

Table SPBS-29

S&E articles in physics, whole count, by region, country, or economy: 1996–2020

(Number)

| Region, country, or economy | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| World | 113,182 | 115,715 | 118,503 | 122,128 | 126,627 | 132,199 | 138,992 | 145,461 | 148,617 | 173,620 | 186,011 | 187,911 | 189,996 | 195,509 | 198,746 | 210,876 | 204,702 | 210,977 | 215,050 | 216,268 | 215,781 | 234,196 | 241,569 | 265,298 | 261,036 |
| North America | 34,036 | 33,570 | 34,200 | 35,306 | 35,914 | 37,437 | 38,656 | 42,014 | 41,053 | 50,442 | 52,114 | 50,720 | 48,355 | 49,641 | 48,920 | 52,506 | 50,523 | 50,081 | 48,595 | 48,025 | 46,183 | 48,449 | 45,995 | 46,882 | 44,943 |
| Canada | 3,345 | 3,233 | 3,155 | 2,930 | 3,388 | 3,318 | 3,810 | 4,075 | 4,199 | 5,048 | 5,287 | 5,519 | 5,464 | 5,785 | 5,417 | 6,160 | 5,892 | 5,910 | 5,755 | 5,616 | 5,468 | 5,597 | 5,590 | 5,874 | 5,863 |
| Greenland | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Mexico | 767 | 820 | 987 | 1,109 | 1,133 | 1,258 | 1,285 | 1,400 | 1,342 | 1,759 | 1,943 | 1,867 | 1,916 | 1,762 | 1,824 | 2,012 | 2,079 | 2,033 | 2,040 | 2,172 | 2,256 | 2,464 | 2,469 | 2,724 | 2,738 |
| United States | 30,790 | 30,399 | 30,953 | 32,132 | 32,426 | 33,922 | 34,702 | 37,816 | 36,780 | 45,207 | 46,424 | 44,974 | 42,600 | 43,771 | 43,246 | 46,153 | 44,539 | 43,906 | 42,635 | 41,966 | 40,245 | 42,205 | 39,828 | 40,087 | 38,147 |
| Central America and Caribbean | 173 | 171 | 191 | 187 | 232 | 236 | 246 | 252 | 228 | 316 | 335 | 295 | 354 | 283 | 322 | 423 | 375 | 353 | 365 | 336 | 392 | 412 | 472 | 458 | 390 |
| Antigua and Barbuda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Bahamas, The | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 10 | 11 |
| Barbados | 2 | 6 | 3 | 3 | 4 | 10 | 5 | 14 | 8 | 8 | 4 | 2 | 5 | 4 | 9 | 13 | 14 | 8 | 4 | 10 | 5 | 3 | 5 | 1 | 2 |
| Belize | 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 |
| Costa Rica | 7 | 15 | 15 | 11 | 7 | 8 | 12 | 6 | 8 | 17 | 14 | 10 | 20 | 11 | 16 | 21 | 22 | 16 | 32 | 34 | 37 | 39 | 41 | 33 | 32 |
| Cuba | 65 | 62 | 80 | 90 | 121 | 105 | 106 | 124 | 98 | 139 | 139 | 124 | 135 | 102 | 105 | 164 | 117 | 137 | 159 | 113 | 152 | 139 | 137 | 157 | 123 |
| Dominica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| Dominican Republic | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 2 | 0 | 0 | 0 | 1 | 5 | 5 | 12 | 12 |
| El Salvador | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 |
| Grenada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| Guatemala | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 2 | 5 | 3 | 6 | 3 |
| Haiti | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Honduras | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 26 | 8 | 20 |
| Jamaica | 5 | 8 | 4 | 2 | 2 | 3 | 1 | 4 | 2 | 1 | 4 | 5 | 2 | 6 | 7 | 5 | 3 | 3 | 3 | 7 | 9 | 6 | 8 | 7 | 10 |
| Nicaragua | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| Panama | 0 | 1 | 1 | 3 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 1 | 4 | 4 | 6 | 3 | 1 | 2 | 7 | 6 | 6 | 4 | 9 | 24 | 14 |
| Puerto Rico | 89 | 74 | 85 | 76 | 89 | 101 | 122 | 94 | 101 | 145 | 162 | 146 | 185 | 148 | 164 | 198 | 207 | 178 | 154 | 156 | 175 | 199 | 221 | 193 | 155 |
| Saint 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 | 1 | 0 | 1 |
| Saint 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 |
| 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 | 1 | 0 | 0 |
| Trinidad and Tobago | 6 | 3 | 2 | 2 | 8 | 5 | 2 | 5 | 7 | 3 | 6 | 4 | 1 | 5 | 7 | 12 | 8 | 8 | 7 | 9 | 6 | 6 | 9 | 7 | 6 |
| South America | 2,376 | 2,894 | 3,049 | 3,331 | 3,555 | 3,940 | 4,460 | 4,156 | 4,713 | 4,738 | 4,913 | 5,255 | 5,225 | 5,283 | 5,681 | 5,645 | 6,057 | 6,278 | 6,502 | 6,885 | 7,124 | 7,106 | 7,576 | 8,073 | 8,017 |
| Argentina | 684 | 770 | 746 | 790 | 866 | 882 | 976 | 872 | 921 | 897 | 888 | 1,118 | 1,004 | 1,170 | 1,063 | 1,238 | 1,163 | 1,110 | 1,130 | 1,166 | 1,097 | 1,090 | 1,076 | 1,041 | 1,000 |
| Bolivia | 2 | 3 | 1 | 3 | 1 | 3 | 2 | 7 | 5 | 13 | 5 | 13 | 10 | 12 | 10 | 6 | 1 | 6 | 7 | 4 | 11 | 11 | 9 | 6 | 11 |
| Brazil | 1,436 | 1,778 | 1,939 | 2,173 | 2,238 | 2,651 | 2,970 | 2,727 | 3,297 | 3,280 | 3,360 | 3,442 | 3,414 | 3,297 | 3,754 | 3,625 | 3,998 | 4,228 | 4,293 | 4,497 | 4,654 | 4,485 | 4,818 | 4,858 | 4,955 |
| Chile | 115 | 160 | 180 | 182 | 180 | 209 | 293 | 225 | 297 | 317 | 407 | 424 | 464 | 482 | 530 | 590 | 787 | 663 | 769 | 877 | 1,010 | 975 | 1,136 | 1,051 | 1,224 |
| Colombia | 75 | 103 | 117 | 100 | 190 | 124 | 141 | 145 | 142 | 191 | 250 | 253 | 408 | 352 | 411 | 498 | 611 | 652 | 703 | 802 | 952 | 1,001 | 1,099 | 1,537 | 1,215 |
| Ecuador | 4 | 4 | 9 | 16 | 20 | 27 | 26 | 12 | 14 | 42 | 35 | 37 | 55 | 53 | 40 | 48 | 57 | 44 | 48 | 77 | 97 | 243 | 269 | 271 | 254 |
| Guyana | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |

