

Appendix table 5-32

S&E articles in engineering, 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	43,609.0	45,829.0	48,907.0	53,846.0	54,161.0	55,170.0	58,445.0	63,045.0	68,102.0	71,598.0	72,024.0	76,578.0	80,005.0	81,789.5	88,773.0
North America															
Canada	1,732.9	1,691.3	1,760.2	1,812.2	1,726.4	1,738.2	1,931.7	2,077.8	2,433.4	2,559.5	2,631.8	2,805.6	2,917.6	2,965.2	3,012.7
Mexico	138.0	175.8	222.9	225.4	289.9	323.8	326.0	384.7	351.2	447.4	416.6	457.5	479.4	480.8	504.0
United States	11,724.4	12,248.1	11,772.5	12,951.2	12,388.8	12,056.7	12,888.4	13,307.2	14,064.5	14,036.7	14,561.5	14,612.4	14,612.1	14,491.7	15,181.5
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbados	1.0	0.5	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	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	2.8	0.5	2.7	4.0	1.0	4.1	3.4	3.2	0.8	1.6	2.5	4.4	2.1	2.4	5.8
Cuba	16.2	19.6	29.0	28.8	26.3	26.7	25.5	30.4	29.2	28.5	27.1	20.1	18.8	12.1	21.1
Dominica	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
Dominican Republic	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.3	0.5
El Salvador	0.0	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	0.0
Grenada	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
Guatemala	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.5	0.0	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	0.2	0.0	0.0	0.8
Honduras	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	0.5
Jamaica	0.0	3.5	1.0	0.0	0.0	1.0	0.5	0.0	0.0	2.0	1.5	3.8	1.6	0.0	1.0
Nicaragua	0.5	0.5	0.3	0.3	0.0	0.0	1.3	0.3	1.0	0.3	0.3	0.0	0.0	0.8	0.8
Panama	0.0	0.0	2.0	1.5	0.0	0.5	0.0	0.8	0.6	0.3	1.3	0.0	0.3	0.3	1.0
St. Kitts and Nevis	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
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	0.0
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	3.0	2.5	2.0	1.5	6.1	4.7	3.8	7.5	11.3	3.0	8.1	3.5	3.2	7.0	7.2
West Indies Associated States	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0
South America															
Argentina	134.0	128.0	167.2	179.2	193.7	191.2	182.3	210.5	220.8	223.9	228.3	257.0	231.9	341.4	263.3
Bolivia	0.8	0.3	0.5	0.0	0.8	0.3	1.0	0.3	1.3	1.9	0.5	0.8	0.8	1.1	1.3
Brazil	295.7	381.1	574.1	602.8	663.2	676.8	808.1	820.3	949.5	906.8	881.9	985.6	1,017.0	1,039.0	1,083.9
Chile	28.0	38.8	57.2	66.9	65.8	66.1	113.1	89.6	119.6	99.2	116.0	124.9	159.0	147.4	124.7
Colombia	10.9	9.4	16.0	11.9	15.3	30.0	17.6	16.4	24.9	29.0	41.8	46.4	68.5	82.3	88.0
Ecuador	2.5	1.7	0.5	2.9	3.5	1.3	2.8	0.3	0.6	0.5	1.0	1.5	2.3	0.0	2.0
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	0.0	0.3
Paraguay	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.6
