	1,739	10,254	11,288	2,525	1,430	na	5,891	3,145	2,511	9,508	3,486	1,856	2,780	5,884	1,713	1,699	1,645	820	727	998	4,866	2,071	200	2,657	441	673	678	1,391	729	468	362	3,685	661
Netherlands																																														
1996	7,396	353	33	2,168	29	76	16	10	1,325	134	654	121	267	166	839	1,320	114	88	577	na	172	108	405	323	157	331	421	39	2	139	13	10	42	117	84	31	246	6	9	4	54	25	14	20	188	39
2020	39,174	3,530	562	11,610	471	1,540	645	434	10,532	2,024	5,004	1,094	2,550	1,419	5,446	9,815	1,273	1,114	5,891	na	1,638	1,430	4,439	3,265	1,954	1,335	3,948	867	701	984	379	262	1,165	4,363	1,078	530	1,886	261	272	708	685	445	372	219	3,952	545
Poland																																														
1996	3,766	194	37	1,022	8	55	5	1	388	125	138	109	103	88	544	802	48	7	317	172	na	38	168	212	71	320	201	12	4	51	2	19	28	33	30	0	161	1	2	4	23	8	0	5	41	12
2020	18,548	1,219	417	4,272	295	876	341	369	3,306	1,094	1,231	1,784	885	870	2,609	4,090	911	554	3,145	1,638	na	987	2,365	1,363	776	1,579	1,493	760	605	579	323	349	469	1,785	1,004	126	1,028	261	305	216	571	438	288	229	1,080	269
Portugal																																														
1996	1,066	32	5	210	3	62	4	2	304	35	87	36	50	36	209	152	51	12	94	108	38	na	162	62	40	60	68	2	0	9	0	0	3	17	8	0	22	0	1	0	2	5	2	0	9	4
2020	15,359	907	393	2,785	328	3,054	426	356	3,104	718	1,033	642	761	628	2,110	2,412	733	498	2,511	1,430	987	na	4,069	895	652	757	1,114	582	519	417	195	236	347	1,251	710	59	562	221	229	141	362	292	189	104	950	292
Spain																																														
1996	6,359	237	182	1,741	192	135	89	34	1,147	130	275	96	182	106	1,148	827	110	45	675	405	168	162	na	225	97	253	262	16	1	94	4	8	19	84	66	0	123	0	3	3	52	26	3	0	67	17
2020	50,584	3,391	2,473	12,091	1,679	3,470	2,706	1,781	10,266	2,002	3,131	1,503	2,113	1,519	7,807	8,592	1,846	1,317	9,508	4,439	2,365	4,069	na	2,838	1,658	1,758	3,627	1,204	1,070	1,183	656	601	843	3,573	1,459	130	2,024	379	415	481	1,062	640	320	254	3,285	560
Sweden																																														
1996	5,941	269	11	1,740	35	84	26	3	809	95	228	111	487	410	523	744	68	41	395	323	212	62	225	na	425	302	266	15	3	53	21	8	24	140	49	4	287	4	9	13	19	10	10	17	240	35
2020	28,157	2,221	369	7,638	356	1,181	425	288	6,529	1,397	1,699	942	3,092	2,526	3,330	5,716	879	668	3,486	3,265	1,363	895	2,838	na	2,717	1,233	2,317	692	676	664	336	242	892	3,805	958	151	1,650	222	363	442	650	344	248	198	2,607	431

