

Appendix table 5-33

S&E articles in geosciences, 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	28,331.0	29,948.0	29,838.0	31,578.0	33,339.0	33,254.0	35,221.0	36,136.0	37,227.0	40,244.0	40,800.0	43,618.0	45,248.0	44,785.0	46,218.0
North America															
Canada	1,932.7	1,800.6	1,872.2	1,905.2	1,822.3	1,866.4	1,836.2	1,941.8	2,069.7	2,179.1	2,075.8	2,293.9	2,246.0	2,203.4	2,286.3
Mexico	158.2	222.3	219.5	280.6	250.2	296.4	341.8	380.8	316.1	344.5	313.7	320.7	342.8	388.4	336.6
United States	9,423.7	9,899.5	9,516.7	9,897.6	10,211.0	10,077.4	10,735.0	10,634.7	10,730.5	11,398.5	11,558.3	12,101.3	11,623.1	11,787.5	11,702.8
Central America/Caribbean															
Antigua and Barbuda	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Bahamas	0.3	0.5	0.0	1.5	0.5	0.1	0.0	0.6	0.2	0.2	1.2	0.3	0.3	0.7	1.4
Barbados	1.5	1.0	1.8	3.1	2.2	0.1	1.3	1.5	1.8	2.3	0.5	2.0	0.5	1.7	1.7
Belize	0.5	0.0	1.0	0.0	0.4	0.1	0.8	0.7	1.5	0.5	0.0	1.2	0.0	0.0	1.0
Costa Rica	5.1	1.3	2.9	7.5	4.9	5.8	5.7	3.0	6.5	10.6	10.3	7.2	14.0	11.6	16.2
Cuba	3.6	6.8	14.2	7.7	13.8	3.6	10.2	6.7	10.3	12.1	11.9	10.7	9.8	14.1	11.5
Dominica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
Dominican Republic	0.0	0.6	0.0	0.3	0.7	0.1	0.3	0.3	0.0	0.3	0.2	0.8	0.3	0.1	0.0
El Salvador	0.0	0.0	0.0	0.2	0.0	0.6	0.0	1.0	0.3	1.3	1.1	0.4	1.5	0.7	1.3
Grenada	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5
Guatemala	1.0	0.2	0.2	0.7	0.2	0.3	0.6	1.4	0.8	1.9	0.6	0.5	0.0	1.7	1.7
Haiti	0.0	0.0	0.2	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.3	0.8
Honduras	0.0	0.5	1.0	0.7	1.0	0.0	0.0	0.3	0.6	0.8	0.0	0.3	1.6	0.8	0.6
Jamaica	4.1	4.5	6.7	1.5	5.9	12.7	16.6	8.8	7.1	4.4	5.6	7.2	4.5	7.0	5.6
Nicaragua	0.5	1.8	1.3	1.0	1.7	1.5	1.3	2.8	1.4	2.4	1.7	5.2	1.2	1.2	2.2
Panama	6.7	3.8	2.5	3.7	6.3	4.6	6.8	6.4	5.7	5.9	5.6	14.5	12.5	11.8	7.6
St. Kitts and Nevis	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St. Lucia	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
St. Vincent	1.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Trinidad and Tobago	0.1	7.0	2.8	3.8	2.8	1.9	2.5	4.3	2.5	6.0	9.0	6.1	4.4	5.2	8.5
West Indies Associated States	0.1	1.2	0.8	0.3	1.2	1.5	1.9	0.6	2.5	1.3	0.1	1.2	3.1	1.7	0.7
South America															
Argentina	131.9	159.1	140.0	159.4	156.4	201.6	196.6	223.1	248.8	255.9	282.3	321.3	356.9	363.4	410.4
Bolivia	0.9	4.0	9.4	3.0	4.5	4.9	8.2	5.2	9.7	7.9	8.7	6.9	4.6	5.7	5.8
Brazil	174.0	217.6	266.2	290.1	328.6	360.9	364.9	423.8	481.4	515.5	547.5	556.0	723.2	649.0	758.1
Chile	54.0	61.4	88.9	94.5	124.0	118.2	130.3	161.0	132.3	159.6	169.3	181.7	175.1	188.5	205.4
Colombia	22.2	9.2	12.2	20.3	19.8	26.4	14.4	15.4	16.5	38.7	19.0	27.2	37.4	34.4	41.6
Ecuador	5.9	7.0	3.1	7.6	7.7	8.9	12.2	8.0	9.6	6.0	8.5	16.9	9.0	9.5	12.5
Guyana	0.0	0.5	1.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.7	0.0
Paraguay	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.3	0.7	0.0	0.0	0.0	0.0	0.6
Peru	4.0	3.0	4.3	5.6	8.4	10.7	8.0	14.8	11.1	18.7	12.8	22.4	16.7	14.6	16.5
Suriname	0.0	0.0	0.0	1.0	0.8	0.5	0.3	1.2	0.0	0.2	1.2	1.0	0.5	0.0	0.5
Uruguay	5.9	4.3	11.2	7.3	12.6	15.4	15.6	13.6	19.0	20.7	15.5	21.2	20.1	18.0	23.0
Venezuela	25.4	24.5	29.6	30.4	28.3	22.7	23.4	26.7	40.0	34.7	20.8	16.8	20.7	23.0	27.0

