

APPENDIX TABLE 5-38 
**S&E articles in physics, by region, country, or economy: 2003–16**

(Number)

| Region, country, or economy   | 2003      | 2004      | 2005      | 2006      | 2007      | 2008      | 2009      | 2010      | 2011      | 2012      | 2013      | 2014      | 2015      | 2016      |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| World                         | 137,020.0 | 145,615.0 | 173,882.0 | 185,311.0 | 193,442.0 | 192,815.0 | 195,836.0 | 200,131.0 | 205,086.0 | 203,728.0 | 206,146.0 | 213,107.0 | 199,795.0 | 200,106.0 |
| North America                 | 34,890.6  | 36,392.9  | 42,580.1  | 44,953.5  | 44,415.6  | 41,695.5  | 40,528.1  | 41,125.1  | 41,235.3  | 41,302.5  | 38,650.1  | 38,929.2  | 34,954.4  | 32,215.3  |
| Canada                        | 2,635.4   | 3,034.6   | 3,433.1   | 3,728.5   | 3,948.4   | 3,909.4   | 3,902.1   | 3,656.5   | 4,096.9   | 3,918.1   | 3,825.1   | 3,783.5   | 3,442.8   | 3,081.7   |
| Greenland                     | 0.0       | 0.0       | 0.0       | 0.0       | 0.2       | 0.4       | 0.3       | 0.1       | 0.8       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       |
| Mexico                        | 1,000.7   | 983.6     | 1,286.5   | 1,568.0   | 1,397.9   | 1,424.8   | 1,180.0   | 1,387.7   | 1,493.0   | 1,367.8   | 1,433.8   | 1,463.6   | 1,425.9   | 1,549.7   |
| United States                 | 31,254.5  | 32,374.8  | 37,860.5  | 39,657.0  | 39,069.1  | 36,361.0  | 35,445.7  | 36,080.8  | 35,644.5  | 36,016.6  | 33,391.1  | 33,682.1  | 30,085.7  | 27,584.0  |
| Central America and Caribbean | 151.1     | 142.5     | 176.2     | 189.7     | 180.0     | 164.5     | 151.1     | 131.9     | 136.8     | 117.2     | 109.8     | 115.2     | 109.9     | 95.9      |
| 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       |
| Bahamas, The                  | 0.3       | 0.5       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.1       | 0.0       | 0.0       | 0.5       | 0.0       | 0.1       | 0.0       |
| Barbados                      | 9.5       | 8.0       | 4.3       | 2.8       | 2.2       | 3.0       | 3.2       | 3.5       | 2.9       | 4.2       | 2.0       | 2.0       | 5.5       | 3.0       |
| Belize                        | 0.1       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.8       | 0.0       | 0.0       | 0.0       |
| Costa Rica                    | 6.8       | 6.8       | 4.5       | 6.3       | 17.6      | 5.0       | 6.7       | 6.1       | 9.8       | 9.1       | 5.0       | 14.6      | 15.9      | 15.9      |
| Cuba                          | 52.2      | 41.6      | 71.1      | 56.9      | 47.5      | 56.3      | 42.5      | 29.8      | 36.1      | 30.1      | 35.4      | 35.9      | 28.5      | 29.5      |
| 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       |
| Dominican Republic            | 0.0       | 0.3       | 0.0       | 1.0       | 1.2       | 0.7       | 0.7       | 1.4       | 0.3       | 0.6       | 0.0       | 0.1       | 0.0       | 0.0       |
| El Salvador                   | 0.0       | 0.0       | 0.0       | 0.0       | 0.8       | 0.1       | 0.0       | 0.0       | 0.0       | 0.5       | 0.0       | 0.0       | 1.0       | 0.0       |