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Norway																																														
1996	1,988	79	5	554	5	32	3	2	311	50	74	41	213	147	181	253	52	15	126	157	71	40	97	425	na	111	98	4	2	19	2	8	4	36	15	1	64	1	4	2	4	5	0	0	37	14
2020	15,554	1,381	221	4,007	217	623	234	184	3,771	805	899	580	1,911	1,176	1,923	2,989	578	403	1,856	1,954	776	652	1,658	2,717	na	789	1,319	448	320	382	174	97	523	1,649	672	119	737	168	189	249	379	236	144	165	1,401	282
Russia																																														
1996	7,266	261	77	1,804	18	136	8	21	692	131	181	153	152	219	842	1,676	68	15	534	331	320	60	253	302	111	na	286	28	8	178	2	11	30	95	72	1	397	0	0	2	89	33	1	5	98	12
2020	25,659	1,293	589	5,302	263	951	316	345	3,055	1,099	922	1,343	633	1,118	3,131	5,206	717	440	2,780	1,335	1,579	757	1,758	1,233	789	na	1,316	863	652	816	518	600	672	3,400	1,350	125	1,549	300	399	212	853	583	300	567	1,153	279
Switzerland																																														
1996	6,913	378	24	2,335	19	83	18	5	915	272	235	123	161	130	1,122	1,774	121	29	789	421	201	68	262	266	98	286	na	31	7	134	4	18	43	106	68	6	294	2	11	10	65	38	18	5	175	32
2020	33,478	3,077	480	10,514	448	1,344	561	434	7,839	2,443	2,517	1,097	1,814	1,159	6,159	10,320	1,310	834	5,884	3,948	1,493	1,114	3,627	2,317	1,319	1,316	na	811	554	871	290	320	860	2,833	1,122	179	1,764	234	275	597	874	483	412	155	2,697	496
Turkey																																														
1996	955	45	8	356	2	3	0	0	198	9	18	3	8	8	51	85	9	6	32	39	12	2	16	15	4	28	31	na	0	13	14	9	3	9	9	0	53	0	6	1	6	1	0	0	8	5
2020	14,081	810	354	3,660	225	583	234	280	2,134	618	642	615	508	409	1,219	1,673	666	293	1,713	867	760	582	1,204	692	448	863	811	na	1,305	338	1,091	616	400	1,514	1,048	116	617	436	1,036	186	535	720	292	342	708	193
Iran																																														
1996	304	41	0	83	0	0	0	0	70	2	5	1	0	0	13	10	0	0	8	2	4	0	1	3	2	8	7	0	na	1	1	0	1	3	11	0	28	2	1	2	4	3	0	0	39	3
2020	21,098	2,350	314	4,493	93	537	182	232	1,876	438	458	448	607	463	901	1,600	314	260	1,699	701	605	519	1,070	676	320	652	554	1,305	na	64	447	384	437	2,322	1,012	91	477	870	513	240	744	485	274	1,579	1,835	308
Israel																																														
1996	3,654	225	24	2,126	10	24	7	3	314	33	48	26	39	22	293	471	21	11	186	139	51	9	94	53	19	178	134	13	1	na	3	4	32	37	28	0	129	0	1	6	24	19	7	0	96	16
2020	11,322	1,243	166	5,611	225	404	259	159	1,948	545	552	387	526	308	1,391	2,252	421	236	1,645	984	579	417	1,183	664	382	816	871	338	64	na	142	76	268	1,253	603	31	611	65	57	247	334	233	84	67	908	169