Peru	4.7	4.5	4.8	0.8	4.9	2.5	6.0	6.1	6.3	5.0	5.1	4.2	4.7	8.0	2.6
Suriname	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
Uruguay	1.3	3.2	2.9	3.9	4.3	7.3	2.8	7.5	7.5	7.2	14.8	11.7	15.0	10.8	8.1
Venezuela	35.3	31.0	41.2	35.5	41.3	55.7	52.7	30.4	36.3	34.5	38.3	51.1	36.0	34.4	30.6

S&E articles in engineering, 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	219.9	203.1	218.6	247.7	275.5	276.2	291.7	315.3	330.0	323.8	373.7	390.2	388.2	422.1	421.2
Belgium	312.9	355.0	360.5	401.9	420.3	486.3	430.4	505.4	549.8	520.8	602.5	613.5	592.9	651.8	666.0
Bulgaria	109.4	125.3	118.0	123.0	85.3	107.3	138.4	102.5	110.7	86.9	93.1	80.3	90.6	84.5	96.3
Cyprus	6.3	6.0	6.3	7.3	14.3	6.1	6.7	12.3	8.9	13.1	22.3	29.1	25.7	36.9	32.3
Czech Republic	182.4	146.1	158.4	174.5	206.5	196.5	234.3	271.1	289.5	257.6	256.7	296.8	344.4	315.0	350.8
Denmark	200.8	204.1	237.7	220.2	260.6	225.0	222.7	284.2	294.7	302.3	286.0	338.4	311.7	321.8	405.6
Estonia	7.2	11.1	33.7	40.7	38.1	39.3	37.9	40.9	54.1	43.5	53.0	47.5	60.9	41.3	50.7
Finland	249.0	293.0	326.1	343.2	364.5	386.7	369.8	399.9	415.7	465.8	413.8	407.7	432.1	427.8	469.3
France	2,066.8	2,019.5	2,222.4	2,390.8	2,406.9	2,576.9	2,450.6	2,622.6	2,712.9	2,948.0	2,839.8	3,169.4	3,255.6	3,040.3	3,388.8
Germany	2,912.3	2,865.7	3,208.3	3,334.9	3,413.5	3,155.9	3,190.1	3,152.0	3,332.5	3,379.7	3,284.4	3,221.2	3,294.6	3,349.2	3,757.3
Greece	243.0	327.3	315.0	344.0	324.7	427.9	404.8	498.5	438.7	531.0	653.2	645.1	641.8	617.9	633.1
Hungary	94.2	100.7	128.5	139.9	118.6	136.0	152.8	155.5	221.6	155.9	139.5	126.0	155.3	131.9	144.7
Ireland	68.0	107.7	102.6	113.8	107.4	115.5	140.7	162.0	212.8	189.5	244.4	221.1	253.7	255.2	270.7
Italy	1,218.6	1,352.5	1,441.7	1,737.4	1,807.0	1,746.0	1,853.5	2,069.4	2,042.6	2,230.0	2,255.3	2,335.7	2,447.9	2,329.1	2,670.4
Latvia	12.3	17.7	25.7	14.8	17.7	27.0	14.7	19.2	18.7	12.3	23.2	23.7	32.8	10.7	43.9
Lithuania	15.4	22.1	42.5	30.1	30.8	47.3	36.1	44.9	47.5	64.2	49.2	55.5	46.2	55.8	55.0
Luxembourg	2.1	1.8	2.0	1.0	3.9	2.4	3.5	2.7	5.9	4.7	4.6	12.2	9.8	22.0	21.8
Malta	1.5	2.0	3.0	1.0	1.7	2.0	2.5	0.5	3.1	2.7	3.2	5.8	5.9	6.6	6.2
Netherlands	623.6	709.7	683.5	821.6	775.3	772.0	733.5	799.6	864.0	813.3	902.5	904.0	924.3	971.7	960.1
Poland	359.1	386.0	408.3	499.2	597.4	612.6	584.7	710.1	627.2	716.7	658.6	745.8	706.2	652.7	758.0
Portugal	164.8	223.8	228.3	321.3	279.0	422.8	317.4	590.1	470.9	740.9	457.1	503.8	540.9	554.0	637.6
Romania	124.4	95.7	112.9	149.2	119.6	133.4	102.9	153.8	122.2	140.6	147.0	174.7	181.6	238.8	283.1
Slovakia	79.8	53.0	63.3	65.6	77.5	69.7	57.0	101.1	100.1	79.5	76.8	78.9	77.7	77.9	81.2