| Region, country, or economy      | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Grenada                          | 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     | 0.0     |
| Guatemala                        | 0.0     | 0.0     | 0.5     | 0.1     | 0.1     | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     | 0.0     | 0.1     | 0.0     | 0.3     |
| Haiti                            | 0.0     | 0.0     | 0.0     | 0.6     | 0.0     | 0.0     | 0.0     | 0.0     | 0.4     | 0.2     | 0.0     | 0.0     | 0.3     | 0.0     |
| Honduras                         | 0.0     | 0.3     | 0.0     | 0.2     | 0.2     | 0.3     | 0.0     | 0.3     | 0.0     | 0.5     | 0.0     | 0.0     | 0.0     | 0.0     |
| Jamaica                          | 1.7     | 0.0     | 0.0     | 2.2     | 2.5     | 0.7     | 3.0     | 5.2     | 3.7     | 0.3     | 0.9     | 2.0     | 1.3     | 4.3     |
| Nicaragua                        | 0.0     | 0.0     | 0.0     | 1.0     | 0.3     | 0.2     | 0.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| Panama                           | 2.0     | 1.0     | 0.1     | 0.2     | 0.8     | 0.5     | 3.9     | 1.0     | 1.0     | 3.2     | 1.5     | 2.7     | 2.3     | 0.9     |
| Puerto Rico                      | 75.2    | 74.8    | 89.0    | 112.5   | 103.2   | 96.1    | 85.5    | 77.3    | 75.2    | 64.0    | 59.7    | 57.3    | 49.7    | 36.9    |
| Saint Kitts and Nevis            | 0.0     | 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     |
| Saint Lucia                      | 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     |
| Saint Vincent and the Grenadines | 0.0     | 0.0     | 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              | 3.3     | 9.2     | 6.8     | 6.0     | 3.7     | 1.2     | 5.4     | 7.0     | 6.3     | 4.5     | 3.9     | 0.4     | 5.2     | 5.2     |
| South America                    | 2,768.8 | 3,181.7 | 3,217.9 | 3,286.6 | 3,901.9 | 3,435.2 | 3,604.2 | 3,734.2 | 3,773.9 | 3,998.4 | 4,262.1 | 4,188.5 | 4,229.3 | 4,408.8 |
| Argentina                        | 493.3   | 535.4   | 500.0   | 510.5   | 712.7   | 535.6   | 663.4   | 534.7   | 656.7   | 575.9   | 598.7   | 565.7   | 578.1   | 535.8   |
| Bolivia                          | 2.9     | 0.7     | 0.8     | 1.6     | 0.5     | 0.9     | 2.4     | 1.2     | 1.0     | 0.1     | 2.6     | 2.9     | 1.3     | 7.2     |
| Brazil                           | 1,887.7 | 2,212.9 | 2,281.9 | 2,231.0 | 2,619.5 | 2,303.9 | 2,380.6 | 2,546.0 | 2,519.4 | 2,592.4 | 2,878.4 | 2,676.8 | 2,784.2 | 2,788.9 |
| Chile                            | 122.4   | 189.0   | 177.9   | 256.6   | 239.4   | 286.6   | 251.2   | 322.6   | 271.6   | 434.4   | 307.4   | 447.0   | 393.9   | 501.8   |
| Colombia                         | 90.8    | 115.1   | 119.0   | 154.5   | 163.5   | 182.0   | 159.4   | 195.0   | 220.3   | 266.0   | 345.1   | 362.3   | 312.7   | 418.3   |
| Ecuador                          | 3.4     | 2.1     | 3.8     | 4.5     | 6.1     | 2.7     | 5.7     | 5.5     | 4.2     | 11.5    | 9.3     | 14.2    | 30.5    | 25.4    |



| Region, country, or economy | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     | 2014     | 2015     | 2016     |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Guyana                      | 0.0      | 1.3      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.1      | 0.0      | 0.0      | 0.0      | 0.0      |
| Paraguay                    | 0.0      | 0.0      | 0.0      | 0.7      | 0.0      | 0.0      | 0.0      | 0.0      | 0.9      | 0.8      | 1.3      | 0.0      | 1.4      | 0.3      |
| Peru                        | 10.0     | 10.8     | 9.5      | 8.6      | 22.6     | 7.9      | 20.6     | 19.3     | 19.6     | 17.6     | 24.9     | 19.4     | 13.0     | 22.5     |
| Suriname                    | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.2      | 0.0      | 0.0      | 0.0      | 0.2      | 0.1      | 0.4      |
| Uruguay                     | 27.5     | 26.2     | 31.3     | 21.4     | 41.8     | 31.5     | 35.2     | 33.4     | 31.1     | 24.5     | 29.3     | 35.6     | 46.2     | 52.9     |
| Venezuela                   | 130.8    | 88.3     | 93.7     | 97.2     | 95.6     | 84.2     | 85.7     | 76.4     | 49.2     | 75.1     | 65.2     | 64.3     | 67.8     | 55.2     |
| Europe                      | 55,722.5 | 59,045.0 | 67,243.0 | 69,281.2 | 72,035.8 | 72,466.1 | 73,658.7 | 74,061.7 | 75,558.2 | 74,895.2 | 75,047.0 | 77,519.3 | 73,119.6 | 72,552.4 |
| EU                          | 42,615.2 | 45,632.2 | 52,467.7 | 54,195.8 | 56,688.4 | 57,046.8 | 58,037.1 | 58,119.3 | 58,666.7 | 58,370.3 | 58,318.2 | 58,736.4 | 53,181.0 | 50,883.1 |
| Austria                     | 862.4    | 771.1    | 977.0    | 889.2    | 1,075.8  | 1,021.5  | 1,065.2  | 1,096.1  | 1,156.4  | 1,052.5  | 1,188.8  | 1,115.9  | 995.6    | 899.4    |
| Belgium                     | 1,280.7  | 1,305.4  | 1,493.8  | 1,541.6  | 1,524.5  | 1,640.9  | 1,530.5  | 1,610.4  | 1,526.8  | 1,689.1  | 1,508.5  | 1,646.3  | 1,418.7  | 1,466.1  |
| Bulgaria                    | 193.7    | 229.8    | 234.6    | 245.8    | 420.1    | 294.3    | 312.2    | 466.6    | 298.1    | 333.5    | 270.0    | 296.9    | 260.7    | 293.7    |
| Croatia                     | 117.6    | 145.8    | 153.6    | 144.7    | 189.6    | 190.6    | 198.1    | 187.6    | 191.1    | 179.1    | 158.1    | 124.6    | 133.6    | 123.1    |
| Cyprus                      | 16.4     | 14.6     | 27.8     | 35.5     | 36.4     | 50.8     | 52.9     | 63.8     | 63.7     | 54.2     | 95.1     | 70.6     | 77.3     | 80.2     |
| Czech Republic              | 551.6    | 785.7    | 815.3    | 965.0    | 982.3    | 1,017.0  | 1,108.1  | 1,069.4  | 1,123.5  | 1,140.3  | 1,240.8  | 1,253.8  | 1,419.9  | 1,390.9  |
| Denmark                     | 635.7    | 630.3    | 803.8    | 770.1    | 826.6    | 813.3    | 852.2    | 902.3    | 1,052.3  | 1,013.8  | 1,007.3  | 1,015.9  | 904.8    | 861.1    |
| Estonia                     | 75.5     | 77.4     | 113.8    | 93.5     | 129.3    | 118.4    | 108.9    | 134.5    | 110.4    | 101.8    | 125.1    | 145.2    | 119.3    | 101.1    |
| Finland                     | 705.8    | 704.6    | 802.2    | 851.3    | 891.6    | 933.7    | 910.1    | 865.8    | 956.8    | 881.7    | 968.0    | 933.7    | 739.9    | 747.0    |
| France                      | 6,510.8  | 7,126.3  | 8,013.4  | 8,316.8  | 8,613.9  | 8,922.0  | 8,854.8  | 8,633.7  | 8,843.6  | 8,648.6  | 8,578.0  | 8,627.4  | 7,645.9  | 7,300.5  |
| Germany                     | 9,934.1  | 10,185.2 | 11,796.6 | 11,952.2 | 12,547.3 | 12,230.0 | 13,209.5 | 13,264.3 | 13,438.7 | 13,418.6 | 13,516.5 | 13,171.7 | 11,602.9 | 11,060.6 |



