

NOAA RESEARCH AUTHORS IN “ISI HIGHLY CITED”

Data summary compiled 9 February 2004

NOAA research is prominent in a listing of “highly cited” researchers in the geosciences. The list is compiled by ISI Thompson Scientific, in whose business portfolio is the tracking of the citations of scientific papers by the worldwide scientific community. The “ISI Highly Cited” index features “The World’s Most Influential Researchers” by determining the most-cited authors in each of a dozen research fields over the period 1981-1999. As noted by ISI Thompson Scientific, “Citation is a key measure of influence in science and technology, because it is a highly informed decision.” Namely, it is a decision formed by independent input from peers. Researchers on the list are considered to have formed or changed the course of research on a subject.

CATEGORIES IN THE ISI DATABASE:

| | | |
|------------------------------|---------------------|-----------------------|
| Molecular Biology & Genetics | Clinical Medicine | Economics/Business |
| Biology and Biochemistry | Space Sciences | Psychology/Psychiatry |
| Immunology | Ecology/Environment | Computer Science |
| Microbiology | Mathematics | Chemistry |
| Pharmacology | Geosciences | Engineering |
| Agricultural Sciences | Materials Science | Neuroscience |
| Plant and Animal Science | Social Sciences | Physics |

GEOSCIENCES CATEGORY

Scope of the journals in ISI’s Geosciences category

Geology, geochemistry, geophysics, geotechnics, economic geology, petrochemistry, mineralogy, meteorology and atmospheric sciences, oceanography, petroleum geology, volcanology, seismology, climatology, paleontology, remote sensing, geodesy, and geological, petroleum, and mining engineering.

Number of “Highly Cited Researchers” in Geosciences, all affiliations: 248

From the ISI webpage (<http://isihighlycited.com>), click “Browse through our list of researchers.” On the next screen, select the “Geosciences” category and then hit “Go.” The names of the 248 researchers appear in groups of 50, which are listed on 5 sequential webpages.

Total Number in NOAA: 10

OAR Aeronomy Lab (Boulder, CO): 7 [Fahey, Fehsenfeld, Kelly, Parrish, Proffitt, Solomon, and Tuck]

OAR Climate Monitoring and Diagnostics Lab (Boulder, CO): 2 [Hofmann and Tans]

NESDIS National Climatic Data Center (Asheville, NC) : 1 [Karl]

Total Number at other frequently cited institutions:

University of California: 17, including 5 at UCLA, 4 at UC Berkeley, and 3 at UC Irvine

NASA: 15, including 7 at Goddard, 3 at each of Ames and Langley, and 2 at GISS

Harvard University: 8

Australian National University: 8

National Center for Atmospheric Research: 7

Woods Hole: 6

Lamont Doherty: 6

University of Cambridge, U.K.: 6