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S&E articles in physics, whole count, by region, country, or economy: 1996–2020

(Number)

| Region, country, or economy | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Paraguay | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 4 | 1 | 6 | 6 | 9 | 3 | 9 | 10 |
| Peru | 10 | 15 | 5 | 9 | 22 | 19 | 17 | 27 | 21 | 21 | 20 | 55 | 16 | 42 | 50 | 42 | 60 | 71 | 79 | 62 | 98 | 98 | 158 | 166 | 172 |
| Suriname | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 |
| Uruguay | 36 | 24 | 47 | 44 | 44 | 51 | 52 | 66 | 68 | 61 | 48 | 70 | 56 | 68 | 72 | 73 | 54 | 71 | 65 | 92 | 87 | 87 | 94 | 114 | 84 |
| Venezuela | 118 | 137 | 145 | 156 | 171 | 182 | 185 | 224 | 145 | 170 | 184 | 155 | 165 | 168 | 152 | 113 | 138 | 98 | 120 | 133 | 120 | 126 | 100 | 101 | 91 |
| Europe | 57,650 | 59,008 | 60,809 | 61,739 | 64,865 | 65,665 | 68,880 | 71,044 | 72,049 | 79,667 | 81,725 | 83,792 | 85,493 | 88,547 | 87,609 | 93,168 | 89,499 | 90,401 | 92,040 | 92,055 | 91,535 | 95,757 | 94,822 | 102,582 | 97,313 |
| EU-27 and UK ^a | 44,402 | 45,341 | 46,735 | 48,418 | 51,313 | 51,194 | 55,324 | 56,765 | 57,903 | 65,051 | 67,859 | 69,521 | 70,337 | 73,288 | 72,379 | 76,621 | 73,249 | 74,157 | 74,263 | 72,876 | 70,509 | 72,832 | 69,281 | 74,185 | 70,030 |
| UK | 7,876 | 7,845 | 7,948 | 8,334 | 8,900 | 8,382 | 9,024 | 9,434 | 9,548 | 11,026 | 11,685 | 12,000 | 12,069 | 12,613 | 12,258 | 12,904 | 12,445 | 12,506 | 13,246 | 12,936 | 12,745 | 13,484 | 12,894 | 13,368 | 12,367 |
| EU-27 ^b | 38,459 | 39,500 | 40,919 | 42,388 | 44,980 | 45,284 | 48,979 | 50,366 | 51,554 | 57,704 | 59,906 | 61,574 | 62,423 | 65,241 | 64,446 | 68,522 | 65,385 | 66,498 | 66,043 | 64,936 | 62,700 | 64,603 | 61,295 | 65,983 | 62,484 |
| Austria | 1,023 | 955 | 1,048 | 1,122 | 1,199 | 1,197 | 1,335 | 1,433 | 1,405 | 1,660 | 1,636 | 1,791 | 1,794 | 1,854 | 1,988 | 2,305 | 2,184 | 2,234 | 2,235 | 2,177 | 2,190 | 2,361 | 2,298 | 2,460 | 2,283 |
| Belgium | 1,559 | 1,493 | 1,595 | 1,737 | 1,857 | 1,812 | 2,144 | 2,360 | 2,425 | 2,711 | 2,716 | 2,816 | 2,893 | 2,905 | 2,908 | 3,093 | 2,951 | 2,926 | 3,008 | 2,997 | 2,873 | 2,837 | 2,837 | 2,807 | 2,601 |
| Bulgaria | 469 | 479 | 480 | 515 | 543 | 442 | 504 | 543 | 621 | 555 | 605 | 789 | 707 | 735 | 888 | 683 | 756 | 687 | 705 | 615 | 776 | 843 | 795 | 1,066 | 682 |
| Croatia | 178 | 172 | 182 | 223 | 214 | 225 | 247 | 292 | 296 | 326 | 310 | 343 | 325 | 386 | 376 | 441 | 506 | 478 | 475 | 431 | 485 | 514 | 525 | 587 | 587 |
| Cyprus | 30 | 46 | 55 | 45 | 46 | 26 | 51 | 40 | 54 | 67 | 86 | 103 | 135 | 145 | 193 | 244 | 242 | 228 | 190 | 195 | 220 | 247 | 296 | 276 | 260 |
| Czechia | 772 | 779 | 843 | 980 | 1,070 | 1,054 | 1,155 | 1,128 | 1,377 | 1,455 | 1,737 | 1,683 | 1,840 | 1,936 | 1,983 | 2,292 | 2,297 | 2,251 | 2,462 | 2,620 | 2,608 | 2,970 | 2,832 | 3,022 | 2,957 |
| Denmark | 990 | 1,048 | 1,085 | 1,019 | 1,116 | 1,076 | 1,059 | 1,119 | 1,067 | 1,285 | 1,219 | 1,299 | 1,353 | 1,379 | 1,499 | 1,795 | 1,784 | 1,750 | 1,801 | 1,781 | 1,803 | 1,874 | 1,860 | 1,905 | 1,779 |
| Estonia | 115 | 111 | 120 | 109 | 126 | 127 | 113 | 121 | 128 | 152 | 143 | 186 | 197 | 181 | 253 | 259 | 269 | 340 | 344 | 334 | 314 | 360 | 400 | 381 | 351 |