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|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Greece                      | 546.6    | 588.6    | 778.5    | 900.5    | 1,038.6  | 918.3    | 927.0    | 866.7    | 835.2    | 826.5    | 827.7    | 817.7    | 800.6    | 760.5    |
| Hungary                     | 489.7    | 472.8    | 594.1    | 520.7    | 526.9    | 574.4    | 495.2    | 497.0    | 521.6    | 540.8    | 483.8    | 529.5    | 504.8    | 421.9    |
| Ireland                     | 242.6    | 371.3    | 653.1    | 525.8    | 579.1    | 578.0    | 628.0    | 650.4    | 706.8    | 589.8    | 542.2    | 548.5    | 427.5    | 412.2    |
| Italy                       | 4,824.2  | 5,410.7  | 5,759.2  | 6,225.5  | 6,683.2  | 6,486.1  | 6,190.8  | 6,196.8  | 5,945.0  | 6,048.2  | 6,135.8  | 6,552.8  | 5,763.0  | 5,765.9  |
| Latvia                      | 43.0     | 57.9     | 85.9     | 55.5     | 90.1     | 87.6     | 79.1     | 89.7     | 114.3    | 105.7    | 99.7     | 92.0     | 139.1    | 109.6    |
| Lithuania                   | 109.1    | 192.9    | 252.2    | 316.0    | 234.9    | 319.8    | 332.0    | 321.5    | 288.9    | 236.6    | 308.9    | 333.2    | 319.0    | 212.7    |
| Luxembourg                  | 4.8      | 10.2     | 2.7      | 6.3      | 10.2     | 15.0     | 23.8     | 22.9     | 38.1     | 38.3     | 52.8     | 56.7     | 51.4     | 60.2     |
| Malta                       | 0.3      | 1.5      | 5.8      | 2.7      | 3.3      | 8.7      | 5.6      | 1.8      | 10.8     | 8.9      | 11.6     | 15.7     | 9.4      | 12.6     |
| Netherlands                 | 1,638.0  | 1,800.9  | 1,961.6  | 1,963.2  | 1,910.0  | 1,894.4  | 1,929.6  | 1,931.5  | 2,090.0  | 2,028.9  | 1,956.2  | 1,901.0  | 1,618.2  | 1,638.0  |
| Poland                      | 2,414.1  | 2,546.5  | 2,984.9  | 3,147.8  | 2,874.8  | 3,211.4  | 2,990.6  | 2,876.0  | 2,839.1  | 3,083.0  | 3,594.7  | 3,528.3  | 3,838.3  | 3,508.3  |
| Portugal                    | 559.7    | 558.7    | 691.6    | 711.5    | 775.8    | 812.7    | 850.0    | 1,028.9  | 991.4    | 999.9    | 997.2    | 952.6    | 846.4    | 837.2    |
| Romania                     | 382.6    | 416.5    | 476.5    | 475.2    | 752.9    | 917.0    | 1,077.4  | 1,174.7  | 975.5    | 1,106.2  | 1,014.1  | 803.0    | 1,063.3  | 935.5    |
| Slovakia                    | 236.0    | 300.7    | 223.3    | 318.2    | 251.4    | 381.0    | 263.8    | 357.1    | 276.1    | 345.1    | 321.3    | 485.0    | 335.9    | 371.3    |
| Slovenia                    | 257.1    | 203.8    | 290.4    | 316.1    | 311.0    | 333.9    | 308.7    | 340.1    | 359.8    | 311.4    | 323.2    | 291.9    | 244.4    | 231.9    |
| Spain                       | 2,518.5  | 2,851.5  | 3,436.0  | 3,381.6  | 3,873.3  | 3,655.1  | 4,154.0  | 4,024.0  | 4,376.3  | 4,209.0  | 4,025.4  | 3,832.4  | 3,384.3  | 3,289.3  |
| Sweden                      | 1,392.1  | 1,474.2  | 1,566.0  | 1,603.3  | 1,502.9  | 1,469.8  | 1,471.3  | 1,569.0  | 1,621.4  | 1,601.5  | 1,486.8  | 1,606.9  | 1,412.3  | 1,312.0  |
| United Kingdom              | 6,072.4  | 6,397.2  | 7,474.0  | 7,919.9  | 8,032.6  | 8,150.9  | 8,107.8  | 7,876.7  | 7,915.2  | 7,777.1  | 7,480.5  | 7,987.1  | 7,104.3  | 6,680.3  |
| Other Europe                | 13,107.2 | 13,412.8 | 14,775.3 | 15,085.5 | 15,347.5 | 15,419.3 | 15,621.5 | 15,942.4 | 16,891.5 | 16,524.8 | 16,728.8 | 18,782.9 | 19,938.6 | 21,669.2 |
| Albania                     | 1.0      | 0.8      | 1.9      | 2.5      | 12.4     | 2.0      | 6.0      | 28.5     | 2.2      | 2.3      | 4.3      | 1.0      | 5.1      | 14.5     |