Slovenia	79.5	77.5	110.3	118.1	141.8	142.6	129.4	155.3	136.1	160.0	182.4	179.0	170.3	161.0	205.3
Spain	759.6	846.2	909.4	948.6	1,126.5	1,305.2	1,181.5	1,317.0	1,575.7	1,738.5	1,866.7	2,058.3	2,068.9	2,126.6	2,407.5
Sweden	577.6	570.0	683.5	811.4	733.3	784.7	685.5	798.2	847.8	848.9	804.8	805.5	773.8	822.0	870.5
United Kingdom	2,922.2	3,176.7	3,396.7	3,663.1	3,381.9	3,025.3	3,221.4	3,224.5	3,416.9	3,365.3	3,333.0	3,183.8	3,271.7	3,139.4	3,315.6
Other Europe															
Albania	0.3	2.8	1.7	1.8	0.5	2.0	1.0	0.3	0.0	0.3	2.3	0.0	0.7	1.7	2.1
Andorra	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	0.0	0.5
Belarus	43.0	59.0	50.5	52.0	43.6	59.1	55.7	47.8	42.7	43.2	32.5	37.4	34.4	32.8	27.2
Bosnia and Herzegovina	0.5	3.0	1.8	0.0	3.0	0.5	1.0	2.0	2.9	0.8	5.2	4.0	4.3	5.8	7.9
Croatia	23.0	27.3	26.2	51.3	31.1	34.0	42.1	53.2	53.5	51.3	48.8	59.9	70.0	80.4	72.8
Iceland	3.3	4.7	3.8	3.5	4.7	5.2	4.3	2.7	5.8	6.4	7.6	8.8	8.9	12.7	16.8
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	4.3	0.3	5.0	8.7	1.8	3.3	3.7	5.3	3.3	5.2	7.5	3.3	3.3	2.1	2.0
Macedonia	8.3	4.1	4.0	8.3	4.0	6.0	7.0	5.8	1.8	7.6	8.2	3.0	10.6	8.4	11.9
Moldova	9.1	4.0	6.2	5.7	6.1	6.2	5.6	3.1	5.1	4.5	6.7	5.0	6.1	10.4	5.2
Monaco	0.0	0.6	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.3	1.5	0.0
Montenegro	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0	3.2	8.5	3.5	11.0	9.5

Appendix table 5-32

S&E articles in engineering, 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	0.5	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Ethiopia	2.0	0.0	2.3	0.0	0.3	0.5	1.0	0.8	0.7	0.9	2.2	1.0	2.1	0.7	0.5
Gabon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	0.0	0.0
Gambia	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	0.0
Ghana	6.7	5.5	3.5	0.0	2.5	2.8	2.0	2.0	4.2	2.6	2.3	2.7	13.3	10.9	19.7
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	0.0	0.0
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	4.0	0.0	3.5	2.5	1.3	2.7	3.5	2.3	2.8	4.0	1.8	3.0	2.4	2.3	1.3
Lesotho	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0	0.0	0.3	0.7	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	0.0
Libya	3.1	4.6	3.8	5.5	4.5	1.0	9.5	6.3	4.6	2.3	11.7	11.3	3.8	3.8	2.5
Madagascar	0.0	0.3	0.0	0.0	0.0	0.0	1.0	2.0	1.5	3.7	2.0	0.7	1.0	0.2	0.0
Malawi	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	3.9	0.0	1.0
Mali	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.0	0.0	1.0	0.0	0.0	0.6	0.0
Mauritania	0.0	0.0	0.0	0.8	0.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5
Mauritius	1.0	0.3	0.5	0.0	0.0	0.0	0.5	1.0	1.3	0.5	0.0	2.0	1.0	1.0	2.3
Morocco	20.1	31.3	41.4	37.0	56.4	49.0	44.8	60.5	47.5	44.8	50.8	54.3	49.5	49.8	58.8
