

Appendix table 5-38

S&E articles in psychology, by region/country/economy: 1997–2011

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
World	14,479.0	14,298.0	14,375.0	14,672.0	14,620.0	14,583.0	15,005.0	15,642.0	16,386.0	18,007.0	19,692.0	21,789.0	21,518.0	21,864.0	23,231.0
North America															
Canada	955.1	949.3	932.0	962.4	996.1	927.4	911.0	1,004.3	1,009.7	1,138.7	1,217.6	1,345.4	1,398.8	1,428.5	1,430.7
Mexico	35.4	41.3	56.1	48.8	44.2	42.7	60.9	46.6	58.0	59.9	77.7	67.7	58.9	60.9	54.7
United States	8,093.7	7,833.5	7,715.4	7,824.6	7,707.9	7,679.6	7,706.9	7,860.8	8,011.7	8,715.1	8,968.0	9,804.1	9,824.7	9,873.4	10,294.6
Central America/Caribbean															
Antigua and Barbuda	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bahamas	0.0	0.0	0.0	0.0	1.0	1.0	1.3	0.0	0.0	0.3	0.0	0.0	0.5	1.0	0.0
Barbados	0.0	0.0	0.5	0.5	0.0	1.0	0.5	1.3	0.0	1.3	0.0	0.0	1.5	0.2	0.3
Belize	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Costa Rica	0.5	0.5	0.3	0.3	1.3	1.0	0.0	1.1	1.8	2.3	3.0	0.5	1.6	2.8	3.5
Cuba	1.8	3.0	1.3	7.5	1.8	0.0	1.3	2.5	1.4	0.3	1.7	2.0	1.3	1.3	1.6
Dominica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	0.0
Dominican Republic	0.0	0.0	0.0	2.0	0.0	0.2	0.0	0.0	0.0	0.0 *	0.0	0.0	0.0	0.2	0.2
El Salvador	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	1.0	0.3	0.0
Grenada	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guatemala	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.3	1.3	0.5	0.0
Haiti	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Honduras	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jamaica	0.3	1.5	0.7	2.7	0.3	0.5	0.8	0.7	2.0	0.0	1.5	1.0	1.0	1.3	0.0
Nicaragua	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Panama	0.3	1.9	1.3	3.0	0.9	0.5	2.1	1.2	2.1	3.1	3.7	1.3	1.3	4.5	4.4
St. Kitts and Nevis	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St. Lucia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
St. Vincent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trinidad and Tobago	0.0	0.0	0.0	1.0	0.0	0.3	0.3	0.8	0.0	0.0 *	0.0	0.3	1.0	2.2	1.5
West Indies Associated States	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America															
Argentina	17.2	14.5	23.0	18.7	9.8	13.1	14.6	18.3	22.1	16.9	34.7	39.3	26.4	35.1	27.6
Bolivia	1.0	0.0	0.0	1.8	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3	1.0
Brazil	32.9	45.6	43.0	45.3	32.2	54.4	52.2	53.8	70.0	76.3	137.0	191.3	92.5	98.2	106.3
Chile	10.2	6.0	6.3	4.4	2.5	7.6	11.0	11.0	12.2	21.9	22.5	24.6	27.6	18.4	28.3
Colombia	9.0	6.2	4.7	3.9	6.3	4.2	8.2	10.8	8.5	13.5	22.9	20.1	13.5	9.4	15.3
Ecuador	0.0	0.0	0.0	0.5	0.0	0.5	0.0	1.0	0.0	0.2	1.0	0.6	0.3	0.5	0.7
Guyana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Paraguay	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Peru	2.3	0.5	0.5	2.0	0.0	0.7	0.5	1.2	1.5	1.4	4.0	1.7	2.4	2.3	3.2
Suriname	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.3	0.0	0.0
Uruguay	2.0	0.0	0.0	0.3	2.5	2.0	0.0	0.3	4.5	3.0	7.0	5.1	1.6	4.0	2.9
Venezuela	11.0	10.0	6.5	3.6	1.3	5.1	1.7	1.3	1.9	1.3	6.8	4.0	3.6	2.8	2.7