| Region, country, or economy        | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    | 2013    | 2014     | 2015     | 2016     |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| Andorra                            | 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      |
| Belarus                            | 480.5   | 424.0   | 559.4   | 476.9   | 598.9   | 388.1   | 404.0   | 391.3   | 434.9   | 329.4   | 361.7   | 349.2    | 325.5    | 313.4    |
| Bosnia and Herzegovina             | 3.9     | 2.7     | 4.8     | 9.0     | 12.6    | 11.0    | 12.0    | 11.5    | 9.2     | 13.3    | 11.7    | 8.5      | 17.1     | 17.2     |
| Holy See (Vatican City)            | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.2     | 0.0     | 0.2     | 0.0      | 0.0      | 0.1      |
| Iceland                            | 13.7    | 11.7    | 15.9    | 15.5    | 13.0    | 28.5    | 33.4    | 38.2    | 33.4    | 54.7    | 40.6    | 34.1     | 31.2     | 32.0     |
| Kosovo                             | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 2.3     | 2.6     | 5.9     | 0.6     | 1.2     | 2.7     | 2.5      | 4.4      | 10.0     |
| Liechtenstein                      | 5.2     | 2.9     | 5.6     | 5.3     | 6.4     | 2.0     | 3.1     | 4.8     | 7.3     | 5.7     | 6.3     | 8.0      | 0.3      | 3.4      |
| Macedonia                          | 16.3    | 21.4    | 15.4    | 16.8    | 18.2    | 21.6    | 20.5    | 26.9    | 27.7    | 11.4    | 18.5    | 15.2     | 17.7     | 31.8     |
| Moldova                            | 54.5    | 39.8    | 79.8    | 49.6    | 60.1    | 44.9    | 70.0    | 53.0    | 66.8    | 72.5    | 57.6    | 48.2     | 57.9     | 51.0     |
| Monaco                             | 0.0     | 1.8     | 1.0     | 1.6     | 0.2     | 0.0     | 0.5     | 0.3     | 1.3     | 1.2     | 1.1     | 0.8      | 0.9      | 2.7      |
| Montenegro <sup>a</sup>            | na      | na      | na      | na      | 16.4    | 11.0    | 7.2     | 17.1    | 8.0     | 7.0     | 15.4    | 14.5     | 1.4      | 18.8     |
| Norway                             | 206.7   | 254.7   | 333.8   | 353.4   | 394.4   | 420.1   | 387.1   | 455.8   | 511.9   | 502.1   | 470.8   | 449.6    | 399.2    | 392.4    |
| Russia                             | 8,432.8 | 8,595.0 | 9,054.7 | 9,111.1 | 8,675.7 | 8,980.3 | 9,106.6 | 9,211.3 | 9,635.2 | 9,324.0 | 9,505.2 | 11,287.2 | 12,700.2 | 14,558.9 |
| San Marino                         | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.1     | 0.3     | 0.3     | 0.5     | 0.1      | 0.1      | 0.0      |
| Serbia <sup>a</sup>                | na      | na      | na      | na      | 346.1   | 324.8   | 307.4   | 324.7   | 291.8   | 392.9   | 298.0   | 305.9    | 275.1    | 291.8    |
| Serbia and Montenegro <sup>b</sup> | 128.3   | 138.9   | 202.5   | 238.4   | na      | na      | na      | na      | na      | na      | na      | na       | na       | na       |
| Switzerland                        | 1,638.7 | 1,679.6 | 2,026.2 | 2,197.0 | 2,303.3 | 2,165.4 | 2,173.6 | 2,346.6 | 2,428.0 | 2,460.1 | 2,523.9 | 2,574.5  | 2,300.8  | 2,051.7  |
| Turkey                             | 652.8   | 768.2   | 810.9   | 946.4   | 1,364.1 | 1,079.0 | 1,257.8 | 1,178.1 | 1,250.8 | 1,478.0 | 1,414.4 | 1,617.8  | 1,834.7  | 2,128.8  |
| Ukraine                            | 1,472.9 | 1,471.4 | 1,663.4 | 1,662.1 | 1,525.5 | 1,938.4 | 1,829.8 | 1,848.4 | 2,181.8 | 1,868.9 | 1,995.9 | 2,065.3  | 1,966.8  | 1,750.8  |



