

1,000 Most Cited Physicists, 1981-June 1997

Out of over 500,000 Examined

(see <http://www.sst.nrel.gov>)

Because of practices of “split publications,” “gift publications,” and publications in unrefereed journals / conference proceedings, the raw “total number of publications” of a scientist does not always reflect scientific quality and scientific impact. The number of citations per paper, or the total number of citations per author tend to better measure the scientific impact of one’s research. Since many published papers tend to be cited for a limited period only, the “enduring scientific impact” is measured by the number of citations over an extended time period, e.g. >10 years. The number of citations of a given author over an extended period reflects both the size of the field and the enduring impact made by the author in this field.

The Research Department of the “Institute for Scientific Information” (ISI), the publisher of *Current Contents*® has compiled a list of the ~1,000 Most Cited Physicists. The list is based on papers published between 1981 and June 1997, in all physics journals covered by *Current Contents in Physical, Chemical and Earth Sciences*, and include the following physics disciplines: High-energy and nuclear physics; condensed-matter; applied physics; astronomy astrophysics; plasma physics; chemical physics; material science; atmospheric sciences; earth sciences; optics and polymer science. The total number of unique author names that published at least one paper in physics in 1981 through June 1997 was **517,111**. Out of these, 14,435 physicists were cited 500 times or more, and only 135 physicists were cited 5,000 times or more. There were a total of 783,339 papers published with a total of 6,716,198 citations.

The originator of this research is:

| | | |
|--|--------|-------------------------|
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| Analyst, Research Department | Fax: | 215-387-1266 |
| Institute for Scientific Information, Inc. | Email: | dpendle@isinet.com |
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| Philadelphia, PA 19104 USA | | |

This information, as well as comparable information for chemists, can be found on the web page of the University of Lemans, France. The internet address for this information is as follows:
<http://pcb4122.univ-lemans.fr/1120physiciens.html>

One has to note the limitations of this list:

1. The position in the list does not reflect one’s I.Q. It is just one measure of scientific impact, excellence, etc.
2. The statistics for authors of the same unique name were lumped together. For example: author name “Suzuki, M” could include the statistics for three or four people of the same “Suzuki, M” name. Thus, the citation number for commonly occurring names may be overestimated because of multiple authors with the same name. Of the top 50 listed, we found that this may be the case for P.A. Lee, T. Suzuki, M. Suzuki, S. Tanaka, S. Uchida, K. Tanaka, K. Takahashi, Y. Tanaka and T. Kobayashi.
3. Papers that are “household names” (e.g., Weinberg-Salaam) are often not cited explicitly, thus are not included in these statistics. There are very few of those.
4. The “time slice” of 15 years (1981-1997) emphasizes “older scientists,” e.g. over 40.
5. “Self-citation” can add up, but has negligible effect on the top rated scientists that have many more citations than publications.

For the top 50 cited physicists we also include affiliation (U = University, I = Industry, NL = National Laboratory), country, and field of research (T = Theory, E = Experimental).

| Author name | Institute | Country | Field | avg. cites | total art. | total cites | rank by total cit. | |
|--------------------|------------------|--------------------|--------------|-----------------------|-------------------|--------------------|---------------------------|----|
| Witten | E | Princeton (U) | USA, NJ | High-energy (T) | 168 | 138 | 23235 | 1 |
| Gossard | AC | UCSB (U) | USA, CA | Semiconductors (E) | 41 | 419 | 16994 | 2 |
| Cava | RJ | Bell Labs (I) | USA, NJ | Superconductors (E) | 65 | 223 | 14405 | 3 |
| Batlogg | B | Bell Labs (I) | USA, NJ | Superconductors (E) | 83 | 170 | 14164 | 4 |
| Ploog | K | Max-Planck (NL) | Germany | Semiconductors (E) | 19 | 712 | 13491 | 5 |
| Ellis | J | Euro Nuclear Cent. | Switzerland | Astrophysics (E) | 40 | 305 | 12255 | 6 |
| Fisk | Z | Florida State (U) | USA, FL | Solid State (E) | 23 | 520 | 12030 | 7 |
| Cardona | M | Max Planck (NL) | Germany | Semiconductors (E) | 20 | 571 | 11465 | 8 |
| Nanopoulos | DV | Texas A&M (U) | USA, TX | High-energy (E) | 39 | 293 | 11314 | 9 |
| Heeger | AJ | UCSB (U) | USA, CA | Polymers (E) | 34 | 320 | 10872 | 10 |
| Lee* | PA | | | | 73 | 146 | 10642 | 11 |
| Suzuki* | T | | | | 7.6 | 1401 | 10617 | 12 |
| Anderson | PW | Princeton (U) | USA, NJ | Solid State (T) | 80 | 138 | 10439 | 13 |
| Suzuki* | M | | | | 12 | 898 | 10417 | 14 |
| Freeman | AJ | Northwestern (U) | USA, IL | Solid State (T) | 27 | 389 | 10411 | 15 |
| Tanaka* | S | | | | 11 | 963 | 10404 | 16 |
| Muller | KA | Zurich Univ. (U) | Switzerland | Superconductivity (E) | 82 | 122 | 10049 | 17 |
| Schneemeyer | LF | Bell Labs (I) | USA, NJ | Superconductivity (E) | 63 | 156 | 9768 | 18 |
| Chemla | DS | USB (U/NL) | USA, CA | Optics (E) | 60 | 162 | 9668 | 19 |
| Morkoc | H | U. of IL (U) | USA, IL | Semiconductors (E) | 20 | 477 | 9668 | 19 |
| Miller | DAB | Stanford (U) | USA, CA | Semiconductors (E) | 67 | 144 | 9652 | 21 |
| Chu | CW | Houston Univ. (U) | USA, TX | Superconductivity (E) | 44 | 213 | 9453 | 22 |
| Bednorz | JG | IBM (I) | Switzerland | Superconductivity (E) | 110 | 85 | 9311 | 23 |
| Cohen | ML | UCB/LBL (U/NL) | USA, CA | Solid State (T) | 33 | 284 | 9311 | 23 |
| Meng | RL | Houston Univ. (U) | USA, TX | Superconductivity (E) | 86 | 108 | 9300 | 25 |
| Waszczak | JV | AT&T (I) | USA, NJ | Superconductivity (E) | 57 | 162 | 9170 | 26 |
| Shirane | G | Brookhaven (NL) | USA, NY | Superconductivity (E) | 33 | 269 | 8841 | 27 |
| Wiegmann | W | Bell Labs (I) | USA, NJ | Semiconductors (E) | 85 | 104 | 8822 | 28 |
| Vandover | RB | Bell Labs (I) | USA, NJ | Magnetism (E) | 67 | 129 | 8686 | 29 |
| Uchida* | S | | | | 28 | 301 | 8520 | 30 |
| Hor | PH | Houston Univ. (U) | USA, TX | Superconductivity (E) | 72 | 119 | 8512 | 31 |
| Murphy | DW | | | Astronomy (E) | 111 | 76 | 8439 | 32 |
| Birgeneau | RJ | MIT (U) | USA, MA | Superconductivity (E) | 41 | 286 | 8375 | 33 |
| Jorgensen | JD | Argonne (NL) | USA, IL | Superconductivity (E) | 50 | 167 | 8298 | 34 |
| Hinks | DG | Argonne (NL) | USA, IL | Superconductivity (E) | 37 | 223 | 8263 | 35 |

* citation total may be skewed because of multiple authors with the same name

| Author name | Institute | Country | Field | avg. cites | total art. | total cites | rank by total cit. | |
|--------------------|------------------|--------------------|--------------|-----------------------|-------------------|--------------------|---------------------------|----|
| Yariv | A | Caltech (U) | USA, CA | Optics (E) | 18 | 451 | 8089 | 36 |
| Gao | L | Kyoto (U) | Japan | Solid State (T) | 120 | 67 | 8048 | 37 |
| Tanaka* | K | | | | 7.9 | 1019 | 8045 | 38 |
| Zunger | A | NREL (NL) | USA, CO | Solid State (T) | 35 | 228 | 7989 | 39 |
| Wise | MB | Caltech | USA, CA | High-energy (T) | 57 | 138 | 7927 | 40 |
| Huang | ZJ | Houston Univ. (U) | USA, TX | Superconductivity (E) | 141 | 56 | 7888 | 41 |
| Evans | AG | Harvard (U) | USA, MA | Material Science (E) | 28 | 279 | 7867 | 42 |
| Takahashi* | K | | | | 12 | 637 | 7675 | 43 |
| Lindau | I | Lund Univ. (U) | Sweden | Solid State (E) | 24 | 307 | 7510 | 44 |
| Tarascon | JM | J. Verne Univ. (U) | France | Batteries (E) | 45 | 165 | 7468 | 45 |
| Tanaka* | Y | | | | 14 | 534 | 7435 | 46 |
| Takagi | H | Tokyo (U) | Japan | Superconductivity (E) | 36 | 202 | 7334 | 47 |
| Procaccia | I | Weizmann Ins. (U) | Israel | Chem. Phys. (T) | 65 | 113 | 7305 | 48 |
| Spicer | WE | Stanford (U) | USA, CA | Solid State (E) | 24 | 304 | 7292 | 49 |
| Kobayashi* | T | | | | 8.6 | 845 | 7282 | 50 |