| Finland | 717 | 753 | 820 | 866 | 970 | 962 | 1,014 | 1,175 | 1,151 | 1,285 | 1,440 | 1,446 | 1,496 | 1,617 | 1,569 | 1,735 | 1,619 | 1,850 | 1,784 | 1,727 | 1,692 | 1,712 | 1,595 | 1,805 | 1,547 |
| France | 8,500 | 9,044 | 9,114 | 9,487 | 10,230 | 10,161 | 10,808 | 11,007 | 11,452 | 12,782 | 13,438 | 13,572 | 13,965 | 14,637 | 13,974 | 15,206 | 14,157 | 14,734 | 14,150 | 14,146 | 13,512 | 13,826 | 12,585 | 12,933 | 11,884 |
| Germany | 12,826 | 13,162 | 14,090 | 14,088 | 14,433 | 14,734 | 16,006 | 16,391 | 16,095 | 18,631 | 18,471 | 19,123 | 18,770 | 20,517 | 20,300 | 21,803 | 21,072 | 21,420 | 20,870 | 20,320 | 19,752 | 20,305 | 18,953 | 19,992 | 17,600 |
| Greece | 637 | 701 | 787 | 852 | 893 | 961 | 999 | 969 | 1,057 | 1,253 | 1,457 | 1,590 | 1,522 | 1,594 | 1,503 | 1,610 | 1,577 | 1,514 | 1,472 | 1,457 | 1,468 | 1,449 | 1,451 | 1,585 | 1,504 |
| Hungary | 720 | 767 | 838 | 823 | 991 | 947 | 981 | 1,084 | 1,046 | 1,144 | 1,049 | 1,090 | 1,169 | 1,103 | 1,074 | 1,208 | 1,321 | 1,182 | 1,359 | 1,302 | 1,275 | 1,311 | 1,280 | 1,405 | 1,336 |
| Ireland | 232 | 250 | 271 | 331 | 354 | 345 | 400 | 444 | 540 | 754 | 752 | 827 | 830 | 986 | 1,028 | 1,127 | 1,019 | 1,025 | 974 | 895 | 876 | 990 | 950 | 970 | 942 |
| Italy | 5,200 | 5,384 | 5,422 | 6,023 | 6,526 | 6,381 | 7,096 | 7,655 | 8,279 | 8,841 | 9,331 | 9,690 | 9,667 | 9,855 | 9,576 | 9,966 | 9,788 | 10,027 | 10,389 | 9,968 | 9,988 | 10,012 | 9,941 | 10,902 | 11,144 |
| Latvia | 127 | 122 | 134 | 139 | 131 | 144 | 134 | 119 | 138 | 177 | 128 | 180 | 171 | 192 | 171 | 231 | 202 | 183 | 163 | 226 | 246 | 316 | 308 | 267 | 319 |
| Lithuania | 151 | 158 | 150 | 175 | 152 | 165 | 186 | 197 | 276 | 356 | 446 | 304 | 429 | 445 | 457 | 479 | 436 | 490 | 492 | 537 | 426 | 511 | 526 | 614 | 550 |
| Luxembourg | 3 | 2 | 1 | 1 | 5 | 2 | 5 | 7 | 15 | 15 | 12 | 15 | 40 | 50 | 61 | 100 | 91 | 123 | 130 | 127 | 141 | 131 | 153 | 164 | 162 |
| Malta | 3 | 0 | 1 | 0 | 3 | 3 | 3 | 2 | 3 | 14 | 5 | 5 | 12 | 11 | 9 | 15 | 19 | 27 | 30 | 21 | 30 | 39 | 34 | 57 | 64 |
| Netherlands | 2,359 | 2,239 | 2,369 | 2,283 | 2,458 | 2,530 | 2,842 | 2,889 | 3,134 | 3,409 | 3,336 | 3,231 | 3,236 | 3,499 | 3,418 | 3,884 | 3,698 | 3,602 | 3,461 | 3,472 | 3,358 | 3,488 | 3,279 | 3,321 | 3,409 |
| Poland | 2,788 | 2,636 | 2,820 | 3,147 | 3,471 | 3,413 | 3,708 | 4,183 | 4,267 | 4,413 | 4,591 | 4,587 | 4,738 | 4,687 | 4,520 | 4,733 | 4,788 | 5,351 | 5,316 | 5,805 | 5,455 | 5,428 | 5,718 | 5,914 | 6,023 |
| Portugal | 421 | 430 | 507 | 663 | 746 | 767 | 842 | 987 | 1,072 | 1,200 | 1,376 | 1,352 | 1,520 | 1,498 | 1,777 | 1,834 | 1,922 | 1,865 | 1,762 | 1,853 | 1,823 | 1,904 | 1,920 | 1,987 | 2,020 |
| Romania | 635 | 630 | 644 | 776 | 826 | 783 | 759 | 855 | 883 | 991 | 1,055 | 1,263 | 1,516 | 1,646 | 1,629 | 1,676 | 1,873 | 1,761 | 1,591 | 1,771 | 1,687 | 1,785 | 1,612 | 1,833 | 1,854 |
| Slovakia | 390 | 393 | 438 | 395 | 467 | 383 | 515 | 469 | 597 | 473 | 616 | 574 | 676 | 641 | 749 | 653 | 873 | 701 | 932 | 786 | 809 | 1,051 | 914 | 977 | 1,040 |
| Slovenia | 241 | 264 | 262 | 299 | 375 | 346 | 396 | 522 | 435 | 515 | 538 | 574 | 638 | 624 | 674 | 728 | 777 | 742 | 715 | 676 | 705 | 665 | 710 | 693 | 740 |
| Spain | 2,850 | 3,051 | 3,222 | 3,458 | 3,547 | 3,735 | 4,142 | 4,330 | 4,594 | 5,394 | 5,564 | 6,256 | 6,128 | 7,018 | 6,814 | 7,756 | 7,488 | 7,378 | 7,007 | 6,898 | 6,748 | 6,967 | 6,810 | 7,362 | 7,283 |