S&E articles in geosciences, 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	129.5	140.7	170.1	161.8	212.9	187.8	196.2	212.8	172.3	196.0	207.5	212.5	238.5	220.2	268.5
Belgium	214.9	262.7	258.8	268.4	289.0	306.5	330.2	307.1	348.2	340.3	318.8	390.0	350.5	329.1	356.6
Bulgaria	21.7	27.4	30.8	28.5	30.6	33.8	30.1	29.6	37.3	26.9	36.7	32.5	44.5	33.1	36.8
Cyprus	2.2	2.0	3.4	0.0	1.5	1.2	4.5	2.0	2.0	1.2	6.0	1.9	12.0	10.6	9.1
Czech Republic	87.8	112.2	74.7	78.8	101.0	130.2	162.6	148.5	166.9	183.7	202.6	209.2	257.8	247.8	255.1
Denmark	314.1	341.3	331.4	383.5	360.8	400.7	379.0	328.6	345.4	369.7	345.5	352.3	347.0	362.6	360.7
Estonia	21.9	31.3	38.9	21.2	33.4	26.8	41.6	38.6	45.5	42.9	36.5	58.8	44.7	59.0	50.7
Finland	231.4	271.6	232.1	222.9	299.9	269.2	278.5	277.8	259.7	263.8	278.4	322.5	274.9	284.1	285.4
France	1,630.4	1,779.1	1,829.3	1,780.2	1,802.5	1,762.3	1,800.2	1,868.7	1,916.2	2,009.6	1,971.8	2,098.8	2,258.0	2,260.3	2,174.6
Germany	1,626.9	1,657.5	1,716.9	1,774.4	1,799.3	1,823.5	1,810.3	1,766.9	1,945.1	1,831.7	1,886.3	2,068.7	2,066.2	2,096.6	2,122.4
Greece	173.2	183.9	175.6	193.2	185.5	226.7	245.3	230.0	265.9	310.3	316.4	295.9	322.0	280.8	296.9
Hungary	58.5	77.3	61.3	53.7	54.8	62.2	89.8	76.3	75.4	76.9	88.2	77.2	101.9	97.3	91.6
Ireland	68.8	57.0	59.9	67.4	87.5	74.5	76.5	79.2	109.6	128.0	114.8	126.8	149.7	135.0	163.2
Italy	695.3	772.3	856.6	960.4	998.5	981.4	1,161.2	1,213.5	1,195.7	1,343.0	1,380.4	1,480.5	1,541.4	1,490.9	1,520.1
Latvia	3.3	4.0	8.0	5.4	7.1	3.5	5.9	6.0	4.4	2.6	3.8	3.0	3.3	2.1	5.5
Lithuania	3.5	6.4	7.7	7.0	12.5	11.3	7.8	28.7	10.3	19.6	14.8	14.5	18.2	12.8	11.3
Luxembourg	0.5	1.9	0.9	2.2	2.8	1.1	2.8	6.1	10.6	4.2	6.7	6.2	10.9	9.1	8.4
Malta	1.4	0.3	0.0	2.8	1.4	3.0	4.2	0.8	2.5	4.0	0.3	3.9	2.8	4.6	7.8