Appendix table 5-38

S&E articles in psychology, by region/country/economy: 1997–2011

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Europe															
European Union															
Austria	61.9	44.2	40.5	31.7	56.8	62.2	57.6	68.6	61.5	62.3	67.2	103.8	96.4	117.0	127.7
Belgium	87.7	99.5	96.7	96.3	119.8	121.3	137.4	172.4	198.6	232.8	254.7	307.8	299.4	309.1	316.3
Bulgaria	5.0	5.5	2.7	2.8	1.6	0.1	2.1	1.9	1.3	2.9	3.3	2.5	5.2	1.9	5.5
Cyprus	0.1	0.5	1.0	2.0	1.9	2.6	4.8	1.5	3.3	3.5	7.7	10.8	7.0	11.2	11.7
Czech Republic	52.9	35.6	38.2	36.9	42.7	43.0	36.8	38.0	44.1	54.9	73.5	64.1	57.4	68.8	67.3
Denmark	22.2	41.7	47.5	43.4	53.4	63.0	61.8	67.3	63.5	75.9	71.7	78.0	85.8	86.5	97.2
Estonia	4.4	2.7	7.8	7.0	4.1	5.2	12.0	9.7	9.8	9.2	16.5	12.7	14.9	17.5	10.6
Finland	100.5	94.2	83.4	91.5	94.6	82.2	103.2	115.7	110.3	117.7	128.2	142.7	156.5	133.4	163.6
France	274.8	305.0	302.8	285.7	282.6	295.5	287.6	332.3	347.0	369.8	413.7	546.0	444.8	436.9	490.3
Germany	715.9	730.0	773.1	778.4	819.5	808.6	854.5	885.3	979.2	1,078.8	1,213.2	1,340.8	1,274.5	1,370.2	1,437.3
Greece	15.4	10.2	15.1	16.2	17.1	16.5	26.9	32.4	36.8	51.4	46.4	55.4	66.2	70.8	71.0
Hungary	16.9	10.2	10.4	13.2	20.8	12.0	17.9	21.7	25.9	19.3	34.2	29.4	37.6	28.1	41.5
Ireland	22.5	45.8	20.9	30.1	28.9	40.6	20.5	45.9	41.3	26.4	47.3	57.8	66.3	64.4	79.2
Italy	157.9	149.8	140.7	131.2	163.3	170.6	207.7	196.3	209.8	274.7	315.2	378.1	397.5	393.4	448.3
Latvia	0.0	1.0	0.0	1.0	1.0	1.0	0.5	0.7	0.5	0.0	0.5	1.9	0.7	0.5	1.0
Lithuania	0.5	0.4	0.0	0.0	1.0	1.3	0.0 *	1.5	6.5	1.7	3.5	2.4	3.8	4.1	1.5
Luxembourg	0.0	0.0	0.0	0.0	1.0	1.8	1.0	0.0	0.0	2.0	1.5	3.3	3.6	2.9	8.7
Malta	0.0	0.5	0.0	0.0	0.0	0.5	0.0 *	0.0 *	1.3	1.5	0.3	0.0	1.5	1.8	0.1
Netherlands	425.4	420.3	433.4	433.1	444.2	488.0	508.1	534.4	620.8	661.0	781.9	934.7	914.6	962.8	1,004.2
Poland	16.3	14.0	23.0	16.8	18.6	21.7	22.7	24.8	30.5	23.0	42.5	43.4	35.8	43.5	79.9
Portugal	8.5	11.4	11.1	10.1	18.2	14.5	21.5	18.0	29.8	42.3	44.9	58.7	68.2	64.4	95.4
Romania	1.6	0.0	3.0	1.4	1.5	2.0	1.2	2.3	2.5	11.0	12.0	17.3	3.7	7.7	9.5
Slovakia	46.7	49.0	41.5	46.0	29.0	24.0	23.0	32.2	18.3	24.6	29.7	25.7	20.6	25.6	24.7
Slovenia	1.5	7.0	1.6	7.7	5.3	6.1	5.8	8.8	10.8	10.3	10.1	11.7	10.3	8.6	14.8
Spain	145.6	127.6	133.3	150.1	142.5	152.1	188.9	197.7	262.7	322.0	430.6	510.7	349.4	378.4	418.6
Sweden	187.5	171.9	173.5	196.3	187.1	188.5	209.1	195.9	211.8	232.0	262.0	255.4	233.3	224.3	249.8
United Kingdom	1,278.0	1,299.5	1,419.8	1,454.5	1,414.8	1,347.5	1,439.6	1,537.7	1,653.4	1,796.8	2,020.7	2,057.6	2,094.2	2,036.2	2,192.8
Other Europe															
Albania	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.1	0.0	0.3	0.5	0.0
Andorra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Belarus	1.0	2.5	4.0	9.0	0.0	1.5	0.0	0.0	0.0	0.0	1.0	2.0	4.1	1.0	2.1
Bosnia and Herzegovina	0.0	0.3	1.0	0.0	0.6	0.3	1.3	0.0	0.7	0.0	0.7	1.5	0.3	1.5	2.0
Croatia	6.1	9.5	8.6	6.5	11.5	3.3	10.9	3.1	8.1	7.2	17.9	13.6	5.5	10.6	8.5
Iceland	5.0	2.7	2.2	3.8	8.3	5.7	7.2	10.4	2.6	10.9	7.1	13.8	12.2	13.8	13.9
Kosovo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liechtenstein	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Macedonia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.5	1.6	0.1
Moldova	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0 *	0.0	0.0	0.0	0.0	0.0
Monaco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Montenegro	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0