| Region, country, or economy | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Middle East                 | 2,052.0 | 2,181.9 | 2,487.6 | 2,789.3 | 3,235.1 | 3,609.5 | 3,768.2 | 4,096.7 | 4,781.0 | 4,928.1 | 5,160.9 | 5,511.3 | 5,657.1 | 6,168.1 |
| Armenia                     | 130.8   | 121.7   | 149.6   | 117.3   | 164.3   | 145.1   | 163.7   | 201.8   | 245.6   | 229.1   | 181.3   | 220.7   | 163.1   | 189.3   |
| Azerbaijan                  | 74.2    | 62.4    | 69.4    | 58.9    | 75.8    | 82.4    | 86.9    | 109.4   | 129.9   | 97.5    | 83.8    | 90.8    | 102.3   | 108.7   |
| Bahrain                     | 6.9     | 14.9    | 10.4    | 17.7    | 20.8    | 15.8    | 8.2     | 25.3    | 18.3    | 11.8    | 11.2    | 11.4    | 9.1     | 10.5    |
| Gaza Strip                  | 11.0    | 15.2    | 7.4     | 6.4     | 16.1    | 14.0    | 12.7    | 12.1    | 23.8    | 22.6    | 18.8    | 16.5    | 16.1    | 12.1    |
| Georgia                     | 52.5    | 68.4    | 52.9    | 68.7    | 62.1    | 75.4    | 68.1    | 54.7    | 73.1    | 46.9    | 51.4    | 54.6    | 54.8    | 47.4    |
| Iran                        | 309.2   | 425.6   | 546.1   | 784.1   | 972.5   | 1,372.0 | 1,615.4 | 1,848.9 | 2,165.7 | 2,321.6 | 2,545.1 | 2,752.2 | 2,908.7 | 3,326.5 |
| Iraq                        | 9.8     | 2.8     | 13.3    | 15.8    | 27.5    | 20.5    | 32.8    | 33.7    | 53.7    | 81.5    | 91.2    | 86.5    | 86.7    | 132.3   |
| Israel                      | 1,238.8 | 1,232.3 | 1,369.7 | 1,435.9 | 1,558.9 | 1,521.0 | 1,361.4 | 1,337.0 | 1,415.9 | 1,397.1 | 1,352.8 | 1,298.7 | 1,305.6 | 1,113.2 |
| Jordan                      | 45.5    | 55.7    | 52.2    | 54.1    | 55.3    | 68.3    | 65.5    | 67.3    | 71.3    | 71.8    | 63.1    | 63.4    | 51.5    | 66.0    |
| Kuwait                      | 8.8     | 18.3    | 13.6    | 26.6    | 22.0    | 23.9    | 32.4    | 20.1    | 25.0    | 24.9    | 27.7    | 33.8    | 18.4    | 29.7    |
| Lebanon                     | 9.2     | 19.0    | 20.7    | 23.8    | 32.7    | 27.6    | 30.2    | 35.4    | 33.7    | 31.5    | 32.4    | 55.0    | 43.5    | 46.7    |
| Oman                        | 19.9    | 23.3    | 22.4    | 19.1    | 21.4    | 27.3    | 19.0    | 33.0    | 30.3    | 26.8    | 21.4    | 24.5    | 28.2    | 44.3    |
| Qatar                       | 4.4     | 2.4     | 3.9     | 7.9     | 10.3    | 13.4    | 13.0    | 14.1    | 23.1    | 25.3    | 35.5    | 38.7    | 60.5    | 76.6    |
| Saudi Arabia                | 92.3    | 80.8    | 98.2    | 104.0   | 121.2   | 134.0   | 173.7   | 217.9   | 374.1   | 419.9   | 517.6   | 607.3   | 644.4   | 794.8   |
| Syria                       | 6.4     | 13.4    | 19.9    | 12.6    | 22.3    | 14.3    | 23.5    | 24.2    | 31.1    | 19.2    | 20.0    | 23.9    | 26.0    | 22.2    |
| United Arab Emirates        | 26.0    | 21.7    | 31.3    | 30.6    | 42.1    | 34.2    | 52.5    | 45.2    | 50.4    | 83.4    | 81.9    | 107.0   | 124.0   | 129.1   |
| West Bank                   | 5.8     | 2.0     | 4.8     | 1.9     | 5.2     | 15.4    | 4.8     | 10.1    | 7.9     | 6.5     | 13.2    | 12.7    | 8.8     | 11.8    |
| Yemen                       | 0.4     | 2.1     | 2.0     | 4.0     | 4.8     | 4.8     | 4.6     | 6.8     | 8.2     | 10.6    | 12.4    | 13.7    | 5.4     | 7.0     |