Netherlands	583.3	629.1	561.6	560.2	562.2	619.7	565.3	589.2	633.1	624.8	603.3	631.0	651.0	654.8	627.8
Poland	145.8	142.6	136.7	131.1	183.2	169.4	202.3	195.1	236.8	241.6	265.3	275.2	354.2	315.9	323.2
Portugal	70.8	110.0	119.5	118.4	155.4	201.3	200.7	200.7	269.5	343.1	356.2	419.1	524.2	382.3	517.1
Romania	18.4	12.4	20.5	20.4	24.3	27.0	29.4	22.0	33.4	29.7	35.8	31.8	53.2	58.3	66.5
Slovakia	31.8	30.6	20.6	25.1	18.6	25.5	27.0	18.2	38.1	40.0	35.8	55.1	58.0	56.0	57.7
Slovenia	20.5	26.9	28.0	27.0	28.1	22.0	34.7	45.4	37.1	48.8	51.8	34.7	60.7	57.4	47.0
Spain	683.7	738.6	782.9	807.5	827.0	878.2	944.1	927.9	1,075.0	1,221.1	1,288.5	1,468.8	1,535.8	1,501.0	1,664.1
Sweden	385.8	505.5	472.6	437.6	524.8	443.2	493.6	529.0	528.0	553.6	507.0	546.4	509.5	533.3	480.8
United Kingdom	2,292.2	2,410.6	2,425.2	2,643.6	2,515.3	2,445.1	2,426.2	2,372.8	2,401.1	2,648.8	2,681.8	2,636.7	2,618.1	2,705.7	2,593.7
Other Europe															
Albania	1.0	2.9	2.8	1.1	3.4	3.7	0.3	0.5	1.5	0.6	1.6	4.1	1.4	0.8	9.5
Andorra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.3	0.1	0.0
Belarus	10.0	6.8	6.5	10.6	6.7	4.5	6.3	6.5	11.1	4.0	2.6	4.2	3.4	1.9	2.1
Bosnia and Herzegovina	0.0	0.0	0.0	0.3	0.5	0.0	0.3	0.5	0.7	0.0	1.5	0.7	2.0	1.8	2.0
Croatia	29.9	34.2	25.6	37.5	41.2	37.4	48.9	59.4	56.0	74.7	65.2	81.5	102.1	75.7	110.0
Iceland	28.6	31.0	22.4	37.7	31.2	41.2	39.0	32.8	45.8	53.2	53.5	49.8	45.9	38.5	49.3
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	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.2	0.0	0.3	1.0
Macedonia	1.0	1.3	0.5	0.0	1.5	1.5	0.0	1.7	1.3	1.6	2.3	2.6	2.0	4.2	3.2
Moldova	0.5	0.8	0.5	0.0	0.3	1.0	0.0	0.0	1.1	0.0	0.0	0.3	0.5	1.6	0.0
Monaco	7.2	7.8	14.9	5.3	5.7	10.1	11.2	12.8	8.3	8.8	7.2	9.9	11.9	7.2	8.6
Montenegro	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.3	0.1	1.3	1.5