Mozambique	0.0	0.5	2.0	0.0	0.0	0.0	0.3	0.5	0.3	0.0	0.5	0.0	0.0	0.5	0.5
Namibia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	2.5	0.0	1.0	0.0	0.0	0.2
Niger	0.0	0.5	0.0	0.0	2.5	0.3	1.3	0.5	0.5	0.5	2.3	0.5	0.7	0.5	0.0
Nigeria	25.0	19.1	29.1	22.3	19.4	22.9	21.3	32.8	28.6	39.0	37.7	44.5	49.3	49.4	41.6
Rwanda	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	0.0	0.3	1.0	1.3
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	2.6	0.5	0.0	1.5	1.3	1.3	2.5	1.5	0.5	2.7	0.9	0.8	1.1	1.2	1.5
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	0.0	0.0	0.0
Sierra Leone	0.0	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
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	97.7	121.3	120.6	154.0	153.9	149.1	158.7	149.5	180.6	199.6	239.3	219.6	218.7	254.9	291.2
Sudan	0.5	0.5	1.0	1.0	1.5	1.7	0.0	0.3	0.7	1.7	1.0	4.3	1.5	0.4	8.7
Swaziland	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.3	0.0	0.3	0.7	1.5
Tanzania	0.3	1.7	3.2	2.3	2.3	0.7	0.0	1.5	0.0	4.8	4.2	5.7	4.5	2.2	0.5
Togo	0.3	0.0	0.0	0.0	0.5	0.3	0.5	1.5	0.0	0.0	1.0	2.3	0.0	0.0	1.3
Tunisia	12.9	18.5	24.2	44.4	47.4	50.9	72.2	81.8	95.4	94.9	122.0	138.7	178.7	148.2	139.0
Uganda	1.0	1.0	0.5	0.0	1.0	0.0	1.0	2.5	0.0	1.0	0.6	1.0	0.0	1.0	1.2
Zambia	1.8	1.0	2.5	0.0	1.0	0.2	0.0	0.0	1.5	0.0	0.0	0.0	0.5	0.0	0.0
Zimbabwe	3.0	2.3	6.8	3.8	9.0	2.5	2.5	0.7	3.2	0.8	0.8	0.0	1.3	1.8	0.5
Asia															
Afghanistan	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
Armenia	9.8	7.7	4.5	5.0	9.7	10.3	7.7	8.4	9.3	6.4	12.7	11.7	15.0	8.2	10.2
Azerbaijan	8.3	8.3	6.0	6.0	6.3	4.5	10.2	3.2	3.0	4.8	3.5	4.9	6.3	18.1	12.9
Bangladesh	13.3	17.2	21.0	26.5	18.0	21.8	25.2	25.9	29.6	42.4	30.1	26.0	36.5	47.6	41.7

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S&E articles in engineering, 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.0	0.0
Brunei	0.5	2.0	1.3	0.0	0.0	1.8	0.0	2.0	0.5	0.0	1.0	0.0	1.3	0.5	1.0
Burma	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.5	1.5	0.2	0.0	0.0	0.0	0.3	0.0
Cambodia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0
China	1,725.0	1,961.2	2,368.7	3,104.7	3,345.0	3,812.0	4,641.6	5,560.3	7,415.9	8,240.6	9,101.8	10,728.6	12,237.3	13,523.7	15,208.9
Georgia	2.0	7.0	10.1	6.3	7.8	8.5	12.6	13.2	11.5	7.7	7.4	7.0	9.2	8.4	9.6
India	1,153.4	1,181.1	1,337.2	1,360.1	1,497.5	1,497.3	1,647.2	1,802.2	1,962.8	2,417.2	2,965.8	3,156.6	3,301.1	3,471.0	3,778.3
Indonesia	9.9	8.1	11.1	13.1	23.4	16.0	11.3	17.9	14.6	30.2	16.5	20.2	23.4	23.9	43.6
Japan	5,410.2	5,661.9	6,192.7	6,353.0	6,276.6	6,687.3	7,006.7	6,932.0	6,962.0	6,996.2	5,885.8	5,462.4	5,549.6	4,968.6	5,203.7
Kazakhstan	10.1	10.8	5.0	11.7	9.0	18.7	4.8	15.6	5.5	4.6	14.4	8.8	5.6	8.6	6.9