S&E articles in psychology, by region/country/economy: 1997–2011

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Eritrea	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Ethiopia	0.8	1.2	0.0	0.0	0.3	0.3	0.0	1.0	0.0	0.8	0.0	0.2	1.0	1.5	0.5
Gabon	0.5	0.0	1.0	0.0	0.1	0.8	1.0	0.0	2.7	1.2	0.5	0.6	0.4	0.7	0.5
Gambia	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Ghana	0.0	1.5	1.3	2.1	1.0	0.0	0.5	0.0	0.0	0.5	0.8	0.1	1.0	1.4	0.2
Guinea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3
Guinea-Bissau	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kenya	2.3	2.3	2.7	2.6	1.3	1.5	2.2	2.4	2.9	2.3	4.1	3.8	2.6	3.0	1.0
Lesotho	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Liberia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Libya	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.3	0.5	0.0	0.0
Madagascar	0.0	0.5	0.0	1.6	0.0	0.7	1.0	0.4	0.4	1.9	0.9	0.9	0.3	0.4	2.5
Malawi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.9	0.0
Mali	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Mauritania	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mauritius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 *	0.0	0.0	0.0	1.1	0.5
Morocco	0.0	0.2	0.3	0.8	0.0	0.5	0.0	0.5	1.0	0.2	0.0	2.3	0.7	0.0	0.8
Mozambique	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1
Namibia	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.4
Niger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Nigeria	2.2	1.5	0.0	1.7	0.0	1.4	2.6	2.7	2.0	5.7	4.9	5.4	10.0	5.7	6.5
Rwanda	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.5	0.0	1.1
São Tomé and Príncipe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Senegal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.4
Senegambia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Seychelles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.0
Sierra Leone	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Somalia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Africa	85.2	90.1	85.3	74.8	70.2	65.0	72.3	75.0	72.5	98.5	79.1	142.6	77.9	80.6	85.0
Sudan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.3	1.0	0.0	0.1
Swaziland	0.0	0.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0 *	0.0	0.0	0.0	0.5	0.0
Tanzania	0.0	1.0	0.0	1.0	1.8	0.3	0.0 *	0.3	0.5	2.1	0.3	0.8	1.2	2.1	0.3
Togo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tunisia	1.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.5	0.7	1.7	1.5	1.8	0.0
Uganda	0.0	0.3	0.2	0.3	1.9	1.7	1.0	1.6	0.0	1.2	1.3	2.8	2.5	3.2	3.9
Zambia	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.5	1.5	0.0	0.1	1.0
Zimbabwe	1.5	1.9	1.3	1.6	2.0	0.5	0.7	0.0 *	0.3	0.5	0.0	3.5	0.3	1.3	0.0
Asia															
Afghanistan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.3	0.0	0.0
Armenia	1.0	0.0	0.3	0.0	0.0	0.0	1.0	0.0	0.0	0.0 *	0.0	1.0	0.0	0.0	0.6
Azerbaijan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Bangladesh	0.3	0.3	0.8	0.7	0.0	0.8	2.5	0.0 *	0.5	0.0	1.2	0.5	0.0 *	1.0	2.3

Appendix table 5-38

S&E articles in psychology, by region/country/economy: 1997–2011

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Tonga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Tuvalu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vanuatu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = rounds to zero. NA = not available; country did not exist as such.

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 their year of publication and are assigned to a region/country/economy on the basis of the institutional address(es) listed in the article. Articles are credited on a fractional-count basis (i.e., for articles with collaborating institutions from multiple countries/economies, each country/economy receives fractional credit on the basis of the proportion of its participating institutions). Detail may not add to total because of rounding.

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/.

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