* citation total may be skewed because of multiple authors with the same name

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Weaver | JH | 23 | 315 | 7277 | 51 |
| Parisi | G | 34 | 215 | 7257 | 52 |
| Wilczek | F | 57 | 128 | 7232 | 53 |
| Himpfel | FJ | 40 | 182 | 7199 | 54 |
| Schmittrink | S | 66 | 108 | 7155 | 55 |
| Wang | YQ | 76 | 94 | 7154 | 56 |
| Binder | K | 37 | 195 | 7146 | 57 |
| Gross | DJ | 130 | 54 | 7002 | 58 |
| Perdew | JP | 97 | 72 | 6953 | 59 |
| Buschow | KHJ | 12 | 581 | 6939 | 60 |
| Tokura | Y | 28 | 245 | 6926 | 61 |
| Maple | MB | 18 | 375 | 6922 | 62 |
| Efstathiou | G | 75 | 92 | 6922 | 62 |
| Greiner | W | 15 | 458 | 6789 | 64 |
| Parkin | SSP | 42 | 161 | 6763 | 65 |
| Venkatesan | T | 24 | 284 | 6736 | 66 |
| Ott | E | 36 | 188 | 6705 | 67 |
| Davis | M | 71 | 95 | 6699 | 68 |
| Neugebauer | G | 40 | 166 | 6693 | 69 |
| Rice | TM | 40 | 165 | 6668 | 70 |
| Tsui | DC | 36 | 184 | 6638 | 71 |
| Sato | M | 11 | 607 | 6606 | 72 |
| Scalapino | DJ | 34 | 192 | 6586 | 73 |
| Smith | JL | 22 | 292 | 6558 | 74 |
| Fabian | AC | 25 | 258 | 6549 | 75 |
| Crabtree | GW | 29 | 224 | 6547 | 76 |
| Fleming | RM | 53 | 123 | 6506 | 77 |
| Tsang | WT | 28 | 229 | 6468 | 78 |
| Meakin | P | 32 | 201 | 6397 | 79 |
| Kastner | MA | 52 | 122 | 6385 | 80 |
| Pearton | SJ | 15 | 425 | 6366 | 81 |
| Murakami | T | 22 | 290 | 6327 | 82 |
| Sawatzky | GA | 44 | 142 | 6318 | 83 |
| Holtzberg | F | 40 | 156 | 6285 | 84 |
| Cho | AY | 23 | 277 | 6262 | 85 |
| Halperin | BI | 69 | 90 | 6248 | 86 |
| Masumoto | T | 10 | 593 | 6215 | 87 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Tersoff | J | 69 | 90 | 6211 | 88 |
| Foxon | CT | 23 | 268 | 6201 | 89 |
| Geballe | TH | 28 | 222 | 6191 | 90 |
| Bastard | G | 58 | 107 | 6173 | 91 |
| Schuller | IK | 30 | 203 | 6044 | 92 |
| Nelson | DR | 62 | 96 | 5988 | 93 |
| Ando | T | 22 | 271 | 5976 | 94 |
| Quate | CF | 69 | 86 | 5926 | 95 |
| Bahcall | JN | 36 | 163 | 5923 | 96 |
| Stanley | HE | 23 | 262 | 5898 | 97 |
| Huse | DA | 53 | 110 | 5826 | 98 |
| Bak | P | 65 | 89 | 5813 | 99 |
| Tanaka | M | 8.1 | 722 | 5813 | 99 |
| Binnig | G | 157 | 37 | 5811 | 101 |
| Hamann | DR | 76 | 76 | 5790 | 102 |
| Yoshino | K | 11 | 529 | 5785 | 103 |
| Gerber | C | 152 | 38 | 5772 | 104 |
| Seiberg | N | 62 | 93 | 5771 | 105 |
| Suzuki | K | 7.3 | 791 | 5769 | 106 |
| Nakamura | K | 9.1 | 635 | 5763 | 107 |
| Soifer | BT | 43 | 134 | 5756 | 108 |
| Macdiarmid | AG | 33 | 171 | 5703 | 109 |
| Chang | YC | 24 | 235 | 5677 | 110 |
| Rietman | EA | 118 | 48 | 5672 | 111 |
| Siegrist | T | 65 | 87 | 5668 | 112 |
| Kapitulnik | A | 31 | 182 | 5642 | 113 |
| Marezio | M | 41 | 137 | 5621 | 114 |
| Turner | MS | 32 | 171 | 5547 | 115 |
| Jackiw | R | 67 | 82 | 5509 | 116 |
| Yamamoto | Y | 14 | 385 | 5478 | 117 |
| Siegeman | GI | 17 | 325 | 5436 | 118 |
| Sluter | M | 69 | 79 | 5419 | 119 |
| Burstein | D | 76 | 71 | 5398 | 120 |
| Fisher | MPA | 82 | 66 | 5385 | 121 |
| Harvey | JA | 56 | 96 | 5349 | 122 |
| Stormer | HL | 55 | 98 | 5341 | 123 |
| Zamolodchikov | AB | 101 | 53 | 5332 | 124 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Ott | HR | 19 | 270 | 5263 | 125 |
| Walls | DF | 30 | 174 | 5239 | 126 |
| Aspnes | DE | 39 | 135 | 5227 | 127 |
| Wu | XD | 29 | 182 | 5201 | 128 |
| Strominger | A | 56 | 93 | 5188 | 129 |
| Affleck | I | 49 | 104 | 5134 | 130 |
| Harbison | JP | 26 | 195 | 5115 | 131 |
| Louie | SG | 35 | 146 | 5095 | 132 |
| Aharony | A | 28 | 178 | 5071 | 133 |
| Sato | K | 7.7 | 655 | 5036 | 134 |
| Stocker | H | 27 | 183 | 4975 | 135 |
| Sato | T | 6.7 | 736 | 4929 | 136 |
| Haddon | RC | 72 | 68 | 4907 | 137 |
| Margaritondo | G | 15 | 336 | 4889 | 138 |
| Palstra | TTM | 75 | 65 | 4882 | 139 |
| Damen | TC | 78 | 69 | 4851 | 140 |
| Vilenkin | A | 50 | 96 | 4831 | 141 |
| Greene | RL | 29 | 165 | 4806 | 142 |
| Rees | MJ | 37 | 131 | 4782 | 143 |
| Veal | BW | 45 | 187 | 4777 | 144 |
| Young | AP | 49 | 97 | 4768 | 145 |
| Wu | MK | 47 | 101 | 4748 | 146 |
| Epstein | AJ | 28 | 231 | 4715 | 147 |
| Martin | RM | 44 | 107 | 4706 | 148 |
| Varma | CM | 49 | 95 | 4682 | 149 |
| Street | RA | 33 | 140 | 4672 | 150 |
| Ginsberg | DM | 32 | 146 | 4659 | 151 |
| Yamada | X | 11 | 436 | 4654 | 152 |
| Ramirez | AP | 52 | 89 | 4652 | 153 |
| Lambert | DL | 25 | 182 | 4625 | 154 |
| Malozemoff | AP | 58 | 79 | 4619 | 155 |
| Johnston | DC | 33 | 141 | 4596 | 156 |
| Grest | GS | 31 | 147 | 4581 | 157 |
| Zahurak | SM | 148 | 31 | 4575 | 158 |
| Car | R | 49 | 93 | 4559 | 159 |
| Beasley | MR | 28 | 165 | 4556 | 160 |
| Kobayashi | N | 11 | 428 | 4537 | 161 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Brown | GE | 27 | 165 | 4521 | 162 |
| Yamamoto | K | 8.4 | 535 | 4510 | 163 |
| Inoue | K | 11 | 421 | 4504 | 164 |
| Ross | GG | 34 | 133 | 4492 | 165 |
| Sander | LM | 68 | 66 | 4457 | 166 |
| Burrus | CA | 28 | 156 | 4429 | 167 |
| Woodall | JM | 24 | 187 | 4428 | 168 |
| Fisher | DS | 70 | 81 | 5631 | 169 |
| Takahashi | T | 8.9 | 626 | 5584 | 170 |
| Steinhardt | PJ | 73 | 76 | 5536 | 171 |
| Suzuki | Y | 9.8 | 562 | 5485 | 172 |
| Raveau | B | 16 | 345 | 5460 | 173 |
| Huchra | JP | 43 | 127 | 5434 | 174 |
| Russell | CT | 21 | 264 | 5413 | 175 |
| Thompson | JD | 21 | 251 | 5392 | 176 |
| Hirsch | JE | 42 | 128 | 5375 | 177 |
| Isgur | N | 77 | 69 | 5345 | 178 |
| Cunningham | JE | 29 | 186 | 5333 | 179 |
| Polyakov | AM | 205 | 26 | 5329 | 180 |
| Haldane | FDM | 85 | 62 | 5243 | 181 |
| Maeda | H | 17 | 310 | 5236 | 182 |
| Vafa | C | 60 | 86 | 5202 | 183 |
| Gruner | G | 25 | 207 | 5190 | 184 |
| Grassberger | P | 48 | 109 | 5186 | 185 |
| Weimann | G | 18 | 289 | 5116 | 186 |
| Krajewski | JJ | 52 | 98 | 5104 | 187 |
| Aguilarbenitez | M | 41 | 125 | 5077 | 188 |
| Sandage | A | 48 | 106 | 5042 | 189 |
| Friend | RH | 22 | 232 | 5009 | 190 |
| Nakamura | Y | 8.1 | 611 | 4951 | 191 |
| Martinec | E | 182 | 27 | 4914 | 192 |
| Saito | S | 13 | 365 | 4900 | 193 |
| Buttiker | M | 66 | 74 | 4886 | 194 |
| Inoue | A | 9.9 | 491 | 4858 | 195 |
| Astbury | A | 41 | 117 | 4850 | 196 |
| Dassarma | S | 21 | 227 | 4815 | 197 |
| White | SDM | 51 | 94 | 4800 | 198 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|----|--------------------------|---------------------------|------------------------|------------------------------------|
| Faessler | A | 13 | 363 | 4781 | 199 |
| Yamamoto | H | 12 | 399 | 4768 | 200 |
| Rohrer | H | 140 | 34 | 4758 | 201 |
| Olive | KA | 30 | 156 | 4717 | 202 |
| Greene | LH | 70 | 67 | 4706 | 203 |
| Chang | CC | 25 | 188 | 4689 | 204 |
| Bean | JC | 38 | 124 | 4672 | 205 |
| Hwang | DM | 35 | 134 | 4661 | 206 |
| Parrinello | M | 52 | 89 | 4657 | 207 |
| Dine | M | 63 | 74 | 4653 | 208 |
| Gupta | A | 17 | 275 | 4642 | 209 |
| Shah | J | 32 | 144 | 4625 | 210 |
| Zhang | K | 41 | 112 | 4613 | 211 |
| Leutwyler | H | 79 | 58 | 4584 | 212 |
| Rupp | LW | 78 | 59 | 4580 | 213 |
| Gunnarsson | O | 39 | 116 | 4568 | 214 |
| Ostriker | JP | 42 | 108 | 4557 | 215 |
| Ferrara | S | 35 | 130 | 4544 | 216 |
| Liu | JZ | 23 | 196 | 4522 | 217 |
| Yorke | JA | 50 | 90 | 4518 | 218 |
| Faber | SM | 56 | 80 | 4509 | 219 |
| Kortan | AR | 63 | 71 | 4492 | 220 |
| Knight | PL | 28 | 160 | 4481 | 221 |
| Goto | T | 5.9 | 749 | 4449 | 222 |
| Derrida | B | 34 | 132 | 4428 | 223 |
| Logan | RA | 20 | 224 | 4422 | 224 |
| Cheong | SW | 23 | 189 | 4410 | 225 |
| Macdonald | AH | 24 | 183 | 4392 | 226 |
| Shen | YR | 29 | 150 | 4391 | 227 |
| Schwarz | JH | 80 | 55 | 4388 | 228 |
| Nakamura | T | 6.7 | 656 | 4386 | 229 |
| Saito | Y | 8 | 550 | 4384 | 230 |
| Vonklitzing | K | 18 | 241 | 4381 | 231 |
| Endoh | Y | 20 | 217 | 4379 | 232 |
| Kaiser | N | 32 | 136 | 4378 | 233 |
| Kobayashi | M | 8 | 547 | 4375 | 234 |
| Amidei | D | 24 | 181 | 4372 | 235 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| West | KW | 29 | 152 | 4362 | 236 |
| Nazarewicz | W | 25 | 177 | 4358 | 237 |
| Hull | GW | 64 | 68 | 4349 | 238 |
| Bishop | AR | 14 | 305 | 4333 | 239 |
| Bauer | G | 20 | 219 | 4326 | 240 |
| Leggett | AJ | 82 | 53 | 4323 | 241 |
| Steglich | F | 17 | 247 | 4319 | 242 |
| Grebogi | C | 36 | 120 | 4317 | 243 |
| Tanaka | H | 7.9 | 548 | 4314 | 244 |
| Barger | V | 22 | 198 | 4310 | 245 |
| Johnson | WL | 30 | 142 | 4309 | 246 |
| Fukuyama | H | 18 | 233 | 4307 | 247 |
| Aeppli | G | 34 | 127 | 4303 | 248 |
| Sakaki | H | 25 | 173 | 4302 | 249 |
| Torng | CJ | 1434 | 3 | 4301 | 250 |
| Ashburn | JR | 614 | 7 | 4295 | 251 |
| Gunn | JE | 49 | 88 | 4289 | 252 |
| Zettl | A | 24 | 182 | 4284 | 253 |
| Bishop | DJ | 44 | 98 | 4276 | 254 |
| Peck | NF | 4646 | 92 | 4274 | 255 |
| Kitazawa | K | 22 | 190 | 4269 | 256 |
| Scully | MO | 21 | 201 | 4267 | 257 |
| Maeder | A | 61 | 70 | 4264 | 258 |
| Franse | JJM | 12 | 361 | 4263 | 259 |
| Inam | A | 42 | 102 | 4250 | 260 |
| Mayer | JW | 19 | 221 | 4248 | 261 |
| Tromp | RM | 42 | 100 | 4247 | 262 |
| Georgi | H | 42 | 102 | 4245 | 263 |
| Paulikas | AP | 63 | 67 | 4237 | 264 |
| Pickett | WE | 29 | 146 | 4225 | 265 |
| Mendez | EE | 45 | 93 | 4222 | 266 |
| Gasser | J | 150 | 28 | 4213 | 267 |
| Holonyak | N | 19 | 221 | 4212 | 268 |
| Eberly | JH | 28 | 148 | 4207 | 269 |
| Sato | H | 6.7 | 627 | 4195 | 270 |
| Sato | N | 14 | 299 | 4191 | 271 |
| Beenakker | CWJ | 40 | 105 | 4178 | 272 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Fert | A | 29 | 146 | 4172 | 273 |
| Sinha | SK | 26 | 159 | 4171 | 274 |
| Friedan | D | 174 | 24 | 4169 | 275 |
| Alexander | S | 90 | 46 | 4156 | 276 |
| Shimizu | T | 10 | 409 | 4140 | 277 |
| Joannopoulos | JD | 28 | 146 | 4138 | 278 |
| Pfeiffer | LN | 22..58 | 183 | 4133 | 279 |
| Kadanoff | LP | 60 | 69 | 4120 | 280 |
| Gelbke | CK | 25 | 164 | 4118 | 281 |
| Rowanrobinson | M | 40 | 104 | 4117 | 282 |
| Adachi | S | 15 | 270 | 4108 | 283 |
| Kronmuller | H | 11 | 367 | 4105 | 284 |
| Shank | CV | 61 | 67 | 4104 | 285 |
| Takahashi | M | 8.9 | 459 | 4097 | 286 |
| Kwok | WK | 39 | 105 | 4095 | 287 |
| Dresselhaus | MS | 18 | 222 | 4088 | 288 |
| Wang | Y | 8.9 | 456 | 4077 | 289 |
| Vinokur | VM | 38 | 106 | 4075 | 290 |
| Chadi | DJ | 49 | 83 | 4072 | 291 |
| Allen | JW | 31 | 130 | 4068 | 292 |
| Chakravarty | S | 42 | 97 | 4064 | 293 |
| Yamada | M | 11 | 357 | 4064 | 293 |
| Bertsch | GF | 35 | 115 | 4061 | 295 |
| Hebard | AF | 48 | 84 | 4056 | 296 |
| Kobayashi | K | 7.9 | 513 | 4052 | 297 |
| Chen | HS | 20 | 201 | 4033 | 298 |
| Bock | R | 34.67 | 116 | 4022 | 299 |
| Saito | G | 13 | 300 | 4022 | 299 |
| Orbach | R | 46 | 88 | 4017 | 301 |
| Rossatmignod | J | 19 | 210 | 4014 | 302 |
| Mckinnon | WR | 43 | 93 | 4013 | 303 |
| Schultz | L | 25 | 159 | 4013 | 303 |
| Schramm | DN | 30 | 132 | 4010 | 305 |
| Krakauer | H | 40 | 100 | 4007 | 306 |
| Petroff | PM | 31 | 130 | 4002 | 307 |
| Sjostrand | T | 91 | 44 | 3995 | 308 |
| Coey | JMD | 17 | 236 | 3987 | 309 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|----|--------------------------|---------------------------|------------------------|------------------------------------|
| Espinosa | GP | 57 | 70 | 3975 | 310 |
| Sanders | DB | 48 | 82 | 3971 | 311 |
| Scoville | NZ | 45 | 88 | 3971 | 311 |
| Hawking | SW | 72 | 55 | 3969 | 313 |
| Marshall | DB | 47 | 84 | 3968 | 314 |
| Yamada | Y | 8.4 | 472 | 3961 | 315 |
| Yamaguchi | M | 8.1 | 487 | 3960 | 316 |
| Liedert | J | 26 | 151 | 3958 | 317 |
| Silk | J | 20 | 198 | 3956 | 318 |
| Kivelson | S | 58 | 68 | 3953 | 319 |
| Walther | H | 25 | 156 | 3951 | 320 |
| Fischer | JE | 24 | 161 | 3940 | 321 |
| Langacker | P | 62 | 64 | 3939 | 322 |
| Bacci | C | 45 | 87 | 3932 | 323 |
| Nicolet | MA | 16 | 243 | 3932 | 323 |
| Murakami | M | 13 | 295 | 3925 | 325 |
| Fork | RL | 66 | 59 | 3916 | 326 |
| Sen | A | 19 | 202 | 3913 | 327 |
| Nakamura | S | 11 | 344 | 3910 | 328 |
| Asano | T | 28 | 138 | 3909 | 329 |
| Dagotto | E | 27 | 144 | 3909 | 329 |
| Haus | HA | 21 | 184 | 3908 | 331 |
| Cox | DE | 45 | 87 | 3906 | 332 |
| Clem | JR | 39 | 99 | 3900 | 333 |
| Hansma | PK | 51 | 76 | 3895 | 334 |
| Okamoto | H | 10 | 381 | 3892 | 335 |
| Bhat | R | 23 | 167 | 3888 | 336 |
| Chen | CH | 18 | 219 | 3883 | 337 |
| Subramanian | MA | 38 | 182 | 3880 | 338 |
| Lynch | WG | 26 | 158 | 3879 | 339 |
| Fisher | ME | 33 | 118 | 3867 | 340 |
| Stone | AD | 80 | 48 | 3863 | 341 |
| Geller | MJ | 42 | 92 | 3862 | 342 |
| Demuth | JE | 63 | 61 | 3860 | 343 |
| Sakurai | T | 10 | 378 | 3858 | 344 |
| Barbieri | R | 39 | 98 | 3847 | 345 |
| Koch | SW | 18 | 214 | 3843 | 346 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Chaudhari | P | 58 | 66 | 3840 | 347 |
| Itoh | K | 8.2 | 464 | 3825 | 348 |
| Tseytlin | AA | 33 | 116 | 3821 | 349 |
| Linde | AD | 85 | 45 | 3813 | 350 |
| Bezaguët | A | 68 | 56 | 3810 | 351 |
| Imry | Y | 45 | 84 | 3810 | 351 |
| Martinelli | G | 27 | 141 | 3808 | 353 |
| Koch | RH | 30 | 127 | 3806 | 354 |
| Aubert | B | 72 | 53 | 3804 | 355 |
| Mushotzky | RF | 34 | 112 | 3803 | 356 |
| Fink | J | 27 | 140 | 3783 | 357 |
| Jerome | D | 17 | 224 | 3773 | 358 |
| Pepper | M | 15 | 251 | 3767 | 359 |
| Mohapatra | RN | 22 | 173 | 3765 | 360 |
| Swinney | HL | 49 | 77 | 3763 | 361 |
| Witten | TA | 75 | 50 | 3761 | 362 |
| Jackson | WB | 40 | 94 | 3756 | 363 |
| Watanabe | K | 7 | 536 | 3755 | 364 |
| Christensen | NE | 22 | 169 | 3754 | 365 |
| Iben | I | 47 | 79 | 3750 | 366 |
| Stern | F | 139 | 27 | 3748 | 367 |
| Matthews | K | 30 | 124 | 3747 | 368 |
| Otsuka | N | 24 | 155 | 3744 | 369 |
| Tholence | JL | 20 | 189 | 3735 | 370 |
| Green | MD | 69 | 54 | 3733 | 371 |
| Roy | R | 12 | 313 | 3731 | 372 |
| Nilles | HP | 69 | 54 | 3730 | 373 |
| Laughlin | RB | 81 | 46 | 3726 | 374 |
| Watanabe | T | 6 | 618 | 3722 | 375 |
| Bame | SJ | 30 | 125 | 3719 | 376 |
| Frenk | CS | 61 | 61 | 3717 | 377 |
| Dressler | A | 55 | 68 | 3715 | 378 |
| Fuggle | JC | 40 | 92 | 3712 | 379 |
| Kennicutt | RC | 39 | 95 | 3702 | 380 |
| Havlin | S | 17 | 212 | 3694 | 381 |
| Bradley | DDC | 46 | 80 | 3684 | 382 |
| Gallagher | HJ | 35 | 105 | 3680 | 383 |

