

# Marcia McNutt

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7237213/marcia-mcnutt-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78  
papers

6,565  
citations

38  
h-index

79  
g-index

180  
ext. papers

7,695  
ext. citations

24.7  
avg, IF

6.4  
L-index

#	Paper	IF	Citations
78	Promoting diversity and inclusion in STEMM starts at the top. <i>Nature Medicine</i> , <b>2021</b> , 27, 1864-1865	50.5	2
77	Reply to Kornfeld and Titus: No distraction from misconduct. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 42	11.5	
76	Overdue: a US advisory board for research integrity. <i>Nature</i> , <b>2019</b> , 566, 173-175	50.4	3
75	Academies' action plan for germline editing. <i>Nature</i> , <b>2019</b> , 567, 175	50.4	7
74	Opinion: "Plan S" falls short for society publishers-and for the researchers they serve. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2400-2403	11.5	20
73	Reply to Kiley and Smits: Meeting Plan S's goal of maximizing access to research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5861	11.5	1
72	Signaling the trustworthiness of science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19231-19236	11.5	16
71	Transparency in authors' contributions and responsibilities to promote integrity in scientific publication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2557-2560	11.5	134
70	The grand challenges of. <i>Science Robotics</i> , <b>2018</b> , 3,	18.6	464
69	Fostering reproducibility in industry-academia research. <i>Science</i> , <b>2017</b> , 357, 759-761	33.3	25
68	Editorial retraction. <i>Science</i> , <b>2016</b> , 351, 569	33.3	2
67	Fast horses. <i>Science</i> , <b>2016</b> , 352, 1497-1497	33.3	
66	Editorial expression of concern. <i>Science</i> , <b>2016</b> , 351, 348	33.3	
65	RESEARCH INTEGRITY. Liberating field science samples and data. <i>Science</i> , <b>2016</b> , 351, 1024-6	33.3	47
64	Science stands by 2009 fisheries study. <i>Science</i> , <b>2016</b> , 353, 131	33.3	3
63	Enhancing reproducibility for computational methods. <i>Science</i> , <b>2016</b> , 354, 1240-1241	33.3	185
62	Climate Intervention: Possible Impacts on Global Security and Resilience. <i>Engineering</i> , <b>2016</b> , 2, 50-51	9.7	13

61	SCIENTIFIC STANDARDS. Promoting an open research culture. <i>Science</i> , <b>2015</b> , 348, 1422-5	33.3	1166
60	SCIENTIFIC INTEGRITY. Self-correction in science at work. <i>Science</i> , <b>2015</b> , 348, 1420-2	33.3	87
59	Happy Birthday Science Advances!. <i>Science Advances</i> , <b>2015</b> , 1, e1500088	14.3	
58	Editorial expression of concern. <i>Science</i> , <b>2014</b> , 344, 1460	33.3	5
57	HIV cover ill-advised--response. <i>Science</i> , <b>2014</b> , 345, 739	33.3	2
56	Temperature Beneath Midplate Swells: The Inverse Problem. <i>Geophysical Monograph Series</i> , <b>2013</b> , 123-132		16
55	Science in support of the Deepwater Horizon response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20212-21	11.5	102
54	Scientific basis for safely shutting in the Macondo Well after the April 20, 2010 Deepwater Horizon blowout. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20268-73	11.5	26
53	Review of flow rate estimates of the Deepwater Horizon oil spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20260-7	11.5	374
52	Applications of science and engineering to quantify and control the Deepwater Horizon oil spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20222-8	11.5	95
51	OCEAN POLICY   Black Swans, Wicked Problems, and Science During Crises. <i>Oceanography</i> , <b>2011</b> , 24, 318-320	2.3	7
50	Disasters. Scenario-building for the Deepwater Horizon oil spill. <i>Science</i> , <b>2010</b> , 329, 1018-9	33.3	31
49	Geophysics. Another nail in the plume coffin?. <i>Science</i> , <b>2006</b> , 313, 1394-5	33.3	12
48	Publication timeliness. <i>Eos</i> , <b>2001</b> , 82, 297-297	1.5	
47	A shallow, chemical origin for the Marquesas Swell. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2000</b> , 1, n/a-n/a	3.6	43
46	Results of the Basin and Range Geoscientific Experiment (BARGE): A marine-style seismic reflection survey across the eastern boundary of the central Basin and Range Province. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2000</b> , 1, n/a-n/a	3.6	2
45	Pacific-Farallon relative motion 42-59 Ma determined from magnetic and tectonic data from the Southern Austral Islands. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 2869-2872	4.9	4
44	Superswells. <i>Reviews of Geophysics</i> , <b>1998</b> , 36, 211-244	23.1	138