Kyrgyzstan	0.3	0.0	1.0	0.0	2.0	0.3	0.2	0.0	0.3	0.0	0.8	3.0	0.8	1.0	2.0
Laos	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	0.3	0.3
Malaysia	32.0	42.1	62.0	51.6	59.3	66.3	81.4	130.0	143.9	242.9	193.2	233.2	383.7	461.9	677.9
Maldives	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
Mongolia	0.3	1.5	1.3	3.1	2.0	2.4	1.6	3.3	1.7	2.6	1.0	0.2	1.3	0.0	2.4
Nepal	0.5	0.0	0.5	0.5	0.0	0.3	0.5	0.3	0.8	2.3	1.4	1.6	1.2	3.4	2.6
North Korea	0.0	2.5	0.3	1.1	0.0	0.7	0.8	2.7	0.2	0.0	1.2	3.8	1.8	2.3	0.3
Pakistan	28.2	23.1	20.0	24.4	25.4	28.0	29.0	39.5	57.3	64.4	110.3	149.9	151.2	164.8	188.2
Philippines	4.4	1.8	1.8	4.3	5.9	5.5	8.5	5.6	7.9	6.2	4.7	6.4	10.7	13.8	13.3
Singapore	332.9	412.2	465.2	674.1	701.7	689.3	807.7	826.4	979.5	959.3	944.9	1,009.2	888.2	970.1	978.7
South Korea	1,103.5	1,367.0	1,663.8	2,076.4	2,271.7	2,446.6	2,895.0	3,453.3	4,012.9	4,124.1	3,649.9	4,563.9	4,680.5	5,061.9	5,429.3
Sri Lanka	0.7	1.5	4.6	3.2	1.5	3.5	7.9	4.8	5.3	3.8	3.5	7.8	5.7	6.1	13.2
Taiwan	1,212.5	1,219.7	1,281.4	1,490.7	1,577.1	1,574.3	1,887.7	2,010.4	2,197.9	2,702.6	2,685.7	2,912.5	2,990.3	3,032.8	3,040.4
Tajikistan	0.0	1.0	0.5	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.0	2.4
Thailand	34.4	46.2	43.3	59.6	67.8	91.8	104.9	142.2	150.6	211.5	240.6	295.0	312.9	353.9	403.8
Turkmenistan	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Uzbekistan	8.0	9.0	8.3	9.2	9.8	13.6	5.3	5.0	4.8	8.1	15.2	10.3	10.9	6.1	8.4
Vietnam	5.8	5.0	8.3	15.9	10.0	5.2	10.2	8.2	18.9	18.5	17.4	30.1	29.6	58.6	50.0
Australia/Oceania															
Australia	774.3	795.9	878.1	920.9	913.6	898.8	978.0	991.3	1,090.4	1,209.0	1,264.3	1,325.4	1,397.0	1,490.2	1,708.8
Fiji	0.5	0.0	1.0	0.0	0.8	1.5	2.0	6.8	2.5	4.5	4.2	3.0	1.7	0.9	3.0
Kiribati	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
Marshall Islands	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Micronesia	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
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	116.7	125.4	130.2	111.6	153.4	120.7	143.6	152.9	138.0	157.8	164.3	198.7	172.2	189.3	179.6
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Papua New Guinea	1.2	1.0	2.3	0.0	1.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Samoa	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
Solomon Islands	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	0.0

Appendix table 5-32

S&E articles in engineering, 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	0.0	0.0	0.0
Tuvalu	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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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