| Region, country, or economy       | 2003  | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    |
|-----------------------------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Africa                            | 875.4 | 1,035.2 | 1,108.1 | 1,202.9 | 1,369.8 | 1,562.5 | 1,639.5 | 1,576.7 | 1,628.6 | 1,837.8 | 1,823.9 | 2,279.1 | 2,453.4 | 2,821.6 |
| Algeria                           | 127.4 | 158.6   | 173.4   | 205.1   | 274.7   | 372.8   | 366.5   | 327.6   | 294.6   | 397.0   | 353.5   | 450.4   | 458.8   | 556.1   |
| Angola                            | 0.0   | 0.0     | 0.0     | 1.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.3     | 0.0     | 0.0     | 0.0     | 0.1     |
| Benin                             | 4.3   | 3.3     | 3.2     | 7.1     | 11.3    | 5.2     | 5.8     | 8.2     | 6.7     | 5.7     | 9.8     | 14.8    | 15.7    | 16.2    |
| Botswana                          | 9.0   | 5.0     | 2.7     | 3.7     | 7.0     | 4.4     | 0.7     | 2.1     | 0.8     | 3.1     | 0.6     | 3.4     | 2.6     | 8.7     |
| Burkina Faso                      | 2.0   | 1.0     | 0.6     | 1.1     | 0.7     | 1.1     | 1.8     | 0.0     | 0.6     | 2.5     | 2.5     | 1.7     | 3.5     | 0.1     |
| Burundi                           | 1.4   | 1.3     | 0.0     | 0.3     | 0.7     | 0.0     | 0.0     | 0.1     | 0.0     | 0.1     | 1.0     | 0.0     | 0.1     | 0.1     |
| Cameroon                          | 22.2  | 29.3    | 40.7    | 47.0    | 33.0    | 41.7    | 36.9    | 27.8    | 35.4    | 43.4    | 43.1    | 60.7    | 62.7    | 69.3    |
| Cape Verde                        | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.1     |
| Central African Republic          | 0.8   | 0.3     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.2     | 0.0     | 0.0     | 0.0     | 0.0     | 1.0     |
| Chad                              | 0.0   | 0.0     | 0.3     | 0.5     | 0.0     | 0.3     | 0.0     | 0.0     | 0.0     | 0.1     | 0.0     | 0.1     | 0.2     | 0.3     |
| Comoros                           | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.3     | 0.1     |
| Congo, Democratic Republic of the | 0.1   | 0.0     | 0.1     | 0.1     | 0.2     | 0.7     | 1.3     | 0.1     | 0.3     | 0.2     | 0.1     | 0.0     | 1.0     | 0.0     |
| Congo, Republic of the            | 0.2   | 0.5     | 0.4     | 4.9     | 0.3     | 0.0     | 2.0     | 1.4     | 0.7     | 1.3     | 1.4     | 0.5     | 0.5     | 2.1     |
| Côte d'Ivoire                     | 0.0   | 0.9     | 1.0     | 1.3     | 1.9     | 3.3     | 1.1     | 1.5     | 5.7     | 0.4     | 1.7     | 0.1     | 2.6     | 1.2     |
| Djibouti                          | 0.0   | 0.0     | 0.0     | 0.0     | 0.1     | 0.0     | 0.0     | 0.2     | 0.0     | 0.0     | 0.0     | 0.1     | 0.0     | 0.0     |
| Egypt                             | 342.5 | 335.0   | 375.9   | 396.3   | 455.0   | 435.3   | 514.9   | 491.7   | 456.9   | 461.3   | 506.5   | 589.5   | 680.5   | 752.1   |
| Equatorial 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     |
| Eritrea                           | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.8     | 1.5     | 0.3     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.3     |



| Region, country, or economy | 2003  | 2004  | 2005  | 2006  | 2007 | 2008  | 2009 | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  |
|-----------------------------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Ethiopia                    | 0.3   | 4.2   | 5.0   | 5.8   | 11.7 | 12.9  | 6.9  | 9.3   | 12.3  | 11.4  | 11.9  | 15.6  | 10.4  | 18.3  |
| Gabon                       | 0.0   | 0.0   | 0.0   | 0.0   | 0.8  | 2.3   | 0.3  | 0.2   | 1.2   | 1.4   | 0.6   | 0.3   | 0.9   | 1.3   |
| Gambia, The                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.1   | 0.0   | 0.0   | 0.0   |
| Ghana                       | 5.0   | 2.3   | 2.7   | 2.8   | 4.4  | 1.6   | 1.7  | 6.9   | 5.0   | 5.9   | 3.7   | 7.3   | 6.5   | 15.2  |
| Guinea                      | 0.0   | 0.2   | 0.1   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Guinea-Bissau               | 0.0   | 0.0   | 0.7   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Kenya                       | 2.8   | 7.1   | 2.6   | 0.8   | 3.5  | 2.0   | 5.3  | 7.0   | 7.9   | 13.0  | 11.6  | 11.6  | 9.9   | 8.9   |
| Lesotho                     | 0.1   | 0.7   | 0.3   | 1.7   | 0.2  | 1.8   | 0.3  | 0.3   | 0.0   | 1.0   | 1.0   | 0.0   | 0.8   | 1.2   |
| Liberia                     | 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   | 0.5   |
| Libya                       | 2.5   | 2.8   | 1.7   | 2.3   | 0.7  | 6.8   | 7.7  | 9.9   | 5.4   | 8.1   | 14.0  | 9.9   | 7.6   | 5.8   |
| Madagascar                  | 0.0   | 0.1   | 0.0   | 0.6   | 14.9 | 1.1   | 1.2  | 2.0   | 6.7   | 0.5   | 2.3   | 0.5   | 2.7   | 2.0   |
| Malawi                      | 0.0   | 0.0   | 0.1   | 0.0   | 0.2  | 0.1   | 0.1  | 0.0   | 1.2   | 0.0   | 0.1   | 0.6   | 0.0   | 0.4   |
| Mali                        | 0.3   | 0.7   | 0.3   | 0.1   | 0.0  | 0.3   | 0.0  | 0.0   | 0.0   | 0.3   | 0.3   | 0.0   | 1.4   | 0.0   |
| Mauritania                  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.1   | 0.2  | 0.0   | 0.0   | 0.0   | 0.0   | 1.3   | 0.0   | 0.0   |
| Mauritius                   | 1.0   | 0.0   | 2.3   | 2.0   | 2.0  | 2.7   | 5.7  | 3.5   | 0.6   | 1.0   | 3.4   | 3.2   | 1.5   | 2.2   |
| Morocco                     | 107.7 | 150.0 | 106.5 | 106.3 | 89.7 | 116.8 | 95.6 | 108.4 | 118.9 | 131.0 | 149.7 | 194.6 | 191.4 | 322.9 |
| Mozambique                  | 0.8   | 0.0   | 0.3   | 0.7   | 0.2  | 0.5   | 0.2  | 0.0   | 0.0   | 2.4   | 0.0   | 0.1   | 0.3   | 0.4   |
| Namibia                     | 0.5   | 1.2   | 5.9   | 2.3   | 0.6  | 0.4   | 0.7  | 1.0   | 0.3   | 0.1   | 1.9   | 0.1   | 1.8   | 1.8   |
| Niger                       | 2.0   | 0.2   | 0.5   | 0.0   | 0.2  | 0.0   | 1.0  | 0.5   | 0.3   | 0.3   | 0.1   | 1.0   | 0.3   | 0.0   |