| Author name | | average cites | total articles | total cites | rank by total citations |
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| Flouquet | J | 18 | 210 | 3677 | 384 |
| Suzuki | S | 8.1 | 452 | 3675 | 385 |
| Chen | Y | 7.4 | 496 | 3674 | 386 |
| Sargent | WLW | 39 | 94 | 3663 | 387 |
| Fernandez | E | 23 | 157 | 3660 | 388 |
| Schmidt | M | 21 | 174 | 3657 | 389 |
| Frohlich | J | 26 | 140 | 3652 | 390 |
| Yeshurun | Y | 32 | 115 | 3650 | 391 |
| Jin | S | 23 | 157 | 3636 | 392 |
| Ibanez | LE | 57 | 64 | 3636 | 392 |
| Inoue | H | 15 | 248 | 3635 | 394 |
| Hopfield | JJ | 404 | 9 | 3632 | 395 |
| Alvarezgaume | L | 70 | 52 | 3627 | 396 |
| Agarwal | GS | 1263 | 2817 | 3626 | 397 |
| Chabal | YJ | 53 | 68 | 3623 | 398 |
| Remeika | JP | 52 | 70 | 3618 | 399 |
| Porter | FC | 190 | 19 | 3615 | 400 |
| Jimbo | M | 44 | 83 | 3612 | 401 |
| Guntherodt | HJ | 11 | 322 | 3611 | 402 |
| Inoue | M | 7.4 | 490 | 3610 | 403 |
| Bechgaard | K | 21 | 171 | 3609 | 404 |
| Laidonitz | RB | 52 | 69 | 3602 | 405 |
| Suderholm | L | 48 | 75 | 3588 | 406 |
| Fischer | R | 21 | 174 | 3583 | 407 |
| Fujita | T | 10 | 352 | 3578 | 408 |
| Amaldi | U | 22 | 163 | 3575 | 409 |
| Zee | A | 40 | 89 | 3575 | 409 |
| Michel | C | 20 | 179 | 3571 | 411 |
| Stewart | GR | 21 | 169 | 3569 | 412 |
| Koyama | K | 12 | 287 | 3568 | 413 |
| Wen | XG | 41 | 87 | 3566 | 414 |
| Brandt | EH | 31 | 116 | 3556 | 415 |
| Sleight | AW | 53 | 67 | 3554 | 416 |
| Heiles | C | 58 | 61 | 3552 | 417 |
| Lada | CJ | 51 | 69 | 3548 | 418 |
| Hidaka | Y | 25 | 140 | 3536 | 419 |
| Andersen | OK | 33 | 108 | 3533 | 420 |