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|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Sweden | 1,826 | 2,020 | 2,008 | 2,203 | 2,335 | 2,492 | 2,638 | 2,620 | 2,629 | 2,880 | 2,891 | 2,836 | 2,739 | 2,826 | 2,914 | 3,168 | 3,263 | 3,193 | 3,295 | 3,326 | 3,259 | 3,273 | 3,043 | 3,163 | 3,063 |
| Other Europe | 17,421 | 18,085 | 18,814 | 18,447 | 19,008 | 19,924 | 19,562 | 20,725 | 20,574 | 21,680 | 20,816 | 21,577 | 22,286 | 22,622 | 22,437 | 24,282 | 23,928 | 24,185 | 25,748 | 27,460 | 29,376 | 31,714 | 33,960 | 37,208 | 35,688 |
| Other Europe, 2020 ^b | 24,685 | 25,282 | 26,098 | 25,984 | 27,041 | 27,503 | 27,728 | 29,262 | 29,099 | 31,569 | 31,390 | 32,354 | 33,148 | 33,953 | 33,428 | 35,775 | 34,785 | 35,123 | 37,336 | 38,751 | 40,407 | 43,375 | 45,088 | 48,754 | 46,353 |
| Albania | 9 | 5 | 4 | 1 | 1 | 1 | 4 | 1 | 4 | 5 | 4 | 17 | 4 | 8 | 33 | 4 | 6 | 8 | 2 | 9 | 20 | 5 | 3 | 46 | 16 |
| Andorra | 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 |
| Belarus | 532 | 561 | 542 | 480 | 526 | 534 | 484 | 662 | 535 | 726 | 539 | 653 | 540 | 613 | 573 | 746 | 742 | 721 | 725 | 725 | 761 | 803 | 847 | 866 | 773 |
| Bosnia and Herzegovina | 5 | 7 | 10 | 8 | 12 | 10 | 10 | 17 | 4 | 14 | 14 | 17 | 22 | 23 | 24 | 17 | 21 | 28 | 26 | 47 | 40 | 52 | 51 | 49 | 57 |
| Holy See (Vatican City) | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| Iceland | 21 | 10 | 25 | 27 | 21 | 23 | 26 | 24 | 19 | 30 | 41 | 32 | 51 | 65 | 83 | 82 | 102 | 98 | 85 | 106 | 107 | 109 | 100 | 111 | 105 |
| Kosovo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 9 | 3 | 2 | 6 | 7 | 7 | 11 | 14 | 18 | 25 | 26 |
| Liechtenstein | 6 | 16 | 2 | 10 | 15 | 3 | 4 | 11 | 10 | 14 | 15 | 17 | 13 | 10 | 17 | 13 | 21 | 20 | 25 | 10 | 17 | 13 | 20 | 12 | 7 |
| Moldova | 108 | 111 | 102 | 100 | 102 | 81 | 97 | 112 | 71 | 119 | 117 | 100 | 95 | 115 | 96 | 122 | 123 | 115 | 91 | 95 | 100 | 114 | 110 | 79 | 91 |
| Monaco | 1 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 3 | 1 | 4 | 2 | 1 | 3 | 4 | 8 | 10 | 24 | 16 |
| Montenegro ^c | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 18 | 24 | 32 | 21 | 15 | 18 | 17 | 7 | 21 | 12 | 18 | 45 | 101 |
| North Macedonia | 15 | 19 | 12 | 19 | 28 | 15 | 25 | 28 | 35 | 27 | 30 | 36 | 43 | 37 | 52 | 42 | 42 | 44 | 29 | 42 | 50 | 53 | 47 | 56 | 51 |
| Norway | 426 | 458 | 382 | 417 | 416 | 417 | 427 | 461 | 568 | 657 | 729 | 732 | 848 | 793 | 849 | 1,042 | 1,081 | 1,016 | 1,094 | 953 | 1,113 | 1,147 | 1,180 | 1,278 | 1,222 |
| Russia | 11,762 | 12,256 | 12,702 | 12,359 | 12,688 | 13,558 | 12,932 | 13,547 | 13,353 | 13,436 | 12,191 | 12,293 | 12,812 | 12,979 | 12,364 | 13,559 | 12,965 | 13,288 | 14,425 | 16,416 | 18,031 | 19,949 | 22,188 | 24,843 | 24,506 |
| San Marino | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 1 |