| Region, country, or economy | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     | 2014     | 2015     | 2016     |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Nigeria                     | 14.8     | 15.7     | 30.9     | 23.1     | 16.0     | 20.5     | 27.7     | 43.4     | 47.5     | 54.2     | 59.6     | 58.3     | 69.2     | 91.6     |
| Rwanda                      | 0.1      | 0.0      | 0.0      | 0.1      | 0.0      | 0.0      | 1.9      | 2.1      | 0.9      | 1.2      | 1.3      | 0.7      | 0.6      | 0.4      |
| 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      |
| Senegal                     | 4.5      | 1.5      | 6.0      | 2.7      | 4.3      | 7.1      | 3.6      | 6.4      | 9.7      | 2.6      | 9.9      | 8.9      | 7.5      | 6.2      |
| Seychelles                  | 0.0      | 0.0      | 1.2      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.5      | 0.0      | 0.0      | 0.6      | 0.0      |
| Sierra Leone                | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.3      | 0.3      | 0.4      | 0.1      | 0.2      | 0.0      | 0.0      | 0.1      |
| Somalia                     | 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      |
| South Africa                | 138.9    | 191.3    | 214.8    | 240.9    | 259.7    | 324.9    | 327.0    | 319.1    | 387.9    | 443.2    | 401.9    | 529.9    | 543.1    | 556.5    |
| South Sudan                 | 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      |
| Sudan                       | 1.0      | 2.9      | 1.4      | 1.8      | 1.4      | 5.8      | 3.2      | 6.2      | 10.3     | 10.9     | 12.5     | 5.3      | 7.1      | 7.6      |
| Swaziland                   | 0.0      | 0.0      | 0.5      | 0.0      | 0.0      | 0.3      | 1.0      | 1.0      | 1.7      | 0.4      | 0.9      | 0.6      | 0.3      | 0.7      |
| Tanzania                    | 1.9      | 0.0      | 1.2      | 2.3      | 0.0      | 1.8      | 1.8      | 1.0      | 1.0      | 1.7      | 2.0      | 3.8      | 11.7     | 3.7      |
| Togo                        | 0.2      | 0.7      | 0.0      | 1.4      | 0.0      | 0.1      | 0.7      | 0.1      | 0.1      | 0.6      | 0.8      | 0.0      | 0.3      | 3.0      |
| Tunisia                     | 77.6     | 115.2    | 121.5    | 130.3    | 172.6    | 183.1    | 211.5    | 182.7    | 202.2    | 222.5    | 209.8    | 294.7    | 340.8    | 355.5    |
| Uganda                      | 0.0      | 0.3      | 0.0      | 0.0      | 0.5      | 0.3      | 0.1      | 2.2      | 1.4      | 0.4      | 1.4      | 2.0      | 1.9      | 3.0      |
| Western Sahara              | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      |
| Zambia                      | 0.4      | 1.3      | 1.7      | 1.5      | 0.3      | 0.9      | 0.4      | 0.2      | 1.6      | 1.3      | 1.3      | 2.1      | 0.8      | 1.1      |
| Zimbabwe                    | 3.1      | 2.0      | 1.8      | 5.1      | 1.0      | 2.7      | 1.1      | 2.0      | 1.5      | 6.3      | 1.2      | 5.0      | 5.7      | 3.8      |
| Asia                        | 38,646.1 | 41,500.9 | 54,400.6 | 60,647.4 | 64,986.5 | 66,981.9 | 69,681.1 | 72,265.7 | 74,661.2 | 73,441.9 | 77,639.7 | 81,047.5 | 76,598.4 | 78,970.1 |