43	Failure of plume theory to explain midplate volcanism in the southern Austral islands. <i>Nature</i> , <b>1997</b> , 389, 479-482	50.4	120
42	Modal depths from shipboard bathymetry: There is a south pacific superswell. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 3397-3400	4.9	15
41	Mapping the seafloor from space. <i>Endeavour</i> , <b>1996</b> , 20, 157-161	0.5	1
40	Crustal structure of the Tuamotu Plateau, 15 <sup>°</sup> S, and implications for its origin. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 8097-8114		51
39	Marine geodynamics: Depth-age revisited. <i>Reviews of Geophysics</i> , <b>1995</b> , 33, 413	23.1	10
38	Volcanism and archipelagic aprons in the Marquesas and Hawaiian Islands. <i>Marine Geophysical Researches</i> , <b>1994</b> , 16, 385-406	2.3	41
37	Evidence from gravity and topography data for folding of Tibet. <i>Nature</i> , <b>1994</b> , 371, 669-674	50.4	102
36	Yellowstone: A continental midplate (hot spot) swell. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 1703-1706	4.9	6
35	The effects of changes in plate motions on the shape of the Marquesas Fracture Zone. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 2845-2848	4.9	7
34	Gravity Field over Northern Eurasia and Variations in the Strength of the Upper Mantle. <i>Science</i> , <b>1993</b> , 259, 473-9	33.3	29
33	Implications of new gravity data for Baikal rift zone structure. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 1635-1638	4.9	36
32	Shear strength of the Great Pacific Fracture Zones. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 2023-2026	4.9	10
31	Lithospheric extension near Lake Mead, Nevada: A model for ductile flow in the lower crust. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 4435-4456		149
30	The superswell and mantle dynamics beneath the South pacific. <i>Science</i> , <b>1990</b> , 248, 969-75	33.3	136
29	The Darwin Rise: A Cretaceous superswell?. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 1101-1104	4.9	46
28	Regional compensation of the Greater Caucasus mountains based on an analysis of Bouguer gravity data. <i>Earth and Planetary Science Letters</i> , <b>1990</b> , 98, 360-379	5.3	31
27	Geoid anomalies over the Canary Islands Group. <i>Marine Geophysical Researches</i> , <b>1989</b> , 11, 77-87	2.3	32
26	The origin of the Marquesas fracture zone ridge and its implications for the nature of hot spots. <i>Earth and Planetary Science Letters</i> , <b>1989</b> , 91, 381-393	5.3	58

25	Constraints on thermal and mechanical structure of the oceanic lithosphere at the Bermuda Rise from geoid height and depth anomalies. <i>Earth and Planetary Science Letters</i> , <b>1989</b> , 93, 377-391	5.3	22
24	Compensation of Paleozoic orogens: a comparison of the Urals to the Appalachians. <i>Tectonophysics</i> , <b>1988</b> , 154, 1-17	3.1	36
23	Thermal and mechanical properties of the Cape Verde Rise. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 2784		72
22	Oceanic Island Evolution: Islands . H. W. Menard. Scientific American Books, New York, 1987. xvi, 230 pp., illus. \$32.95. Scientific American Library, vol. 17.. <i>Science</i> , <b>1988</b> , 239, 513-513	33.3	
21	Lithospheric stress and deformation. <i>Reviews of Geophysics</i> , <b>1987</b> , 25, 1245	23.1	13
20	Extremal bounds on geotherms in eroding mountain belts from metamorphic pressure-temperature conditions. <i>Geophysical Journal International</i> , <b>1987</b> , 88, 81-95	2.6	10
19	Thermal and mechanical constraints on the lithosphere beneath the Marquesas swell. <i>Nature</i> , <b>1986</b> , 322, 733-736	50.4	40
18	Nonuniform magnetization of seamounts: A least squares approach. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 3686-3700		30
17	Role of subsurface loads and regional compensation in the isostatic balance of the transverse ranges, California: Evidence for intracontinental subduction. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 6419		82
16	Estimating the Compensation Depth of the Hawaiian Swell With Linear Filters. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 13915		70
15	Influence of plate subduction on isostatic compensation in northern California. <i>Tectonics</i> , <b>1983</b> , 2, 399-415	4.5	69
14	The Geoid: effect of compensated topography and uncompensated oceanic trenches. <i>Geophysical Research Letters</i> , <b>1982</b> , 9, 29-32	4.9	24
13	Evidence for and consequences of thermal rejuvenation. <i>Journal of Geophysical Research</i> , <b>1982</b> , 87, 8570		90
12	Constraints on yield strength in the oceanic lithosphere derived from observations of flexure. <i>Geophysical Journal International</i> , <b>1982</b> , 71, 363-394	2.6	165
11	Southern California uplift: is it or isn't it?*. <i>Eos</i> , <b>1981</b> , 62, 97	1.5	15
10	Paleomagnetism of northern Cocos seamounts: Constraints on absolute plate motion. <i>Geology</i> , <b>1981</b> , 9, 148	5	17
9	Implications of regional gravity for state of stress in the Earth's crust and upper mantle. <i>Journal of Geophysical Research</i> , <b>1980</b> , 85, 6377-6396		111
8	Reply [to Comments on Lithospheric flexure and uplifted atolls] <i>Journal of Geophysical Research</i> , <b>1979</b> , 84, 5695		10

7	Compensation of oceanic topography: An Application of the Response Function Technique to the Surveyor area. <i>Journal of Geophysical Research</i> , <b>1979</b> , 84, 7589-7598		100
6	Lithospheric flexure and uplifted atolls. <i>Journal of Geophysical Research</i> , <b>1978</b> , 83, 1206		180
5	A near-bottom geophysical traverse of the Reykjanes Ridge. <i>Earth and Planetary Science Letters</i> , <b>1978</b> , 39, 75-83	5.3	21
4	Isostasy in australia and the evolution of the compensation mechanism. <i>Science</i> , <b>1978</b> , 199, 773-5	33.3	76
3	Making Science Transparent By Default; Introducing the TOP Statement		9
2	A simple proposal for the publication of journal citation distributions		58
1	Transparency in Authors' Contributions and Responsibilities to Promote Integrity in Scientific Publication		7