| Serbia ^c | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 536 | 487 | 502 | 547 | 607 | 801 | 659 | 646 | 656 | 686 | 686 | 744 | 791 | 619 |
| Serbia and Montenegro ^d | 179 | 216 | 270 | 194 | 204 | 171 | 249 | 244 | 246 | 328 | 373 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Switzerland | 2,569 | 2,602 | 2,762 | 2,895 | 3,026 | 2,822 | 3,027 | 3,290 | 3,423 | 3,905 | 4,283 | 4,263 | 4,413 | 4,479 | 4,852 | 5,230 | 5,336 | 5,407 | 5,331 | 5,357 | 5,340 | 5,199 | 5,047 | 5,141 | 4,585 |
| Turkey | 374 | 426 | 498 | 597 | 591 | 649 | 821 | 1,016 | 1,076 | 1,151 | 1,303 | 1,742 | 1,539 | 1,636 | 1,693 | 1,912 | 2,336 | 2,264 | 2,577 | 2,821 | 3,156 | 3,402 | 3,550 | 3,778 | 3,548 |
| Ukraine | 1,914 | 1,928 | 2,042 | 1,973 | 2,045 | 2,256 | 2,175 | 2,138 | 2,146 | 2,301 | 2,263 | 2,274 | 2,560 | 2,557 | 2,530 | 2,700 | 2,790 | 2,762 | 2,948 | 2,698 | 2,586 | 2,855 | 2,969 | 2,998 | 2,606 |
| Middle East | 2,308 | 2,372 | 2,570 | 2,506 | 2,719 | 2,848 | 3,064 | 3,421 | 3,422 | 3,721 | 4,176 | 4,505 | 4,923 | 5,216 | 5,714 | 6,849 | 7,464 | 8,062 | 8,705 | 9,895 | 10,559 | 11,970 | 12,738 | 14,389 | 15,556 |
| Armenia | 147 | 154 | 156 | 158 | 199 | 230 | 206 | 260 | 248 | 279 | 234 | 262 | 251 | 299 | 357 | 429 | 570 | 467 | 516 | 517 | 553 | 535 | 552 | 522 | 429 |
| Azerbaijan | 118 | 89 | 82 | 79 | 65 | 71 | 83 | 118 | 103 | 105 | 107 | 105 | 126 | 128 | 142 | 211 | 258 | 195 | 206 | 275 | 284 | 316 | 366 | 418 | 413 |
| Bahrain | 11 | 15 | 1 | 7 | 12 | 5 | 7 | 13 | 21 | 14 | 19 | 26 | 18 | 18 | 29 | 28 | 25 | 33 | 33 | 30 | 33 | 36 | 46 | 68 | 54 |
| Gaza Strip ^e | 6 | 1 | 3 | 6 | 6 | 7 | 12 | 12 | 18 | 18 | 19 | 28 | 19 | 19 | 17 | 24 | 31 | 31 | 28 | 25 | 20 | 15 | 20 | 21 | 31 |
| Georgia | 102 | 108 | 124 | 118 | 117 | 95 | 104 | 124 | 125 | 123 | 148 | 141 | 144 | 135 | 156 | 249 | 330 | 266 | 251 | 300 | 311 | 327 | 340 | 325 | 298 |
| Iran | 90 | 113 | 146 | 149 | 180 | 207 | 348 | 428 | 559 | 695 | 990 | 1,152 | 1,606 | 1,831 | 2,103 | 2,601 | 2,953 | 3,371 | 3,605 | 4,224 | 4,899 | 5,498 | 5,629 | 5,759 | 5,840 |
| Iraq | 9 | 6 | 8 | 5 | 2 | 13 | 14 | 14 | 7 | 19 | 29 | 36 | 28 | 43 | 47 | 67 | 134 | 181 | 167 | 212 | 306 | 469 | 788 | 1,519 | 1,787 |
| Israel | 1,609 | 1,648 | 1,776 | 1,731 | 1,851 | 1,882 | 1,946 | 2,078 | 1,958 | 2,002 | 2,128 | 2,196 | 2,131 | 2,031 | 2,048 | 2,295 | 2,237 | 2,095 | 2,031 | 2,224 | 2,060 | 2,301 | 2,245 | 2,266 | 2,242 |
| Jordan | 40 | 46 | 50 | 39 | 55 | 48 | 80 | 75 | 80 | 103 | 87 | 98 | 117 | 123 | 160 | 173 | 197 | 141 | 145 | 138 | 156 | 149 | 230 | 270 | 333 |
| Kuwait | 28 | 33 | 38 | 28 | 27 | 30 | 26 | 25 | 28 | 20 | 42 | 35 | 42 | 50 | 32 | 28 | 36 | 46 | 54 | 55 | 65 | 78 | 106 | 162 | 137 |
| Lebanon | 11 | 11 | 18 | 21 | 37 | 55 | 33 | 20 | 41 | 47 | 57 | 74 | 61 | 66 | 62 | 71 | 83 | 68 | 118 | 100 | 119 | 145 | 101 | 153 | 200 |