Appendix table 5-33

S&E articles in geosciences, 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	0.2	1.2	0.2	0.5	0.5	2.2	1.1	1.8	2.1	3.3	0.5	0.5	0.5	1.3	0.3
Ethiopia	2.8	4.0	5.1	1.1	3.2	5.8	8.9	7.2	8.7	11.9	15.8	16.3	18.9	10.9	12.7
Gabon	1.3	0.3	0.0	0.1	1.1	0.0	1.3	0.0	0.5	0.3	0.4	0.6	0.7	0.0	0.3
Gambia	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Ghana	0.8	2.3	3.3	5.3	4.9	5.4	2.5	5.1	2.7	9.7	6.5	10.6	7.9	11.3	13.0
Guinea	0.0	0.0	0.5	0.5	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.4	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	11.7	11.9	16.3	17.2	26.9	25.2	21.6	14.9	20.9	16.2	25.5	15.4	23.1	17.1	14.3
Lesotho	0.0	0.0	1.3	0.5	0.0	0.0	1.0	0.0	0.2	0.1	0.0	1.0	0.8	0.0	0.3
Liberia	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	0.0	0.0
Libya	0.2	1.3	0.2	1.5	1.0	1.7	0.8	1.6	1.6	2.3	0.8	3.2	3.9	1.7	1.1
Madagascar	2.9	4.1	0.9	3.4	0.9	0.7	4.8	0.8	0.8	5.5	2.2	2.6	3.1	4.5	3.0
Malawi	3.3	0.0	2.0	1.8	0.3	1.5	1.3	1.0	1.2	3.6	0.7	0.8	0.1	0.8	4.6
Mali	0.0	0.0	0.2	0.3	0.0	1.6	0.3	0.9	0.0	1.0	0.5	1.0	4.0	0.9	0.5
Mauritania	0.5	0.3	0.8	0.5	0.5	0.7	0.7	0.2	2.1	0.5	1.2	0.3	1.2	0.7	0.3
Mauritius	0.0	1.5	1.2	0.8	1.0	1.3	1.3	1.2	1.4	2.1	2.0	1.8	0.6	3.2	1.8
Morocco	14.8	25.9	23.2	33.8	28.3	31.8	26.0	32.7	38.8	40.1	34.0	44.0	41.9	29.5	32.9
Mozambique	1.0	2.3	1.7	2.2	4.0	3.2	0.8	3.1	5.8	3.8	2.3	3.8	2.6	3.2	2.2
Namibia	2.0	0.5	5.7	0.7	4.0	3.4	2.2	1.9	3.0	3.4	4.6	5.0	2.6	1.4	1.3
Niger	7.9	2.5	1.4	0.5	1.0	2.0	1.3	1.3	2.4	2.1	2.0	3.5	4.1	2.9	1.6
Nigeria	26.3	18.2	19.6	21.5	14.5	25.4	20.3	25.6	24.7	31.0	24.5	29.0	33.3	34.6	31.3
Rwanda	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2	0.0	0.8
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	0.1	0.0	0.3
Senegal	6.0	1.0	6.4	5.5	3.7	4.9	6.4	4.6	7.4	5.9	2.8	6.7	6.1	5.9	8.9
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	0.5	1.0	0.0	0.8	0.3	0.5	0.0	0.4	0.6	0.7	0.9	1.9	1.2	0.5	0.7
Sierra Leone	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	230.6	197.2	248.1	212.6	248.6	258.5	216.8	269.1	214.2	255.2	261.3	242.9	312.0	274.2	287.7
Sudan	0.0	0.7	0.8	0.3	0.0	1.0	1.3	1.0	1.6	0.8	0.0	0.7	1.9	4.1	3.0
Swaziland	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.3	0.3	0.0	0.3	0.5	0.2
Tanzania	7.6	13.8	8.0	5.7	5.8	12.8	6.1	8.9	15.5	10.4	9.8	9.9	12.5	9.8	7.8
Togo	0.3	1.0	0.5	0.5	0.5	0.5	0.1	0.3	0.0	0.2	0.5	0.0	0.5	0.0	0.7
Tunisia	9.2	14.9	11.2	17.0	16.3	17.5	18.5	15.6	24.5	40.6	37.5	57.8	110.1	79.2	90.7
Uganda	1.1	2.5	2.5	3.5	3.5	1.3	7.5	3.8	4.3	5.9	6.3	6.5	6.1	8.8	4.5
Zambia	0.5	1.3	1.9	0.5	1.9	0.3	1.0	0.8	2.5	2.8	1.1	0.5	2.0	1.3	1.7
Zimbabwe	10.3	6.9	5.4	6.2	6.2	6.7	7.1	6.8	2.2	3.9	5.7	5.7	3.4	3.7	3.7
Asia															
Afghanistan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.5	0.4	0.0
Armenia	1.6	2.1	1.1	0.1	3.1	3.2	2.7	1.2	1.5	4.5	1.0	2.3	3.2	0.4	3.4
Azerbaijan	2.3	0.5	0.3	3.5	4.0	2.0	2.8	7.0	4.5	2.9	2.2	0.7	3.6	3.4	1.0
Bangladesh	4.2	4.6	7.8	10.1	11.2	11.0	17.7	11.7	13.3	18.5	30.1	17.7	17.1	20.8	24.9