| Author name | | average cites | total articles | total cites | rank by total citations |
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| Fujimori | A | 21 | 166 | 3532 | 421 |
| Stirling | WJ | 25 | 139 | 3526 | 423 |
| Miller | RC | 60 | 59 | 3525 | 424 |
| Ellis | RS | 36 | 98 | 3525 | 424 |
| Vantendeloo | G | 15 | 238 | 3521 | 426 |
| Capasso | F | 24 | 147 | 3513 | 427 |
| Thaddeus | P | 39 | 91 | 3513 | 427 |
| Furdyna | JK | 16 | 217 | 3505 | 429 |
| Suzuki | A | 15 | 234 | 3498 | 430 |
| Mattheiss | LF | 59 | 59 | 3498 | 430 |
| Sompolinsky | H | 56 | 62 | 3489 | 432 |
| Haber | HE | 49 | 71 | 3479 | 433 |
| Tielens | AGGM | 34 | 101 | 3476 | 434 |
| Linsky | JL | 30 | 117 | 3469 | 435 |
| Tang | C | 85 | 41 | 3468 | 436 |
| Brewer | JH | 20 | 177 | 3463 | 437 |
| Kardar | M | 32 | 107 | 3463 | 437 |
| Hervieu | M | 17 | 198 | 3463 | 437 |
| Temkin | H | 17 | 199 | 3463 | 437 |
| Cardy | JL | 5091 | 68 | 3462 | 441 |
| Schroder | H | 19 | 188 | 3459 | 442 |
| Kes | PH | 28 | 124 | 3456 | 443 |
| Woosley | SE | 46 | 75 | 3451 | 444 |
| Chen | J | 8.3 | 415 | 3442 | 445 |
| Suzuki | H | 6.8 | 504 | 3442 | 445 |
| Dresselhaus | G | 22 | 159 | 3436 | 447 |
| Legoues | FK | 33 | 105 | 3434 | 448 |
| Kasuya | T | 11 | 309 | 3429 | 449 |
| Hartmann | L | 38 | 89 | 3420 | 450 |
| Rosner | R | 28 | 121 | 3419 | 451 |
| Tsuei | CC | 32 | 106 | 3415 | 452 |
| Schirber | JE | 22 | 153 | 3415 | 452 |
| Martin | AD | 24 | 144 | 3398 | 454 |
| Kobayashi | N | 7.5 | 451 | 3398 | 454 |
| Schrieffer | JR | 51 | 67 | 3389 | 456 |
| Hagiwara | K | 34 | 100 | 3389 | 456 |

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| Steigman | G | 51 | 67 | 3387 | 458 |
| Genzel | R | 32 | 107 | 3387 | 458 |
| Ho | KM | 22 | 156 | 3386 | 460 |
| Kimura | T | 9 | 376 | 3385 | 461 |
| Cohen | M | 20 | 172 | 3383 | 462 |
| Fujii | H | 8.4 | 405 | 3380 | 463 |
| Welp | U | 26 | 131 | 3376 | 464 |
| Snell | RL | 36 | 95 | 3375 | 465 |
| Kawai | T | 9.5 | 357 | 3375 | 465 |
| Gosling | JT | 25 | 136 | 3373 | 467 |
| Beno | MA | 62 | 54 | 3372 | 468 |
| Chien | CL | 21 | 157 | 3367 | 469 |
| Dabrowski | B | 29 | 118 | 3365 | 470 |
| Mcgill | TC | 17 | 203 | 3360 | 471 |
| Poate | JM | 28 | 118 | 3360 | 471 |
| Wang | WI | 21 | 157 | 3354 | 473 |
| Hauser | MG | 80 | 42 | 3351 | 474 |
| Ong | NP | 29 | 114 | 3346 | 475 |
| Bennett | CL | 40 | 83 | 3345 | 476 |
| Badelek | B | 47 | 71 | 3333 | 477 |
| Hess | K | 20 | 170 | 3333 | 477 |
| Barboux | P | 54 | 62 | 3319 | 479 |
| Decamp | D | 21 | 156 | 3318 | 480 |
| Matsuoka | M | 14 | 239 | 3317 | 481 |
| Callan | CG | 90 | 37 | 3314 | 482 |
| Hanggi | P | 27 | 123 | 3313 | 483 |
| Donoghue | JF | 30 | 111 | 3309 | 484 |
| Harris | JJ | 20 | 165 | 3302 | 485 |
| Montanet | L | 194 | 17 | 3298 | 486 |
| Horowitz | GT | 50 | 66 | 3297 | 487 |
| Ippen | EP | 27 | 121 | 3297 | 487 |
| Gurnett | DA | 23 | 145 | 3296 | 489 |
| Tranquada | JM | 41 | 81 | 3296 | 489 |
| Brogli | RA | 20 | 166 | 3295 | 491 |
| Gunshor | RL | 21 | 157 | 3295 | 491 |
| Coignet | O | 78 | 42 | 3292 | 493 |
| Turok | N | 39 | 84 | 3290 | 494 |

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| Ramesh | R | 19 | 175 | 3290 | 494 |
| Capponi | JJ | 28 | 119 | 3287 | 496 |
| Kato | M | 8.4 | 393 | 3285 | 497 |
| Byer | RL | 22 | 151 | 3282 | 498 |
| Singh | J | 8.2 | 402 | 3280 | 499 |
| Kounnas | C | 42 | 79 | 3279 | 500 |
| Pinczuk | A | 34 | 96 | 3276 | 501 |
| Wood | TH | 76 | 43 | 3269 | 502 |
| Clarke | J | 21 | 153 | 3267 | 503 |
| Lee | VY | 67 | 49 | 3267 | 503 |
| Emery | VJ | 62 | 53 | 3267 | 503 |
| Tu | KN | 17 | 187 | 3267 | 503 |
| Esaki | L | 42 | 78 | 3263 | 507 |
| Oda | M | 26 | 126 | 3263 | 507 |
| Jullien | R | 24 | 133 | 3255 | 509 |
| Nurmikko | AV | 21 | 153 | 3255 | 509 |
| Hamers | RJ | 65 | 50 | 3251 | 511 |
| Yamamoto | T | 5.3 | 618 | 3250 | 512 |
| Glarum | SH | 171 | 19 | 3245 | 513 |
| Roberts | RG | 46 | 70 | 3245 | 513 |
| Plummer | EW | 29 | 111 | 3244 | 515 |
| Grinstein | B | 45 | 72 | 3240 | 516 |
| Larkin | AI | 33 | 98 | 3229 | 517 |
| Zandbergen | HW | 28 | 115 | 3228 | 518 |
| Hasegawa | T | 11 | 286 | 3224 | 519 |
| Pines | D | 40 | 81 | 3224 | 519 |
| Abrahams | E | 57 | 57 | 3223 | 521 |
| Pandharipande | VR | 38 | 85 | 3223 | 521 |
| Torrance | JB | 57 | 57 | 3222 | 523 |
| Hybertsen | MS | 54 | 60 | 3221 | 524 |
| Richter | A | 15 | 211 | 3219 | 525 |
| Yamada | T | 8 | 404 | 3216 | 526 |
| Albrow | MG | 26 | 126 | 3216 | 526 |
| Ramakrishnan | TV | 61 | 53 | 3215 | 528 |
| Uchida | Y | 20 | 162 | 3215 | 528 |
| Combley | F | 80 | 40 | 3215 | 528 |
| Takahashi | Y | 5.9 | 546 | 3215 | 528 |

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| Feldman | LC | 28 | 114 | 3212 | 532 |
| Don | JD | 16 | 197 | 3206 | 533 |
| Kawai | H | 27 | 117 | 3205 | 534 |
| Auchincloss | P | 27 | 117 | 3204 | 535 |
| Polchinski | J | 46 | 70 | 3202 | 536 |
| Wegner | G | 23 | 140 | 3198 | 537 |
| Taylor | JH | 46 | 70 | 3197 | 538 |
| Rohm | R | 246 | 13 | 3193 | 539 |
| Boksenberg | A | 30 | 105 | 3192 | 540 |
| Itoh | N | 13 | 240 | 3188 | 541 |
| Arko | AJ | 36 | 89 | 3187 | 542 |
| Veneziano | G | 35 | 90 | 3184 | 543 |
| Gobel | EO | 20 | 162 | 3182 | 544 |
| Wiesenfeld | K | 47 | 68 | 3181 | 545 |
| Mandel | L | 21 | 148 | 3180 | 546 |
| Gefen | Y | 29 | 109 | 3176 | 547 |
| Shimizu | K | 9.3 | 342 | 3171 | 548 |
| Jepsen | O | 31 | 103 | 3170 | 549 |
| Li | Q | 12 | 258 | 3167 | 550 |
| Lucovsky | G | 17 | 187 | 3166 | 551 |
| White | NE | 26 | 121 | 3164 | 552 |
| Draine | BT | 69 | 46 | 3163 | 553 |
| Hardy | WN | 24 | 134 | 3155 | 554 |
| Albrecht | H | 19 | 168 | 3155 | 554 |
| Liu | R | 33 | 97 | 3154 | 556 |
| Bredas | JL | 19 | 169 | 3153 | 557 |
| Ishikana | M. | 14 | 224 | 3153 | 557 |
| Chang | LL | 30 | 184 | 3150 | 559 |
| Nomoto | K | 27 | 116 | 3149 | 560 |
| Crespo | JM | 22 | 143 | 3148 | 561 |
| Yamazaki | T | 9.6 | 328 | 3148 | 561 |
| Greene | JE | 17 | 181 | 3147 | 563 |
| Mori | T | 8.5 | 368 | 3143 | 564 |
| Vettier | C | 19 | 167 | 3141 | 565 |
| Savage | BD | 31 | 101 | 3136 | 566 |
| Lawn | BR | 31 | 101 | 3136 | 566 |
| Thomas | AW | 21 | 152 | 3135 | 568 |