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S&E articles in physics, whole count, by region, country, or economy: 1996–2020

(Number)

| Region, country, or economy | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Oman | 8 | 12 | 10 | 27 | 14 | 21 | 28 | 33 | 33 | 37 | 41 | 31 | 48 | 36 | 66 | 56 | 49 | 59 | 71 | 90 | 89 | 108 | 118 | 158 | 148 |
| Qatar | 10 | 4 | 3 | 3 | 2 | 5 | 6 | 10 | 14 | 20 | 14 | 35 | 41 | 35 | 37 | 53 | 62 | 119 | 193 | 276 | 372 | 389 | 407 | 354 | 371 |
| Saudi Arabia | 99 | 114 | 120 | 92 | 99 | 136 | 125 | 167 | 139 | 172 | 183 | 212 | 220 | 292 | 446 | 749 | 940 | 1,288 | 1,629 | 1,926 | 1,952 | 2,103 | 2,531 | 3,001 | 3,753 |
| Syria | 10 | 15 | 17 | 15 | 23 | 20 | 19 | 13 | 23 | 35 | 28 | 30 | 22 | 38 | 44 | 48 | 50 | 40 | 45 | 45 | 39 | 34 | 34 | 40 | 46 |
| United Arab Emirates | 18 | 12 | 18 | 24 | 29 | 33 | 39 | 45 | 42 | 52 | 59 | 67 | 71 | 107 | 104 | 102 | 163 | 138 | 206 | 265 | 266 | 337 | 435 | 607 | 662 |
| West Bank ^e | 5 | 7 | 14 | 6 | 16 | 10 | 7 | 11 | 6 | 6 | 8 | 10 | 27 | 13 | 30 | 25 | 23 | 44 | 43 | 42 | 39 | 126 | 89 | 93 | 86 |
| Yemen | 2 | 2 | 0 | 6 | 3 | 2 | 1 | 1 | 6 | 3 | 14 | 17 | 12 | 10 | 16 | 18 | 18 | 39 | 38 | 32 | 29 | 57 | 69 | 92 | 127 |
| Africa | 1,048 | 1,029 | 1,110 | 1,197 | 1,310 | 1,334 | 1,404 | 1,536 | 1,714 | 1,789 | 1,916 | 2,114 | 2,407 | 2,661 | 2,567 | 2,939 | 3,291 | 3,491 | 4,106 | 4,674 | 5,097 | 5,616 | 6,136 | 7,258 | 7,461 |
| Algeria | 101 | 110 | 120 | 122 | 155 | 166 | 183 | 218 | 257 | 265 | 345 | 428 | 541 | 569 | 539 | 504 | 607 | 633 | 719 | 777 | 912 | 1,020 | 1,028 | 1,103 | 1,062 |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
| Benin | 4 | 6 | 5 | 9 | 8 | 3 | 7 | 5 | 8 | 6 | 5 | 22 | 12 | 13 | 13 | 13 | 13 | 22 | 27 | 26 | 25 | 21 | 30 | 36 | 40 |
| Botswana | 4 | 6 | 3 | 5 | 10 | 7 | 11 | 12 | 8 | 2 | 6 | 6 | 15 | 4 | 5 | 4 | 7 | 5 | 7 | 7 | 22 | 33 | 44 | 32 | 43 |
| Burkina Faso | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 2 | 4 | 4 | 3 | 4 | 3 | 8 | 2 | 5 | 7 | 6 | 6 | 6 | 5 | 4 | 7 | 6 | 9 |
| Burundi | 2 | 3 | 2 | 3 | 0 | 2 | 3 | 5 | 3 | 0 | 2 | 4 | 1 | 3 | 3 | 0 | 1 | 4 | 2 | 1 | 1 | 5 | 2 | 3 | 6 |
| Cabo Verde | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 2 | 0 |
| Cameroon | 10 | 12 | 11 | 10 | 16 | 6 | 22 | 38 | 46 | 61 | 71 | 56 | 68 | 67 | 52 | 62 | 69 | 71 | 90 | 91 | 109 | 157 | 170 | 164 | 247 |
| Central African Republic | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 1 | 5 |
| Chad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 2 | 2 | 6 |
| Comoros | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 |
| Congo, Democratic Republic of the | 1 | 1 | 1 | 1 | 0 | 1 | 3 | 2 | 0 | 1 | 1 | 1 | 0 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 5 | 3 | 4 | 10 | 9 |
| Congo, Republic of the | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 1 | 6 | 2 | 0 | 5 | 4 | 2 | 4 | 4 | 1 | 2 | 3 | 2 | 4 | 5 | 10 |
| Côte d'Ivoire | 2 | 2 | 1 | 1 | 3 | 0 | 2 | 5 | 7 | 3 | 6 | 4 | 5 | 13 | 9 | 9 | 6 | 5 | 4 | 8 | 5 | 4 | 9 | 15 | 11 |
| Djibouti | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 2 | 0 |
| Egypt | 379 | 359 | 343 | 347 | 454 | 467 | 495 | 547 | 538 | 583 | 624 | 684 | 707 | 761 | 739 | 898 | 963 | 1,055 | 1,244 | 1,446 | 1,420 | 1,511 | 1,786 | 2,064 | 2,605 |
| 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 |
| Eritrea | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 |
| Eswatini | 3 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 3 | 0 | 5 | 1 | 1 | 2 | 1 | 6 | 6 | 4 |
| Ethiopia | 4 | 2 | 4 | 8 | 3 | 6 | 3 | 2 | 8 | 10 | 7 | 18 | 17 | 13 | 21 | 35 | 30 | 27 | 31 | 23 | 40 | 52 | 98 | 108 | 143 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 1 | 1 | 5 | 3 | 6 | 3 | 3 | 4 | 6 | 8 | 3 | 6 |
| Gambia, The | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ghana | 7 | 8 | 9 | 3 | 11 | 6 | 4 | 8 | 3 | 7 | 6 | 9 | 3 | 4 | 14 | 23 | 14 | 10 | 13 | 22 | 23 | 29 | 50 | 52 | 73 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guinea-Bissau | 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 |
| Kenya | 4 | 5 | 6 | 4 | 12 | 9 | 8 | 10 | 16 | 4 | 2 | 4 | 4 | 9 | 17 | 7 | 19 | 14 | 23 | 29 | 20 | 32 | 42 | 53 | 69 |
| Lesotho | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 6 | 3 | 7 | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 4 | 2 | 2 | 1 | 3 |

