

# Michael P Eddy

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,427  
citations

471509  
17  
h-index

794594  
19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1423  
citing authors

#	ARTICLE	IF	CITATIONS
1	U-Pb geochronology of the Deccan Traps and relation to the end-Cretaceous mass extinction. <i>Science</i> , 2015, 347, 182-184.	12.6	390
2	U-Pb constraints on pulsed eruption of the Deccan Traps across the end-Cretaceous mass extinction. <i>Science</i> , 2019, 363, 862-866.	12.6	304
3	Natural quasicrystal with decagonal symmetry. <i>Scientific Reports</i> , 2015, 5, 9111.	3.3	81
4	Impact-induced shock and the formation of natural quasicrystals in the early solar system. <i>Nature Communications</i> , 2014, 5, 4040.	12.8	71
5	Decagonite, Al <sub>71</sub> Ni <sub>24</sub> Fe <sub>5</sub> , a quasicrystal with decagonal symmetry from the Khatyrka CV3 carbonaceous chondrite. <i>American Mineralogist</i> , 2015, 100, 2340-2343.	1.9	61
6	Mercury linked to Deccan Traps volcanism, climate change and the end-Cretaceous mass extinction. <i>Global and Planetary Change</i> , 2020, 194, 103312.	3.5	59
7	Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29487-29494.	7.1	57
8	Khatyrka, a new CV3 find from the Koryak Mountains, Eastern Russia. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1499-1514.	1.6	44
9	Rapid assembly and crystallization of a fossil large-volume silicic magma chamber. <i>Geology</i> , 2016, 44, 331-334.	4.4	43
10	Small-volume baddeleyite (ZrO <sub>2</sub> ) U–Pb geochronology and Lu–Hf isotope geochemistry by LA-ICP-MS. <i>Techniques and applications. Chemical Geology</i> , 2014, 384, 149-167.	3.3	40
11	U-Pb zircon age constraints on the earliest eruptions of the Deccan Large Igneous Province, Malwa Plateau, India. <i>Earth and Planetary Science Letters</i> , 2020, 540, 116249.	4.4	40
12	Steinhardtite, a new body-centered-cubic allotropic form of aluminum from the Khatyrka CV3 carbonaceous chondrite. <i>American Mineralogist</i> , 2014, 99, 2433-2436.	1.9	37
13	An evaluation of Deccan Traps eruption rates using geochronologic data. <i>Geochronology</i> , 2021, 3, 181-198.	2.5	37
14	Timing of initial seafloor spreading in the Newfoundland-Iberia rift. <i>Geology</i> , 2017, 45, 527-530.	4.4	35
15	Geologic evidence for an icehouse Earth before the Sturtian global glaciation. <i>Science Advances</i> , 2020, 6, eaay6647.	10.3	25
16	High-resolution temporal and stratigraphic record of Siletzia's accretion and triple junction migration from nonmarine sedimentary basins in central and western Washington. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 425-441.	3.3	23
17	Half a million years of magmatic history recorded in a K-feldspar megacryst of the Tuolumne Intrusive Complex, California, USA. <i>Geology</i> , 2020, 48, 400-404.	4.4	22
18	GHR1 Zircon – A New Eocene Natural Reference Material for Microbeam U–Pb Geochronology and Hf Isotopic Analysis of Zircon. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 113-132.	3.1	18

#	ARTICLE	IF	CITATIONS
19	Transient rhyolite melt extraction to produce a shallow granitic pluton. Science Advances, 2021, 7, .	10.3	14
20	Age and volcanic stratigraphy of the Eocene Siletzia oceanic plateau in Washington and on Vancouver Island. Lithosphere, 0, , L650.1.	1.4	12
21	Constraints on the timescales and processes that led to high-SiO <sub>2</sub> rhyolite production in the Searchlight pluton, Nevada, USA. , 2022, 18, 1000-1019.		10
22	Stratigraphy, age, and provenance of the Eocene Chumstick basin, Washington Cascades; implications for paleogeography, regional tectonics, and development of strike-slip basins. Bulletin of the Geological Society of America, 0, , .	3.3	2
23	Eocene Basalt of Summit Creek: Slab breakoff magmatism in the central Washington Cascades, USA. Lithosphere, 0, , .	1.4	2
24	Astronomically forced hydrology of the Late Cretaceous sub-tropical Potosí-Basin, Bolivia. Bulletin of the Geological Society of America, 2020, 132, 1931-1952.	3.3	0
25	Stratigraphy, age, and provenance of the Eocene Chumstick basin, Washington Cascades; implications for paleogeography, regional tectonics, and development of strike-slip basins: Reply. Bulletin of the Geological Society of America, 0, , .	3.3	0