| Region, country, or economy | 2003     | 2004     | 2005     | 2006     | 2007     | 2008     | 2009     | 2010     | 2011     | 2012     | 2013     | 2014     | 2015     | 2016     |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Afghanistan                 | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.2      | 0.0      | 0.0      | 0.0      | 1.0      | 0.0      | 1.0      |
| Bangladesh                  | 42.8     | 33.0     | 36.2     | 47.4     | 55.2     | 76.0     | 64.5     | 88.1     | 85.1     | 93.9     | 125.6    | 123.2    | 130.8    | 276.3    |
| Bhutan                      | 0.0      | 0.7      | 0.3      | 1.3      | 0.0      | 0.0      | 0.0      | 0.0      | 1.0      | 0.0      | 0.0      | 0.3      | 1.5      | 1.0      |
| Brunei                      | 2.1      | 2.8      | 3.3      | 2.3      | 4.0      | 1.8      | 4.5      | 1.3      | 2.7      | 1.0      | 3.8      | 7.8      | 7.5      | 9.4      |
| Burma                       | 1.3      | 0.0      | 1.0      | 0.9      | 4.2      | 7.3      | 10.2     | 2.1      | 1.1      | 4.5      | 4.1      | 5.1      | 2.6      | 3.5      |
| Cambodia                    | 0.0      | 0.1      | 0.0      | 1.0      | 0.2      | 0.0      | 0.0      | 0.3      | 0.0      | 1.6      | 0.4      | 0.3      | 0.5      | 0.8      |
| China                       | 11,397.6 | 14,416.4 | 22,076.7 | 24,332.3 | 27,617.3 | 30,829.4 | 33,998.0 | 33,855.2 | 35,396.5 | 36,081.8 | 39,915.1 | 42,601.6 | 42,323.4 | 41,980.9 |
| India                       | 2,783.1  | 2,862.2  | 3,591.8  | 4,168.1  | 4,569.1  | 5,147.0  | 5,287.0  | 6,166.2  | 7,320.4  | 7,073.9  | 8,051.2  | 9,315.1  | 7,674.8  | 9,916.1  |
| Indonesia                   | 20.6     | 21.4     | 30.2     | 31.1     | 36.3     | 60.2     | 59.9     | 185.3    | 161.0    | 127.2    | 321.2    | 391.4    | 567.7    | 1,624.0  |
| Japan                       | 16,257.0 | 15,284.4 | 17,982.2 | 18,754.9 | 18,291.4 | 17,197.9 | 16,311.0 | 16,826.0 | 16,625.2 | 15,645.1 | 15,080.0 | 14,537.6 | 12,259.3 | 12,002.2 |
| Kazakhstan                  | 39.0     | 30.1     | 55.9     | 43.5     | 43.0     | 43.4     | 68.0     | 40.0     | 92.5     | 103.2    | 104.2    | 159.2    | 210.2    | 272.4    |
| Kyrgyzstan                  | 9.2      | 6.9      | 19.0     | 12.0     | 11.8     | 19.0     | 5.6      | 6.5      | 4.8      | 7.4      | 4.7      | 5.9      | 6.9      | 8.6      |
| Laos                        | 0.0      | 0.0      | 0.3      | 0.0      | 0.6      | 0.9      | 0.0      | 0.5      | 0.0      | 0.7      | 0.7      | 0.5      | 0.3      | 0.2      |
| Malaysia                    | 75.8     | 114.3    | 142.3    | 318.6    | 313.6    | 474.8    | 626.9    | 960.7    | 764.4    | 1,361.3  | 1,443.5  | 1,421.9  | 1,623.2  | 1,797.4  |
| Maldives                    | 0.4      | 0.1      | 0.0      | 0.0      | 0.0      | 0.1      | 0.0      | 0.7      | 0.1      | 1.0      | 0.0      | 0.2      | 0.0      | 0.0      |
| Mongolia                    | 3.9      | 2.6      | 5.3      | 10.7     | 3.8      | 2.6      | 25.5     | 14.2     | 22.0     | 20.8     | 10.6     | 17.5     | 17.6     | 6.8      |
| Nepal                       | 3.1      | 2.8      | 7.0      | 3.0      | 1.8      | 3.3      | 1.3      | 4.6      | 8.6      | 7.4      | 8.0      | 14.1     | 10.5     | 12.4     |
| North Korea                 | 0.3      | 1.0      | 3.8      | 4.7      | 1.7      | 1.3      | 2.3      | 3.1      | 1.7      | 3.6      | 5.2      | 3.9      | 12.9     | 9.3      |
| Pakistan                    | 70.4     | 70.4     | 123.5    | 165.1    | 241.2    | 299.8    | 285.7    | 328.9    | 389.4    | 407.8    | 494.6    | 532.7    | 598.5    | 725.1    |





| Region, country, or economy | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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   |
| New Zealand                 | 156.8 | 209.0 | 243.0 | 285.2 | 252.4 | 257.9 | 279.6 | 281.4 | 325.5 | 263.3 | 289.5 | 284.2 | 219.5 | 258.1 |
| 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   |
| 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   |
| 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   |
| Solomon Islands             | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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   |
| 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   |
| 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   |
| Unassigned                  | 319.6 | 273.8 | 330.8 | 351.7 | 422.2 | 314.9 | 175.3 | 168.1 | 132.6 | 154.3 | 479.5 | 132.6 | 131.7 | 278.4 |

na = not applicable; country data do not exist.

EU = European Union.

<sup>a</sup> Beginning in 2006, Serbia and Montenegro represented individual countries.

<sup>b</sup> Serbia and Montenegro represented a single country for data purposes from 1992 to 2006.

**Note(s)**

Article counts refer to publications from a selection of journals, books, 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) listed in the article. Articles are credited on a fractional-count basis. The sum of the regions, countries, or economies may not add to the world total because of rounding. Some publications have incomplete address information for coauthored publications in the Scopus database. The unassigned category count is the sum of fractional counts for publications that cannot be assigned to a region, country, or economy.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics; SRI International; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed July 2017.



*Science and Engineering Indicators 2018*