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S&E articles in physics, whole count, by region, country, or economy: 1996–2020

(Number)

| Region, country, or economy | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| Liberia | 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 |
| Libya | 8 | 12 | 6 | 3 | 5 | 4 | 3 | 4 | 11 | 14 | 9 | 4 | 15 | 10 | 11 | 11 | 14 | 32 | 24 | 26 | 17 | 36 | 33 | 38 | 29 |
| Madagascar | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 19 | 4 | 18 | 4 | 2 | 2 | 4 | 1 | 7 | 10 | 6 | 6 | 3 | 16 |
| Malawi | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 2 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 3 |
| Mali | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 1 |
| Mauritania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 2 | 6 |
| Mauritius | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 2 | 3 | 4 | 7 | 6 | 4 | 5 | 12 | 7 | 14 | 7 | 6 | 10 | 7 | 8 |
| Morocco | 136 | 157 | 172 | 229 | 255 | 207 | 219 | 218 | 253 | 192 | 188 | 157 | 198 | 233 | 261 | 346 | 401 | 391 | 426 | 436 | 577 | 601 | 704 | 847 | 889 |
| Mozambique | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 5 | 0 | 0 | 1 | 3 | 3 | 3 | 3 | 4 |
| Namibia | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 2 | 4 | 4 | 8 | 2 | 5 | 4 | 2 | 5 | 0 | 8 | 6 | 8 | 7 | 15 | 19 | 10 | 10 |
| Niger | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 3 | 3 | 7 | 2 | 4 | 2 | 4 | 4 |
| Nigeria | 36 | 20 | 21 | 17 | 18 | 16 | 22 | 16 | 23 | 39 | 31 | 29 | 50 | 46 | 70 | 71 | 89 | 99 | 134 | 157 | 179 | 273 | 360 | 891 | 483 |
| Rwanda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 4 | 0 | 5 | 4 | 4 | 3 | 2 | 3 | 3 | 0 | 3 | 4 | 9 | 16 |
| 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 |
| Senegal | 8 | 5 | 6 | 6 | 5 | 4 | 6 | 9 | 2 | 14 | 3 | 9 | 14 | 18 | 16 | 22 | 7 | 19 | 26 | 18 | 17 | 19 | 25 | 35 | 28 |
| Seychelles | 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 |
| Sierra Leone | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Somalia | 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 |
| South Africa | 261 | 238 | 306 | 321 | 261 | 298 | 277 | 285 | 323 | 404 | 380 | 440 | 528 | 579 | 534 | 729 | 893 | 834 | 1,005 | 1,166 | 1,312 | 1,397 | 1,456 | 1,695 | 1,560 |
| South Sudan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Sudan | 3 | 8 | 3 | 3 | 2 | 3 | 9 | 2 | 10 | 1 | 5 | 3 | 9 | 10 | 9 | 15 | 20 | 30 | 28 | 23 | 33 | 40 | 64 | 77 | 60 |
| Tanzania | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | 0 | 2 | 2 | 0 | 2 | 6 | 2 | 1 | 2 | 8 | 8 | 21 | 17 | 14 | 13 | 18 | 18 |
| Togo | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 3 | 3 | 2 | 3 | 5 | 0 | 5 | 7 | 4 | 11 | 7 | 8 |
| Tunisia | 57 | 76 | 88 | 106 | 89 | 128 | 123 | 142 | 196 | 187 | 235 | 241 | 245 | 322 | 295 | 292 | 320 | 356 | 475 | 607 | 623 | 658 | 608 | 630 | 614 |
| Uganda | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 4 | 1 | 5 | 4 | 5 | 5 | 2 | 7 | 6 | 10 | 19 |
| Zambia | 1 | 0 | 3 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 4 | 4 | 5 | 4 | 7 | 7 | 4 | 6 | 8 | 9 |
| Zimbabwe | 5 | 5 | 7 | 3 | 2 | 1 | 3 | 4 | 4 | 0 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 7 | 10 | 12 | 8 | 9 |