Saudi Arabia																																														
1996	491	41	0	149	0	1	0	1	81	6	6	0	3	0	25	16	2	4	6	13	2	0	4	21	2	2	4	14	1	3	na	94	6	3	20	0	9	1	7	0	1	1	0	0	8	1
2020	25,867	1,198	210	3,791	92	330	114	132	2,117	186	284	175	207	175	944	909	229	147	820	379	323	195	656	336	174	518	290	1,091	447	142	na	7,369	492	3,206	3,645	176	600	1,643	3,557	190	924	699	249	637	1,185	115
Egypt																																														
1996	909	50	2	304	2	5	1	0	69	16	17	5	5	8	21	90	2	1	27	10	19	0	8	8	8	11	18	9	0	4	94	na	1	12	18	2	65	3	3	0	10	3	2	0	7	2
2020	16,409	778	293	2,672	83	340	82	158	1,322	221	326	249	126	261	648	1,272	274	204	727	262	349	236	601	242	97	600	320	616	384	76	7,369	na	263	1,912	1,035	101	1,017	435	723	73	547	312	216	234	440	159
South Africa																																														
1996	1,256	79	2	436	5	11	7	0	256	35	31	13	18	3	76	150	9	5	42	42	28	3	19	24	4	30	43	3	1	32	6	1	na	24	24	1	26	0	3	5	1	6	1	0	108	27
2020	14,337	1,176	306	4,199	324	762	358	236	3,335	422	713	360	486	368	1,250	1,730	297	211	998	1,165	469	347	843	892	523	672	860	400	437	268	492	263	na	1,441	1,264	164	588	210	329	163	300	274	253	229	1,757	294
China																																														
1996	5,693	504	14	2,128	8	32	7	5	684	67	67	14	67	50	276	590	40	16	215	117	33	17	84	140	36	95	106	9	3	37	3	12	24	na	99	13	848	35	11	122	130	166	14	5	284	48
2020	163,185	12,078	995	62,904	488	1,827	754	526	20,525	1,573	2,251	1,250	2,811	1,853	6,822	11,073	1,045	1,252	4,866	4,363	1,785	1,251	3,573	3,805	1,649	3,400	2,833	1,514	2,322	1,253	3,206	1,912	1,441	na	4,188	553	9,924	2,011	5,760	7,335	6,025	5,501	1,476	1,603	17,304	1,865
India																																														
1996	3,162	228	31	1,387	13	48	7	14	389	16	32	8	27	31	223	380	9	4	126	84	30	8	66	49	15	72	68	9	11	28	20	18	24	99	na	5	226	47	8	39	44	38	6	4	111	16
2020	36,811	2,029	737	9,836	295	1,250	449	359	4,505	587	700	672	589	587	2,054	2,823	484	496	2,071	1,078	1,004	710	1,459	958	672	1,350	1,122	1,048	1,012	603	3,645	1,035	1,264	4,188	na	386	2,024	1,604	874	1,085	2,955	1,428	801	959	2,810	381
Indonesia																																														
1996	393	16	0	104	0	2	1	0	37	2	3	0	6	5	27	19	0	0	1	31	0	0	0	4	1	1	6	0	0	0	0	2	1	13	5	na	95	6	1	3	0	3	7	3	51	9
2020	7,362	159	113	846	44	180	39	56	818	105	104	107	116	105	318	485	76	38	200	530	126	59	130	151	119	125	179	116	91	31	176	101	164	553	386	na	1,616	1,704	197	271	444	580	430	225	844	122