| Author name | | average cites | total articles | total cites | rank by total citations |
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| Rammal | R | 36 | 88 | 3134 | 569 |
| Arnison | G | 92 | 34 | 3132 | 570 |
| Chaikin | PM | 23 | 137 | 3131 | 571 |
| Townsend | PK | 27 | 116 | 3130 | 572 |
| Capone | DW | 55 | 57 | 3126 | 573 |
| Bally | J | 38 | 82 | 3124 | 574 |
| Altshuler | BL | 29 | 108 | 3124 | 574 |
| Gopalakrishnan | J | 49 | 64 | 3113 | 576 |
| Dimopoulos | S | 43 | 73 | 3113 | 576 |
| Pisarski | RD | 57 | 55 | 3112 | 578 |
| Green | RF | 34 | 91 | 3112 | 578 |
| Mills | DL | 23 | 133 | 3107 | 580 |
| Tinkham | M | 34 | 92 | 3099 | 581 |
| Narayan | J | 15 | 206 | 3096 | 582 |
| Coldren | LA | 17 | 186 | 3096 | 582 |
| Ueda | K | 11 | 287 | 3094 | 584 |
| Nieminen | RM | 22 | 138 | 3094 | 584 |
| Makishima | K | 21 | 146 | 3093 | 586 |
| Kaldis | E | 17 | 179 | 3083 | 587 |
| Apollinari | G | 25 | 122 | 3081 | 588 |
| Howard | RE | 42 | 74 | 3077 | 589 |
| Suenaga | M | 24 | 129 | 3077 | 589 |
| Johnson | NM | 25 | 124 | 3074 | 591 |
| Barnett | RM | 110 | 28 | 3072 | 592 |
| Sasaki | T | 7.3 | 422 | 3067 | 593 |
| Mydosh | JA | 17 | 178 | 3063 | 594 |
| Coniglio | A | 32 | 96 | 3062 | 595 |
| Geballe | TR | 19 | 161 | 3056 | 596 |
| Bond | JR | 76 | 40 | 3052 | 597 |
| Williams | JM | 16 | 192 | 3050 | 598 |
| Gordon | JP | 60 | 51 | 3050 | 598 |
| Bechtold | J | 45 | 68 | 3048 | 600 |
| Vandenberg | DA | 65 | 47 | 3046 | 601 |
| Stutzmann | M | 20 | 151 | 3043 | 602 |
| Sagawa | M | 36 | 85 | 3042 | 603 |
| Kohmoto | M | 31 | 97 | 3041 | 604 |
| Bando | Y | 19 | 157 | 3040 | 605 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|----|--------------------------|---------------------------|------------------------|------------------------------------|
| Kondo | K | 9.7 | 313 | 3039 | 606 |
| Kanbach | G | 31 | 99 | 3038 | 607 |
| Levine | BF | 35 | 87 | 3035 | 608 |
| Iijima | S | 47 | 65 | 3032 | 609 |
| Tanner | DB | 26 | 116 | 3030 | 610 |
| Rosseinsky | MJ | 64 | 47 | 3026 | 611 |
| Bothun | GD | 26 | 117 | 3019 | 612 |
| Ertl | G | 30 | 100 | 3014 | 613 |
| Tu | CW | 18 | 166 | 3014 | 613 |
| Antoniadis | I | 34 | 89 | 3013 | 615 |
| Fowler | AB | 143 | 21 | 3012 | 616 |
| Tokumoto | M | 13 | 240 | 3011 | 617 |
| Cahn | JW | 49 | 61 | 3002 | 618 |
| Wright | EL | 49 | 61 | 3001 | 619 |
| Kubo | Y | 19 | 160 | 3000 | 620 |
| Johnston | KJ | 19 | 159 | 2998 | 621 |
| Myers | PC | 38 | 79 | 2997 | 622 |
| Elvis | M | 31 | 97 | 2995 | 623 |
| Srednicki | M | 43 | 69 | 2995 | 623 |
| Smith | EJ | 19 | 159 | 2995 | 623 |
| Takahashi | S | 9 | 331 | 2992 | 626 |
| Bajaj | KK | 21 | 140 | 2992 | 626 |
| Bimberg | D | 13 | 236 | 2990 | 628 |
| Srolovitz | DJ | 24 | 125 | 2988 | 629 |
| Maeda | K | 10 | 297 | 2986 | 630 |
| King | AR | 18 | 166 | 2983 | 631 |
| Rice | JP | 58 | 51 | 2980 | 632 |
| Kane | GL | 49 | 61 | 2976 | 633 |
| Scheffler | M | 25 | 117 | 2972 | 634 |
| Guth | AH | 149 | 20 | 2971 | 635 |
| Kikuchi | M | 11 | 261 | 2971 | 635 |
| Bartel | W | 26 | 114 | 2970 | 637 |
| Kirshner | RP | 31 | 96 | 2970 | 637 |
| Fukuda | A | 16 | 191 | 2970 | 637 |
| Goss | WM | 16 | 186 | 2969 | 640 |
| Schneider | DP | 26 | 112 | 2965 | 641 |
| Daw | MS | 76 | 39 | 2964 | 642 |

| Author name | | average cites | total articles | total cites | rank by total citations |
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| Condon | JJ | 34 | 86 | 2964 | 642 |
| Young | JS | 42 | 70 | 2964 | 642 |
| Smoot | GF | 34 | 86 | 2959 | 645 |
| Matsumoto | T | 8.5 | 348 | 2955 | 646 |
| Fiory | AT | 54 | 55 | 2954 | 647 |
| Girvin | SM | 34 | 88 | 2953 | 648 |
| Kaneko | K | 16.58. | 178 | 2952 | 649 |
| Heckman | TM | 35 | 85 | 2950 | 650 |
| Landauer | R | 41 | 72 | 2946 | 651 |
| Matsuda | T | 10 | 290 | 2944 | 652 |
| Tsang | MB | 26 | 115 | 2943 | 653 |
| Zoller | P | 21 | 143 | 2941 | 654 |
| Amelinckx | S | 17 | 170 | 2941 | 654 |
| Amer | NM | 51 | 58 | 2940 | 656 |
| Fabbiano | G | 40 | 74 | 2934 | 657 |
| Millis | AJ | 37 | 79 | 2931 | 658 |
| Fukutomi | M | 51 | 57 | 2931 | 658 |
| Kobayashi | S | 8.8 | 332 | 2930 | 660 |
| Shifman | MA. | 31 | 93 | 2928 | 661 |
| Yablonovitch | E | 42 | 69 | 2927 | 662 |
| Shu | FH | 59 | 50 | 2927 | 662 |
| Shraiman | BI | 77 | 38 | 2926 | 664 |
| Brodsky | S | 33 | 89 | 2925 | 665 |
| Horn | PM | 62 | 47 | 2924 | 666 |
| Menovsky | AA | 12 | 246 | 2923 | 667 |
| Strom | SE | 41 | 72 | 2919 | 668 |
| Deser | S | 36 | 82 | 2916 | 669 |
| Stohr | J | 44 | 67 | 2915 | 670 |
| Martins | JL | 54 | 54 | 2913 | 671 |
| Frogel | JA | 38 | 76 | 2907 | 672 |
| Lebowitz | JL | 17 | 174 | 2904 | 673 |
| Weymann | RJ | 40 | 72 | 2903 | 674 |
| Norskov | JK | 41 | 70 | 2903 | 674 |
| Habing | HJ | 48 | 61 | 2901 | 676 |
| Koren | G | 32 | 91 | 2898 | 677 |
| Northrup | JE | 43 | 67 | 2898 | 677 |
| Wilson | AS | 28 | 105 | 2897 | 679 |

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| Sham | LJ | 35 | 82 | 2896 | 680 |
| Lyne | AG | 27 | 107 | 2896 | 680 |
| Zeller | R | 22 | 134 | 2895 | 682 |
| Weise | W | 24 | 120 | 2894 | 683 |
| Brown | BA | 16 | 182 | 2891 | 684 |
| Jensen | MH | 52 | 56 | 2890 | 685 |
| Schulz | H | 16 | 183 | 2889 | 686 |
| Jaffe | RL | 42 | 68 | 2884 | 687 |
| Muller | G | 10 | 277 | 2882 | 688 |
| Chaillout | C | 33 | 86 | 2879 | 689 |
| Weinert | M | 31 | 94 | 2879 | 689 |
| Karsch | F | 24 | 118 | 2879 | 689 |
| Vanhouten | H | 47 | 61 | 2876 | 692 |
| Davies | RL | 90 | 32 | 2875 | 693 |
| Deboer | FR | 8.3 | 346 | 2870 | 694 |
| Denjacob | E | 29 | 100 | 2868 | 695 |
| Moore | G | 42 | 68 | 2865 | 696 |
| Takezde | H | 17 | 172 | 2863 | 697 |
| Read | N | 55 | 52 | 2862 | 698 |
| Gibson | JM | 34 | 83 | 2862 | 698 |
| Baskes | MI | 55 | 52 | 2859 | 700 |
| Miley | GK | 31 | 93 | 2856 | 701 |
| Yanagida | T | 25 | 115 | 2856 | 701 |
| Garcia | N | 20 | 140 | 2855 | 703 |
| Matsumoto | H | 8.4 | 342 | 2855 | 703 |
| Hong | M | 21 | 133 | 2854 | 705 |
| Segre | CU | 86 | 33 | 2853 | 706 |
| Baum | G | 50 | 57 | 2852 | 707 |
| Lee | J | 11 | 265 | 2850 | 708 |
| Yamamoto | S | 8.3 | 344 | 2849 | 709 |
| Wilson | TL | 18 | 155 | 2846 | 710 |
| Fradkin | ES | 28 | 100 | 2845 | 711 |
| Stolen | RH | 47 | 61 | 2845 | 711 |
| Cowie | LL | 41 | 70 | 2843 | 713 |
| Alexander | G | 15 | 195 | 2842 | 714 |
| Barbarogaltieri | A | 25 | 114 | 2841 | 715 |
| Komatsubara | T | 11 | 252 | 2839 | 716 |

