

**SCIENTIST RANKINGS IN GEOSCIENCES
BASED ON TOTAL CITATIONS**

Data from Thomson Scientific's Essential Science Indicators, January 1, 1997-
October 31, 2007

| Rank | Scientist | Papers | Citations | Citations Per Paper |
|-------------|--|---------------|------------------|----------------------------|
| 1 | JACOB, Daniel J. Harvard University, Cambridge, MA, USA | 142 | 5,141 | 36.20 |
| 2 | KAUFMAN, Yoram J. (deceased) Formerly NASA Goddard Space Flight Center, Greenbelt, MD, USA | 111 | 5,019 | 45.22 |
| 3 | WALLACE, John M. University of Washington, Seattle, WA, USA | 41 | 4,772 | 116.39 |
| 4 | CRUTZEN, Paul J. Emeritus, Max Planck Institute for Chemistry, Mainz, Germany | 111 | 4,742 | 42.72 |
| 5 | HOLBEN, Brent N. NASA Goddard Space Flight Center, Greenbelt, MD, USA | 121 | 4,660 | 38.51 |
| 6 | STUIVER, Minze Emeritus, University of Washington, Seattle, WA, USA | 19 | 4,510 | 237.37 |
| 7 | BARD, Edouard G. University Aix-Marseille 3, CERGE, CNRS UMR 6536, Aix-en-Provence, France | 57 | 4,457 | 78.19 |
| 8 | JOUZEL, Jean CEA and Institute Pierre Simon Laplace, CNRS UMR 1572, Gif-sur-Yvette, France | 116 | 4,430 | 38.19 |

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|-----------|--|-----|-------|-------|
| 9 | JONES, Philip D. University of East Anglia, Norwich, England | 111 | 4,294 | 38.68 |
| 10 | SEINFELD, John H. California Institute of Technology, Pasadena, CA, USA | 124 | 4,139 | 33.38 |

The data above were extracted from Thomson Scientific's Essential Science Indicators database. This database, currently covering the period January 1997 to October 2007, surveys only journal articles (original research reports and review articles) indexed by Thomson Scientific. Articles are assigned to a category based on the journals in which they were published and Thomson Scientific's journal-to-category field definition scheme. Both articles tabulated and citation counts to those articles are for the period indicated. Naturally, scientists publishing large numbers of papers have a greater likelihood of collecting more citations than scientists publishing fewer papers. This ranking is by total citations. For articles with multiple authors, each author receives full, not fractional, citation credit. Another ranking could be based on citations per paper, which reveals weighted impact. Essential Science Indicators lists authors ranked in the top 1% for a field over a given period, based on total citations. For the current version, 2,142 authors are listed in the field of geosciences, meaning that a total of 214,200 author records were reviewed to obtain these results. The listing is dominated by researchers working on atmospheric science and climatology, an indication of recent scientific interest and progress in the subject of climate change. For more information on Thomson Scientific's Essential Science Indicators, see <http://scientific.thomson.com/products/esi>.