Table SPBS-36

Internationally coauthored S&E publications, by selected region, country, or economy pairs: 1996 and 2020

(Number)

Region, country, or economy and year	World	Canada	Mexico	United States	Argentina	Brazil	Chile	Colombia	United Kingdom	Austria	Belgium	Czechia	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Netherlands	Poland	Portugal	Spain	Sweden	Norway	Russia	Switzerland	Turkey	Iran	Israel	Saudi Arabia	Egypt	South Africa	China	India	Indonesia	Japan	Malaysia	Pakistan	Singapore	South Korea	Taiwan	Thailand	Vietnam	Australia	New Zealand
Japan																																														
1996	12,097	749	47	5,791	28	110	14	9	1,068	76	138	70	97	121	605	1,052	45	21	375	246	161	22	123	287	64	397	294	53	28	129	9	65	26	848	226	95	na	45	14	68	485	169	117	26	403	78
2020	41,280	2,685	531	12,674	394	1,164	508	257	4,791	967	1,044	824	897	741	3,751	5,072	497	337	2,657	1,886	1,028	562	2,024	1,650	737	1,549	1,764	617	477	611	600	1,017	588	9,924	2,024	1,616	na	1,064	335	944	2,780	2,046	1,532	1,153	3,216	546
Malaysia																																														
1996	370	13	0	69	0	2	1	1	110	1	3	1	0	1	8	12	1	2	3	6	1	0	0	4	1	0	2	0	2	0	1	3	0	35	47	6	45	na	1	16	1	5	7	2	29	1
2020	15,064	497	206	1,429	79	304	105	166	1,844	179	247	288	185	186	442	508	213	214	441	261	261	221	379	222	168	300	234	436	870	65	1,643	435	210	2,011	1,604	1,704	1,064	na	1,548	510	624	658	650	711	1,584	292
Pakistan																																													
1996	303	11	0	106	0	1	1	0	81	0	0	0	0	0	6	32	0	0	7	9	2	1	3	9	4	0	11	6	1	1	7	3	3	11	8	1	14	1	na	0	3	2	5	0	5	0
2020	16,327	659	321	2,012	75	427	100	184	1,664	290	233	266	185	286	555	801	214	210	673	272	305	229	415	363	189	399	275	1,036	513	57	3,557	723	329	5,760	874	197	335	1,548	na	164	1,391	639	433	622	889	263
Singapore																																													
1996	823	60	2	248	0	2	0	1	163	3	3	0	9	8	14	24	0	3	6	4	4	0	3	13	2	2	10	1	2	6	0	0	5	122	39	3	68	16	0	na	4	24	11	3	87	10
2020	15,769	930	146	4,005	105	267	88	78	2,247	241	283	143	367	242	800	1,129	179	179	678	708	216	141	481	442	249	212	597	186	240	247	190	73	163	7,335	1,085	271	944	510	164	na	848	632	287	342	1,886	318
South Korea																																													
1996	2,552	97	13	1,714	12	14	1	11	127	36	10	5	31	16	97	133	31	3	80	54	23	2	52	19	4	89	65	6	4	24	1	10	1	130	44	0	485	1	3	4	na	44	4	2	64	12
2020	27,281	1,534	390	10,766	129	567	199	194	2,451	460	553	479	522	480	1,389	2,192	334	235	1,391	685	571	362	1,062	650	379	853	874	535	744	334	924	547	300	6,025	2,955	444	2,780	624	1,391	848	na	1,035	580	1,428	1,763	355
Taiwan																																													
1996	1,902	84	3	1,430	2	9	0	0	89	1	11	10	4	15	52	74	6	2	55	25	8	5	26	10	5	33	38	1	3	19	1	3	6	166	38	3	169	5	2	24	44	na	9	1	34	5
2020	15,763	896	234	4,808	145	392	216	221	1,356	325	324	404	259	216	759	1,126	260	191	729	445	438	292	640	344	236	583	483	720	485	233	699	312	274	5,501	1,428	580	2,046	658	639	632	1,035	na	610	853	1,005	244
Thailand																																													
1996	560	25	4	221	0	3	2	1	75	11	8	0	9	1	23	21	0	2	5	14	0	2	3	10	0	1	18	0	0	7	0	2	1	14	6	7	117	7	5	11	4	9	na	8	68	7
2020	8,470	422	213	2,154	80	371	71	157	1,318	277	278	220	189	210	631	666	206	153	468	372	288	189	320	248	144	300	412	292	274	84	249	216	253	1,476	801	430	1,532	650	433	287	580	610	na	481	816	221
Vietnam																																													
1996	195	7	0	25	0	0	0	4	15	5	4	1	3	0	21	29	0	0	7	20	5	0	0	17	0	5	5	0	0	0	0	0	0	5	4	3	26	2	0	3	2	1	8	na	14	1
2020	10,691	361	111	1,370	57	166	61	92	718	87	281	163	130	90	742	627	102	108	362	219	229	104	254	198	165	567	155	342	1,579	67	637	234	229	1,603	959	225	1,153	711	622	342	1,428	853	481	na	1,189	121
Australia																																													
1996	6,775	531	26	2,314	36	49	26	5	1,406	60	84	31	87	50	340	567	15	32	163	188	41	9	67	240	37	98	175	8	39	96	8	7	108	284	111	51	403	29	5	87	64	34	68	14	na	385
2020	61,625	5,599	621	16,146	622	2,171	922	497	12,401	1,255	1,861	755	2,109	1,156	4,339	6,332	721	1,069	3,685	3,952	1,080	950	3,285	2,607	1,401	1,153	2,697	708	1,835	908	1,185	440	1,757	17,304	2,810	844	3,216	1,584	889	1,886	1,763	1,005	816	1,189	na	2,928
New Zealand																																													
1996	1,669	148	6	583	6	11	5	2	331	14	13	3	28	12	55	107	2	7	17	39	12	4	17	35	14	12	32	5	3	16	1	2	27	48	16	9	78	1	0	10	12	5	7	1	385	na
2020	9,793	1,027	224	2,759	144	457	178	176	2,302	311	386	240	348	309	790	1,164	192	339	661	545	269	292	560	431	282	279	496	193	308	169	115	159	294	1,865	381	122	546	292	263	318	355	244	221	121	2,928	na

na = not applicable.

Note(s):
Article counts refer to publications from a selection of journals and conference proceedings in S&E from Scopus. Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of the author(s) listed in the article. Articles are credited on a whole count basis (i.e., each collaborating region, country, or economy is credited with one count). Regions, countries, or economies that have contributed to less than 1% of all internationally coauthored articles in 2020 are omitted.

Source(s):
National Center for Science and Engineering Statistics; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed May 2021.