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| Citrin | PH | 51 | 56 | 2838 | 717 |
| Peebles | PJE | 50 | 57 | 2837 | 718 |
| Matsui | Y | 14 | 207 | 2833 | 719 |
| Webb | RA | 62 | 46 | 2833 | 719 |
| Blinc | R | 11 | 252 | 2830 | 721 |
| Vanparadijs | J | 12 | 242 | 2830 | 721 |
| Atac | M | 20 | 140 | 2829 | 723 |
| Heiney | PA | 59 | 48 | 2829 | 723 |
| Dynes | RC | 37 | 76 | 2829 | 723 |
| Herrmann | HJ | 21 | 137 | 2829 | 723 |
| Ogawa | K | 12 | 230 | 2828 | 727 |
| Bray | AJ | 23 | 122 | 2827 | 728 |
| Marciano | WJ | 64 | 44 | 2826 | 729 |
| Horikoshi | Y | 18 | 157 | 2825 | 730 |
| Namba | S | 9.6 | 293 | 2823 | 731 |
| Weber | ER | 21 | 133 | 2819 | 732 |
| Kaindl | G | 15 | 191 | 2816 | 733 |
| Maki | K | 13 | 225 | 2816 | 733 |
| Landau | DP | 20 | 144 | 2816 | 733 |
| Shenker | S | 201 | 14 | 2812 | 736 |
| Prokhorov | AM | 4.6 | 611 | 2809 | 737 |
| Aaronson | M | 46 | 61 | 2807 | 738 |
| Phillips | JC | 17 | 170 | 2806 | 739 |
| Muller | B | 14 | 205 | 2802 | 740 |
| Yamauchi | H | 8.8 | 320 | 2799 | 741 |
| Stauffer | D | 14 | 197 | 2798 | 742 |
| Gleiter | H | 26 | 186 | 2797 | 743 |
| Lange | FF | 20 | 138 | 2797 | 743 |
| Catlow | CRA | 15 | 192 | 2796 | 745 |
| Kwo | J | 41 | 69 | 2795 | 746 |
| Asayama | K | 12 | 230 | 2794 | 747 |
| Ishida | K | 9.9 | 283 | 2793 | 748 |
| Moncton | DE | 68 | 41 | 2791 | 749 |
| Takano | M | 22 | 125 | 2791 | 749 |
| Abstreiter | G | 17 | 165 | 2787 | 751 |
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| Catz | P | 111 | 25 | 2769 | 758 |
| Baden | AR | 26 | 108 | 2768 | 759 |
| Tiefel | TH | 34 | 82 | 2768 | 759 |
| Sugar | RL | 35 | 80 | 2768 | 759 |
| Lawrence | A | 34 | 81 | 2766 | 762 |
| Burnham | RD. | 17 | 164 | 2766 | 762 |
| Dalgarno | A | 18 | 156 | 2764 | 764 |
| Mori | H | 8.2 | 338 | 2763 | 765 |
| Watanabe | S | 8.1 | 343 | 2763 | 765 |
| Wurth | R | 20 | 135 | 2761 | 767 |
| Char | K | 30 | 91 | 2759 | 768 |
| English | JH | 35 | 78 | 2758 | 769 |
| Ketterson | JB | 12 | 234 | 2758 | 769 |
| Canham | LT | 86 | 32 | 2756 | 771 |
| Weinberg | S | 61 | 45 | 2753 | 772 |
| Alfano | RR | 9.4 | 292 | 2753 | 772 |
| Wudl | F | 25 | 110 | 2753 | 772 |
| Kroemer | H | 19 | 143 | 2752 | 775 |
| Toulouse | G | 83 | 33 | 2750 | 776 |
| Lugiato | LA | 17 | 158 | 2744 | 777 |
| Mukai | T | 16 | 175 | 2744 | 777 |
| Schmidt | H | 14 | 194 | 2743 | 779 |
| Siegel | W | 25 | 109 | 2741 | 780 |
| Zhang | FC | 33 | 82 | 2740 | 781 |
| Gallagher | PK | 41 | 66 | 2736 | 782 |
| Ashby | MF | 33 | 82 | 2734 | 783 |
| Uemura | YJ | 19 | 143 | 2731 | 784 |
| Satu | S | 7.6 | 360 | 2730 | 785 |
| Schulz | HD | 20 | 136 | 2730 | 785 |
| Dopita | MA | 24 | 114 | 2728 | 787 |
| Gratias | D | 50 | 55 | 2728 | 787 |
| Kitaoka | Y | 13 | 209 | 2726 | 789 |
| Gammel | PL | 48 | 68 | 2724 | 790 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|----|--------------------------|---------------------------|------------------------|------------------------------------|
| Eckmann | JP | 47 | 58 | 2723 | 791 |
| Kawasaki | K | 14 | 193 | 2723 | 791 |
| Vanderveen | JF | 41 | 66 | 2722 | 793 |
| Lejay | P | 17 | 157 | 2718 | 794 |
| Chen | CT | 15 | 179 | 2717 | 795 |
| Salamon | MB | 20 | 135 | 2717 | 795 |
| Onuki | Y | 8.6 | 316 | 2715 | 797 |
| Willis | JO | 25 | 107 | 2715 | 797 |
| Takeda | Y | 13 | 216 | 2713 | 799 |
| Nazzal | AI | 100 | 27 | 2711 | 800 |
| Walmsley | CM | 23 | 120 | 2709 | 801 |
| Centro | S | 87 | 31 | 2703 | 802 |
| Schulz | HJ | 24 | 113 | 2701 | 803 |
| Orenstein | J | 59 | 46 | 2700 | 804 |
| Family | F | 28 | 97 | 2699 | 805 |
| Casten | RF | 17 | 163 | 2697 | 806 |
| Zaanen | J | 49 | 55 | 2694 | 807 |
| Paczynski | B | 31 | 88 | 2692 | 808 |
| Lipowsky | R | 31 | 87 | 2689 | 809 |
| Vandewalle | CG | 43 | 62 | 2680 | 810 |
| Kajantie | K | 39 | 69 | 2680 | 810 |
| Avouris | P | 37 | 172 | 2679 | 812 |
| Kogut | JB | 20 | 135 | 2677 | 813 |
| Shirley | DA | 32 | 84 | 2677 | 813 |
| Berends | FA | 42 | 63 | 2676 | 815 |
| Hamakawa | Y | 12 | 232 | 2675 | 816 |
| Candelas | P | 76 | 35 | 2672 | 817 |
| Matsushita | T | 9.6 | 277 | 2669 | 818 |
| Gibbs | HM | 19 | 141 | 2668 | 819 |
| Shen | ZX | 23 | 115 | 2667 | 820 |
| Littlewood | PB | 38 | 71 | 2666 | 821 |
| Tung | RT | 38 | 70 | 2666 | 821 |
| Fukugita | M | 18 | 148 | 2665 | 823 |
| Phillips | TG | 30 | 89 | 2664 | 824 |
| Blandford | RD | 37 | 71 | 2662 | 825 |
| Maccacaro | T | 35 | 75 | 2662 | 825 |
| Braaten | E | 33 | 81 | 2662 | 825 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Redner | S | 27 | 100 | 2660 | 828 |
| Chu | SNG | 16 | 169 | 2657 | 829 |
| Broll | C | 43 | 61 | 2653 | 830 |
| Klein | MV | 21 | 129 | 2652 | 831 |
| Torardi | CC | 68 | 39 | 2651 | 832 |
| Ohashi | T | 20 | 134 | 2651 | 832 |
| Madhukar | A | 20 | 132 | 2649 | 834 |
| Ceradini | F | 76 | 35 | 2645 | 835 |
| Matsuda | A | 14 | 185 | 2644 | 836 |
| Lees | JP | 21 | 128 | 2642 | 837 |
| Minard | MN | 20 | 129 | 2642 | 837 |
| Calvetti | M | 110 | 24 | 2640 | 839 |
| Hasegawa | H | 9.3 | 284 | 2640 | 839 |
| Holmes | AB | 33 | 79 | 2639 | 841 |
| Ropriguez | LF | 16 | 162 | 2639 | 841 |
| Florez | LT | 22 | 119 | 2634 | 843 |
| Winter | H | 13 | 197 | 2633 | 844 |
| Ishikawa | T | 9.4 | 280 | 2633 | 844 |
| Wilkins | JW | 23 | 113 | 2631 | 846 |
| Garrett | JD | 18 | 145 | 2630 | 847 |
| Robertson | J | 25 | 103 | 2622 | 848 |
| Joyce | BA | 29 | 90 | 2622 | 848 |
| Fu | CL | 33 | 79 | 2615 | 850 |
| Caldeira | AO | 75 | 35 | 2615 | 850 |
| Mayerhasselwander | | 35 | 75 | 2615 | 850 |
| Gyorgy | EM | 28 | 93 | 2614 | 853 |
| Mould | JR | 25 | 103 | 2614 | 853 |
| Hermann | AM | 34 | 76 | 2612 | 855 |
| Siewart | GC | 41 | 64 | 2611 | 856 |
| Schubert | EF | 26 | 180 | 2611 | 856 |
| Aoki | K | 9.1 | 286 | 2610 | 858 |
| Kotliar | G | 29 | 91 | 2609 | 859 |
| Vonbrentano | P | 10 | 256 | 2607 | 860 |
| Aubert | JJ | 38 | 68 | 2607 | 860 |
| Rieke | GH | 26 | 100 | 2606 | 862 |
| Narayan | R | 24 | 110 | 2606 | 862 |
| Rosner | JL | 23 | 112 | 2603 | 864 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|----|--------------------------|---------------------------|------------------------|------------------------------------|
| Gunion | JF | 25 | 105 | 2603 | 864 |
| Trippe | TG | 325 | 8 | 2603 | 864 |
| Oke | JB | 36 | 72 | 2601 | 867 |
| Watanabe | M | 6.8 | 383 | 2601 | 867 |
| Takahashi | H | 5.8 | 451 | 2601 | 867 |
| Wohl | CG | 372 | 7 | 2601 | 867 |
| Satz | H | 27 | 95 | 2600 | 871 |
| Kato | T | 6.9 | 379 | 2599 | 872 |
| Goodenough | JB | 20 | 129 | 2599 | 872 |
| Allison | J | 14 | 183 | 2598 | 874 |
| Gosele | U | 28 | 94 | 2597 | 875 |
| Stringfellow | GB | 18 | 144 | 2596 | 876 |
| Shelton | RN | 13 | 199 | 2596 | 876 |
| Azuolos | G | 14 | 182 | 2595 | 878 |
| Inokuchi | H | 18 | 145 | 2592 | 879 |
| Seaton | CT | 31 | 83 | 2592 | 879 |
| Renzini | A | 66 | 39 | 2592 | 879 |
| Regnault | LP | 21 | 121 | 2590 | 882 |
| Peyghambarian | N | 16 | 163 | 2590 | 882 |
| Pollak | FH | 18 | 141 | 2586 | 884 |
| Elias | JH | 56 | 46 | 2585 | 885 |
| Yamashita | T | 8.3 | 313 | 2585 | 885 |
| Murata | K | 10 | 251 | 2583 | 887 |
| Sundgren | JE | 19 | 136 | 2582 | 888 |
| Geshkenbein | VO | 63 | 41 | 2580 | 889 |
| Bhatt | RN | 32 | 80 | 2578 | 890 |
| Sheng | ZZ | 34 | 75 | 2577 | 891 |
| Pringle | JE | 30 | 87 | 2576 | 892 |
| Filippenko | AV | 20 | 130 | 2576 | 892 |
| Weiner | AM | 34 | 76 | 2575 | 894 |
| Asano | H | 15 | 167 | 2574 | 895 |
| Heyde | K | 17 | 155 | 2574 | 895 |
| Siggia | ED | 51 | 58 | 2573 | 897 |
| Hagelin | JS | 63 | 41 | 2573 | 897 |
| Altarelli | G | 49 | 52 | 2569 | 899 |
| Allamandola | LJ | 39 | 66 | 2568 | 900 |
| Solomon | PM | 38 | 67 | 2568 | 900 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Itoh | M | 7.2 | 358 | 2568 | 900 |
| Engler | EM | 63 | 41 | 2567 | 903 |
| Marinari | E | 25 | 103 | 2563 | 904 |
| Frank | LA | 26 | 97 | 2561 | 905 |
| Tanaka | T | 5.9 | 434 | 2558 | 906 |
| Sunshine | S | 285 | 9 | 2556 | 907 |
| Bassler | H | 25 | 101 | 2556 | 907 |
| Nakahara | S | 23 | 109 | 2555 | 909 |
| Henry | CH | 41 | 62 | 2554 | 910 |
| Phillips | MM | 32 | 81 | 2554 | 910 |
| Kendelewicz | T | 20 | 128 | 2554 | 910 |
| Stetson | PB | 45 | 57 | 2552 | 913 |
| Hewat | AW | 42 | 61 | 2552 | 913 |
| Wu | YS | 20 | 127 | 2552 | 913 |
| Girardello | L | 42 | 60 | 2549 | 916 |
| Sette | F | 31 | 82 | 2549 | 916 |
| Fischer | B | 22 | 114 | 2547 | 918 |
| Conti | PS | 37 | 68 | 2546 | 919 |
| Ruckenstein | AE | 62 | 41 | 2545 | 920 |
| Banks | T | 32 | 79 | 2543 | 921 |
| Wang | J | 5.4 | 468 | 2542 | 922 |
| Asman | B | 35 | 72 | 2540 | 923 |
| Cheng | ES | 82 | 31 | 2538 | 924 |
| Holt | SS | 58 | 44 | 2538 | 924 |
| Chang | KJ | 26 | 98 | 2537 | 926 |
| Vandenbergh | S | 14 | 187 | 2535 | 927 |
| Huchra | J | 84 | 30 | 2531 | 928 |
| Hinchliffe | I | 82 | 31 | 2528 | 929 |
| Cline | D | 32 | 80 | 2528 | 929 |
| Cittolin | S | 94 | 27 | 2527 | 931 |
| Ambjorn | J | 21 | 120 | 2527 | 931 |
| Srinivasan | R | 17 | 152 | 2522 | 933 |
| Cooper | AS | 41 | 62 | 2520 | 934 |
| Givord | D | 18 | 141 | 2520 | 934 |
| Hutchings | JB | 15 | 169 | 2519 | 936 |
| Sirlin | A | 48 | 52 | 2517 | 937 |
| Bowcock | TJV | 114 | 22 | 2517 | 937 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Vanderbilt | D | 35 | 72 | 2512 | 939 |
| Bohm | E | 46 | 55 | 2508 | 940 |
| Ito | T | 6.3 | 400 | 2507 | 941 |
| Mannhart | J | 42 | 60 | 2506 | 942 |
| Hernandez | JJ | 167 | 15 | 2506 | 942 |
| Almehed | S | 14 | 174 | 2506 | 942 |
| Grinstein | G | 37 | 68 | 2503 | 945 |
| Bird | IG | 72 | 35 | 2503 | 945 |
| Hiraga | K | 17 | 145 | 2499 | 947 |
| Krolik | JH | 37 | 68 | 2498 | 948 |
| Meissner | UG | 29 | 121 | 2498 | 948 |
| Hafner | J | 14 | 177 | 2497 | 950 |
| Dinger | TR | 96 | 26 | 2496 | 951 |
| Karpinski | J | 23 | 109 | 2495 | 952 |
| Kleiss | R | 36 | 69 | 2494 | 953 |
| Kaveh | M | 17 | 147 | 2493 | 954 |
| Suresh | S | 27 | 92 | 2492 | 955 |
| Zhang | YC | 26 | 94 | 2489 | 956 |
| Mori | M | 12 | 215 | 2488 | 957 |
| Dejong | T | 33 | 76 | 2486 | 958 |
| Grant | IP | 39 | 63 | 2486 | 958 |
| Blitz | L | 42 | 59 | 2485 | 960 |
| Lannoo | M | 18 | 139 | 2485 | 960 |
| Huang | TC | 36 | 69 | 2485 | 960 |
| Morris | M | 30 | 82 | 2484 | 963 |
| Herbst | E | 24 | 102 | 2483 | 964 |
| Marcus | PM | 22 | 115 | 2483 | 964 |
| Mason | KO | 19 | 132 | 2482 | 966 |
| Kiefl | RF | 21 | 119 | 2482 | 966 |
| Brasse | FW | 45 | 55 | 2482 | 966 |
| Cliff | RW | 92 | 27 | 2481 | 969 |
| Takayamamuromachi | | 30 | 83 | 2481 | 969 |
| Beichman | CA | 43 | 58 | 2481 | 969 |
| Maradudin | AA | 13 | 191 | 2481 | 969 |
| Rao | CNR | 12 | 212 | 2479 | 973 |
| Djorgovski | S | 27 | 91 | 2477 | 974 |
| Moodenbaugh | AR | 39 | 64 | 2476 | 975 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Nappi | CR | 92 | 27 | 2475 | 976 |
| Zwirner | F | 54 | 46 | 2475 | 976 |
| Reihl | B | 24 | 104 | 2470 | 978 |
| Rubakov | VA | 30 | 82 | 2470 | 978 |
| Angell | CA | 27 | 91 | 2469 | 980 |
| Wolf | A | 23 | 109 | 2468 | 981 |
| Barlow | RJ | 15 | 170 | 2468 | 981 |
| Tachiki | M | 14 | 175 | 2467 | 983 |
| Strom | KM | 44 | 56 | 2466 | 984 |
| Shuryak | EV | 35 | 71 | 2465 | 985 |
| People | R | 70 | 35 | 2464 | 986 |
| Beaufays | J | 51 | 48 | 2463 | 987 |
| Kenyon | SJ | 27 | 92 | 2462 | 988 |
| Shayegan | M | 19 | 133 | 2462 | 988 |
| Haug | H | 19 | 128 | 2461 | 990 |
| Pettini | M | 26 | 95 | 2460 | 991 |
| Chollet | JC | 52 | 47 | 2459 | 992 |
| Moruzzi | VL | 38 | 65 | 2458 | 993 |
| Lagally | MG | 23 | 106 | 2458 | 993 |
| Pounds | KA | 34 | 72 | 2457 | 995 |
| Weibel | E | 491 | 5 | 2455 | 996 |
| Nucker | N | 42 | 58 | 2454 | 997 |
| Gulkis | S | 57 | 43 | 2454 | 997 |
| Sunshine | SA | 94 | 26 | 2454 | 997 |
| Migus | A | 29 | 85 | 2450 | 1000 |
| Maekawa | S | 12 | 199 | 2449 | 1001 |
| Janssens | RVF | 15 | 164 | 2449 | 1001 |
| Manchester | RN | 23 | 106 | 2448 | 1003 |
| Lyndenbell | D | 24 | 100 | 2447 | 1004 |
| Kulkarni | SR | 23 | 106 | 2444 | 1005 |
| Stroud | D | 18 | 136 | 2442 | 1006 |
| Thurston | TR | 46 | 53 | 2438 | 1007 |
| Harris | WE | 26 | 95 | 2437 | 1008 |
| Smith | AB | 44 | 56 | 2436 | 1009 |
| Yamaguchi | Y | 7.7 | 316 | 2436 | 1009 |
| Hartmann | H | 26 | 95 | 2433 | 1011 |
| Diamond | RM | 17 | 140 | 2432 | 1012 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|----|--------------------------|---------------------------|------------------------|------------------------------------|
| Wheeler | JC | 25 | 97 | 2432 | 1012 |
| Schlesinger | Z | 50 | 49 | 2431 | 1014 |
| Wang | HH | 17 | 140 | 2431 | 1014 |
| Peeters | FM | 12 | 196 | 2428 | 1016 |
| Debouard | X | 45 | 54 | 2427 | 1017 |
| Ching | WY | 14 | 171 | 2424 | 1018 |
| Schneider | J | 13 | 184 | 2422 | 1019 |
| Zhang | J | 7.1 | 340 | 2420 | 1020 |
| Eichten | E | 86 | 28 | 2419 | 1021 |
| Kimble | HJ | 29 | 83 | 2419 | 1021 |
| Ahmed | H | 15 | 157 | 2419 | 1021 |
| Hermsen | W | 24 | 100 | 2419 | 1021 |
| Peterson | BA | 35 | 70 | 2418 | 1025 |
| Iye | Y | 22 | 108 | 2418 | 1025 |
| Ogawara | Y | 36 | 68 | 2416 | 1027 |
| Biegelsen | DK | 37 | 65 | 2416 | 1027 |
| Truran | JW | 28 | 87 | 2416 | 1027 |
| Faurie | JP | 17 | 146 | 2415 | 1030 |
| Liu | CT | 19 | 124 | 2415 | 1030 |
| Langer | WD | 38 | 63 | 2415 | 1030 |
| Eaves | L | 12 | 208 | 2414 | 1033 |
| Nagel | SR | 32 | 76 | 2413 | 1034 |
| Gotze | W | 40 | 60 | 2412 | 1035 |
| Collins | RT | 46 | 52 | 2412 | 1035 |
| Tanihata | I | 28 | 85 | 2411 | 1037 |
| Houck | JR | 33 | 73 | 2409 | 1038 |
| Saito | T | 5.8 | 416 | 2409 | 1038 |
| Abe | Y | 8.1 | 299 | 2407 | 1040 |
| Melloch | MR | 13 | 183 | 2407 | 1040 |
| Canizares | CR | 38 | 64 | 2407 | 1040 |
| Olson | RE | 16 | 152 | 2407 | 1040 |
| Feldman | U | 14 | 174 | 2406 | 1044 |
| White | SR | 41 | 59 | 2406 | 1044 |
| Vanwees | BJ | 48 | 50 | 2404 | 1046 |
| Enomoto | Y | 15 | 165 | 2403 | 1047 |
| Renard | JP | 18 | 131 | 2398 | 1048 |
| Lynn | KG | 18 | 135 | 2397 | 1049 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Gidia | IM | 37 | 65 | 2397 | 1049 |
| Syono | Y | 13 | 191 | 2396 | 1051 |
| Cannell | DS | 34 | 70 | 2396 | 1051 |
| Prinz | GA | 17 | 141 | 2395 | 1053 |
| Abbott | LF | 57 | 42 | 2394 | 1054 |
| Kleinman | DA | 100 | 24 | 2394 | 1054 |
| Hasegawa | A | 10 | 238 | 2394 | 1054 |
| Foltz | CB | 24 | 100 | 2393 | 1057 |
| Aichelin | J | 33 | 73 | 2392 | 1058 |
| Wiegmann | PB | 56 | 43 | 2390 | 1059 |
| Antonetti | A | 23 | 104 | 2389 | 1060 |
| Soukoulis | CM | 19 | 125 | 2389 | 1060 |
| Adeva | B | 35 | 68 | 2387 | 1062 |
| Swendsen | RH | 54 | 44 | 2386 | 1063 |
| Chu | S | 45 | 53 | 2386 | 1063 |
| Gatley | I | 27 | 87 | 2384 | 1065 |
| Persson | SE | 43 | 56 | 2380 | 1066 |
| Egami | T | 18 | 133 | 2378 | 1067 |
| Haller | EE | 11 | 215 | 2377 | 1068 |
| Sipe | JE | 17 | 143 | 2377 | 1068 |
| Miura | N | 6.9 | 345 | 2376 | 1070 |
| Diamond | PH | 17 | 138 | 2374 | 1071 |
| Campbell | EM | 42 | 57 | 2374 | 1071 |
| Bader | SD | 20 | 118 | 2373 | 1073 |
| Jones | GAC | 13 | 187 | 2372 | 1074 |
| Knapp | GR | 40 | 60 | 2371 | 1075 |
| Burke | PG | 18 | 130 | 2371 | 1075 |
| Dalibard | J | 51 | 46 | 2368 | 1077 |
| Ito | H | 7.1 | 335 | 2366 | 1078 |
| Smith | DL | 14 | 168 | 2366 | 1078 |
| Mollenauer | LF | 42 | 56 | 2365 | 1080 |
| Thomas | GA | 38 | 62 | 2365 | 1080 |
| Puska | MJ | 30 | 78 | 2365 | 1080 |
| Claus | H | 38 | 63 | 2364 | 1083 |
| Kogan | VG | 45 | 53 | 2363 | 1084 |
| Semenoff | GW | 25 | 94 | 2363 | 1084 |
| Lubensky | TC | 25 | 95 | 2362 | 1086 |