| Asia | 27,777 | 29,868 | 31,075 | 33,058 | 35,111 | 38,571 | 41,326 | 45,211 | 47,928 | 57,743 | 66,118 | 67,160 | 70,156 | 72,155 | 76,708 | 81,438 | 80,886 | 86,476 | 90,699 | 92,082 | 93,630 | 106,828 | 117,435 | 132,217 | 135,123 |
| Afghanistan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 5 | 0 | 1 | 6 | 1 | 6 | 4 |
| Bangladesh | 53 | 43 | 49 | 45 | 54 | 56 | 61 | 83 | 82 | 77 | 90 | 75 | 111 | 109 | 114 | 116 | 118 | 167 | 190 | 196 | 308 | 421 | 418 | 525 | 554 |
| Bhutan | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 1 | 2 | 0 | 2 |
| Brunei | 2 | 2 | 1 | 0 | 1 | 5 | 0 | 6 | 4 | 4 | 2 | 4 | 4 | 5 | 2 | 2 | 0 | 4 | 12 | 20 | 27 | 23 | 44 | 30 | 62 |
| Burma | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 5 | 0 | 3 | 3 | 0 | 9 | 4 | 1 | 2 | 6 | 4 | 2 | 3 | 7 | 3 | 12 | 19 | 13 |
| Cambodia | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 6 | 4 | 7 | 5 | 6 |
| China | 6,225 | 7,014 | 7,637 | 7,510 | 8,815 | 10,373 | 10,941 | 12,595 | 15,650 | 20,424 | 24,124 | 25,635 | 28,803 | 30,629 | 33,304 | 35,228 | 37,649 | 41,602 | 45,072 | 46,920 | 47,328 | 55,236 | 61,210 | 70,220 | 75,048 |
| India | 3,077 | 3,085 | 3,194 | 3,130 | 3,149 | 3,465 | 3,805 | 4,078 | 4,322 | 5,235 | 5,702 | 6,135 | 6,966 | 7,384 | 8,214 | 9,829 | 9,808 | 11,261 | 12,586 | 12,447 | 13,495 | 14,400 | 17,051 | 18,862 | 18,805 |

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S&E articles in physics, whole count, by region, country, or economy: 1996–2020

(Number)

| Region, country, or economy | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------------------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|
| 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 |
| 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 |
| Vanuatu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Unassigned | 1,061 | 810 | 832 | 877 | 838 | 895 | 739 | 929 | 778 | 974 | 1,220 | 1,298 | 1,221 | 605 | 788 | 845 | 571 | 1,480 | 550 | 753 | 1,338 | 2,002 | 1,423 | 2,756 | 1,741 |

EU = European Union; UK = United Kingdom.

^a The UK was a part of the EU for data purposes from 1973 to 2019.^b Beginning in 2020, the UK was no longer a member of the EU.^c Beginning in 2006, Serbia and Montenegro represented individual countries.^d Serbia and Montenegro represented a single country for data purposes from 1992 to 2006.^e West Bank and Gaza Strip are separate entities in this list but are grouped in the World Bank Lending Groups classification list. Here, the economic status of the group is applied to both individual regions.**Note(s):**

Article counts refer to publications from selected journals and conference papers 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 author(s) listed in the article. Articles are credited on a whole count basis. In whole counting, each region, country, or economy with a collaborating author on an article is credited with one count. The sum of the whole count for regions, countries, or economies does not add to the world total because of multiple counts of coauthored publications. Some publications have incomplete address information for coauthored publications in the Scopus database. The Unassigned category count is the sum of whole counts for publications that cannot be assigned to a region, country, or economy.

Source(s):

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

Science and Engineering Indicators