Appendix table 5-33

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

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bhutan	1.0	0.0	0.0	0.5	0.0	0.5	0.3	1.3	0.5	0.3	1.0	1.0	1.2	1.6	0.4
Brunei	0.0	1.3	4.3	8.7	2.2	4.8	8.4	2.6	1.5	0.5	1.5	1.8	1.8	0.5	0.5
Burma	0.0	0.7	0.7	1.9	0.0	0.5	0.0	2.0	1.3	1.2	0.9	1.2	0.5	0.5	3.4
Cambodia	0.0	0.0	0.5	0.3	2.0	0.5	1.0	0.0	0.8	2.4	1.6	5.3	3.0	0.5	1.4
China	468.2	510.2	580.2	701.1	933.6	933.4	1,226.7	1,528.1	1,657.6	2,175.5	2,451.4	2,791.7	3,597.6	3,790.4	4,297.8
Georgia	4.5	5.7	3.2	1.8	3.3	4.4	7.2	4.6	2.3	10.3	6.3	9.0	7.5	5.8	9.1
India	400.9	330.4	408.8	388.6	443.2	507.7	510.0	594.0	707.3	754.4	834.3	908.9	1,022.3	948.1	1,051.7
Indonesia	19.1	12.7	20.8	28.7	22.1	20.6	23.0	21.4	17.2	16.2	21.9	27.6	36.8	36.4	22.8
Japan	1,445.3	1,599.9	1,445.7	1,693.4	1,947.0	1,921.9	1,974.2	2,098.2	2,078.7	2,218.4	2,093.1	2,213.0	2,131.9	1,990.6	1,957.1
Kazakhstan	8.5	1.7	3.5	6.0	8.0	3.6	5.4	4.6	6.1	3.9	8.5	5.0	4.2	2.1	2.5
Kyrgyzstan	2.6	1.0	0.0	1.0	2.6	1.6	0.8	0.4	0.9	4.8	3.9	2.7	1.4	1.4	4.1
Laos	0.7	0.0	0.5	0.0	0.5	1.0	1.0	0.5	1.8	5.3	1.2	0.7	0.2	0.6	3.1
Malaysia	24.4	17.8	18.1	25.1	26.1	46.1	38.5	36.6	38.3	27.2	52.0	67.1	101.4	121.8	116.1
Maldives	0.0	1.5	2.0	0.0	0.8	0.0	0.0	0.0	0.0	0.2	1.5	0.5	0.5	0.5	0.1
Mongolia	1.8	0.5	2.5	2.2	2.9	1.6	2.8	4.1	5.0	2.2	6.3	5.7	6.1	7.2	4.6
Nepal	5.9	2.6	5.5	6.6	6.3	5.4	6.1	7.3	9.9	7.3	8.8	8.9	6.3	8.8	7.4
North Korea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.8	0.8	0.3	0.3
Pakistan	8.7	7.6	7.2	7.2	9.7	13.9	12.2	13.6	17.1	22.3	32.0	36.5	75.6	49.9	53.3
Philippines	38.1	40.3	42.2	41.2	28.5	27.9	32.9	27.9	19.0	26.0	32.4	28.1	25.8	25.1	32.0
Singapore	54.2	40.9	37.5	64.2	67.7	71.9	91.6	85.0	82.7	75.5	71.2	81.5	69.1	81.5	93.1
South Korea	121.0	155.6	146.8	210.4	343.3	373.9	415.6	527.9	468.9	527.3	517.8	597.6	663.3	716.6	742.7
Sri Lanka	5.8	8.3	6.5	6.7	6.2	7.1	11.9	12.4	12.3	8.2	14.0	17.3	11.6	12.4	13.6
Taiwan	265.5	309.2	315.7	337.4	454.0	407.3	506.4	507.4	492.6	623.6	621.3	660.6	766.7	645.8	621.2
Tajikistan	1.5	0.0	2.0	3.8	5.2	3.2	5.6	3.2	2.8	2.4	5.0	0.0	0.6	4.7	0.5
Thailand	31.6	48.4	34.4	41.9	64.1	57.9	64.2	74.0	76.9	104.3	102.9	101.1	98.6	117.3	111.7
Turkmenistan	0.0	0.7	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0
Uzbekistan	5.2	3.5	1.7	0.8	2.2	0.8	4.5	7.0	2.1	4.2	1.3	1.6	6.0	3.0	2.1
Vietnam	5.2	5.7	8.9	11.8	9.5	11.8	8.0	6.4	15.1	15.6	22.6	22.3	26.6	25.6	28.4
Australia/Oceania															
Australia	1,081.3	1,233.0	1,235.2	1,316.4	1,375.5	1,211.7	1,380.3	1,432.4	1,470.4	1,503.8	1,578.9	1,697.0	1,644.1	1,700.0	1,854.6
Fiji	3.4	2.4	4.8	2.3	2.9	2.0	1.2	3.9	1.6	4.3	4.1	2.9	5.3	1.4	3.9
Kiribati	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Marshall Islands	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0
Micronesia	0.0	0.0	0.0	0.3	0.0	0.0	0.3	1.0	0.0	0.3	0.4	0.0	0.1	0.0	0.0
Nauru	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
New Zealand	329.7	327.0	340.1	310.2	372.8	337.2	396.3	347.2	366.9	363.0	351.4	368.4	354.1	404.4	417.6
Niue	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
Palau	0.0	0.0	0.0	0.0	1.8	0.0	0.7	0.5	3.0	0.6	1.3	0.4	0.5	1.0	0.7
Papua New Guinea	1.6	2.2	2.2	4.5	2.6	2.5	4.6	3.1	0.6	1.2	1.6	0.1	2.0	1.7	0.8
Samoa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Solomon Islands	2.7	3.0	5.4	2.2	0.7	0.5	1.6	0.3	0.4	1.0	1.2	0.0	0.5	0.4	2.2

Appendix table 5-33

S&E articles in geosciences, 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	0.2	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	0.7	0.5	0.3	0.6	0.3	0.3	0.5	0.4	0.8	0.6	0.0	0.0	1.8	0.5	0.4

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/.

Science and Engineering Indicators 2014