| Author name | | average cites | total articles | total cites | rank by total citations |
|--------------------|-----|--------------------------|---------------------------|------------------------|------------------------------------|
| Akasofu | SI | 17 | 139 | 2359 | 1087 |
| Ahlers | G | 21 | 113 | 2359 | 1087 |
| Weber | W | 19 | 122 | 2358 | 1089 |
| Shechtman | D | 60 | 39 | 2358 | 1089 |
| Carr | J | 41 | 57 | 2356 | 1091 |
| Kumar | A | 4.8 | 494 | 2355 | 1092 |
| Delfino | M | 21 | 111 | 2349 | 1093 |
| Schetzina | JF | 18 | 133 | 2348 | 1094 |
| Fischer | HM | 29 | 81 | 2347 | 1095 |
| Burlet | P | 16 | 151 | 2347 | 1095 |
| Braunschweig | W | 29 | 80 | 2346 | 1097 |
| Chiang | S | 60 | 39 | 2345 | 1098 |
| Thomas | G | 12 | 200 | 2345 | 1098 |
| Ohta | T | 10 | 227 | 2345 | 1098 |
| Kolb | EW | 23 | 100 | 2344 | 1101 |
| Mourou | G | 27 | 88 | 2343 | 1102 |
| Ritchie | DA | 11 | 214 | 2341 | 1103 |
| Ho | PTP | 21 | 114 | 2339 | 1104 |
| Paschmann | G | 38 | 62 | 2339 | 1104 |
| Morrison | RJ | 123 | 19 | 2339 | 1104 |
| Tully | RB | 57 | 41 | 2339 | 1104 |
| Goldman | AM | 16 | 143 | 2338 | 1108 |
| Stoffel | NG | 28 | 83 | 2336 | 1109 |
| Klein | U | 17 | 141 | 2336 | 1109 |
| Toki | H | 15 | 156 | 2335 | 1111 |
| Vanderlaan | G | 27 | 88 | 2333 | 1112 |
| Henkel | C | 17 | 134 | 2332 | 1113 |
| Levi | AFJ | 21 | 110 | 2332 | 1113 |
| Deutscher | G | 16 | 147 | 2332 | 1113 |
| Jones | C | 34 | 69 | 2332 | 1113 |
| Lin | CD | 16 | 150 | 2331 | 1117 |
| Burlaga | LF | 24 | 98 | 2331 | 1117 |
| Martyn | HU | 32 | 72 | 2329 | 1119 |
| Fischer | P | 8 | 292 | 2328 | 1120 |

ISI's 50 Most Cited Chemists, 1981-June 1997

Ranked by Total Citations

The Research Department of the "Institute for Scientific Information" (ISI), the publisher of *Current Contents*® has compiled a list of the 50 Most Cited Physicists. The list is based on papers published between 1981 and June 1997. See the "Notes and Elaborations" immediately following this list for further information about how the list was compiled. The originator of this research is: David A. Pendlebury

Tel.: 215-386-0100, ext. 1411

Analyst, Research Department

Fax: 215-387-1266

Institute for Scientific Information, Inc.

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3501 Market Street

Philadelphia, PA 19104 USA

This information can be found on the web page of the University of Lemans, France, at:

<http://pcb4122.univ-lemans.fr/citation.html>. A complete list of ISI's 10,858 Most Cited Chemists can be found at: <http://pcb4122.univ-lemans.fr/chimie/chimistes.html>.

| Name | Papers | Citations | Cites/Paper |
|----------------|---------|-----------|-------------|
| 1-10 | | | |
| A.Bax | 152 | 21655 | 142.47 |
| J.A.Pople | 176 | 14044 | 79.8 |
| P.V.Schleyer | 525 | 13559 | 25.83 |
| R.R.Ernst | [N] 182 | 13069 | 71.81 |
| G.M.Whitesides | 318 | 12310 | 38.71 |
| H.F.Schaefer | 515 | 11921 | 23.15 |
| J.C.Huffman | 577 | 11654 | 20.2 |
| A.L.Rheingold | 830 | 11317 | 13.63 |
| D.Seebach | 349 | 11275 | 32.31 |
| J.M.Lehn | [N] 307 | 10823 | 35.25 |
| 11-20 | | | |
| T.J.Meyer | 267 | 10490 | 39.29 |
| R.E.Smalley | [N] 96 | 10456 | 108.92 |
| A.J.Bard | 333 | 10365 | 31.13 |
| D.G.Truhlar | 328 | 10310 | 31.43 |
| J.J.P.Stewart | 39 | 10179 | 261 |
| E.J.Corey | [N] 303 | 10129 | 33.43 |
| F.A.Cotton | 634 | 9911 | 15.63 |
| P.A.Kollman | 140 | 9703 | 69.31 |
| M.J.S.Dewar | 119 | 9701 | 81.52 |
| W.L.Jorgensen | 154 | 9695 | 62.95 |
| 21-30 | | | |
| R.N.Zare | 290 | 9617 | 33.16 |

| Name | | Papers | Citations | Cites/Paper |
|------------------|-----|---------------|------------------|--------------------|
| B.M.Trost | | 332 | 9302 | 28.02 |
| C.W.Bauschlicher | | 351 | 9139 | 26.04 |
| A.H.White | | 866 | 9107 | 10.52 |
| R.Taylor | | 221 | 9020 | 40.81 |
| R.J.Bartlett | | 251 | 8984 | 35.79 |
| G.A.Somorjai | | 328 | 8958 | 27.31 |
| K.N.Houk | | 287 | 8654 | 30.15 |
| T.J.Marks | | 217 | 8366 | 38.55 |
| S.J.Lippard | | 230 | 8342 | 36.27 |
| 31-40 | | | | |
| K.Raghavachari | | 123 | 8272 | 67.25 |
| R.Hoffmann | [N] | 248 | 8269 | 33.34 |
| A.H.Zewail | | 211 | 8208 | 38.9 |
| J.L.Atwood | | 348 | 8109 | 23.3 |
| M.B.Hursthouse | | 659 | 8008 | 12.15 |
| J.M.White | | 367 | 7961 | 21.69 |
| K.B.Sharpless | | 148 | 7931 | 53.59 |
| R.Freeman | | 151 | 7961 | 52.32 |
| D.J.Williams | | 656 | 7761 | 11.83 |
| R.R.Schrock | | 235 | 7725 | 32.87 |
| 41-50 | | | | |
| H.W.Kroto | [N] | 140 | 7514 | 53.67 |
| M.Karplus | | 141 | 7459 | 52.9 |
| G.M.Sheldrick | | 441 | 7453 | 16.9 |
| D.A.Evans | | 148 | 7409 | 50.06 |
| L.A.Paquette | | 529 | 7402 | 13.99 |
| G.Ertl | | 242 | 7347 | 30.36 |
| K.C.Nicolaou | | 228 | 7337 | 32.18 |
| R.Noyori | | 183 | 7281 | 39.79 |
| W.A.Herrmann | | 387 | 7337 | 18.57 |
| D.H.R.Barton | [N] | 407 | 7183 | 17.65 |

[N] = Nobel laureate.

Notes and Elaborations

By David Pendlebury

The following data are offered for your interest. I recently searched the ISI database, 1981-June 1997, for all chemistry papers and their citation counts (how many times they were cited) through 1997. I then

summarized the data by author name (ISI indexes all authors on a paper, not just first author). Thus, the statistics below represent so-called all-author counts.

It is important to recognize what I surveyed and what I did not. The data represent citations recorded over 1981-June 1997 to ISI-indexed chemistry papers 1981-June 1997, and do not represent citations to books, to pre-1980 papers indexed by ISI, or to any papers not indexed by ISI during 1981-June 97. We have defined chemistry as any paper appearing in journals that ISI has classified as chemistry, organic chemistry, physical chemistry, chemical engineering, analytical chemistry and all chemistry subfields used for Current Contents.

There were some 627,871 unique author names found in the set. Only 10,858 (1.7%) were cited 500 times or more. The 50 names below appear on the top of the first page of a printout of the authors cited 500 times or more that runs about 100 pages. These 50 highly cited chemists represent the top .01% worldwide in terms of total citations.

Seven Nobel laureates appear (marked by [N]), and I bet another 6-10 listed here are Nobel laureates-to-be (time will tell if this forecast is accurate). Lists like this one compiled over the last few decades have contained the names of many laureates-to-be. See E. Garfield and A. Welljams-Dorof, "Of Nobel Class: A Citation Perspective on High Impact Research Authors," *Theoretical Medicine*, 13:117-35, 1992, for an overview.