

Melissa J Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

557
citations

687363

13
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	No effect of thermal maturity on the Mo, U, Cd, and Zn isotope compositions of Lower Jurassic organic-rich sediments. <i>Geology</i> , 2022, 50, 598-602.	4.4	16
2	Multiple Ecosystem Effects of Extreme Weather Events in the Arctic. <i>Ecosystems</i> , 2021, 24, 122-136.	3.4	29
3	The lithium and magnesium isotope signature of olivine dissolution in soil experiments. <i>Chemical Geology</i> , 2021, 560, 120008.	3.3	9
4	New Constraints on Global Geochemical Cycling During Oceanic Anoxic Event 2 (Late Cretaceous) From a 6â€Millionâ€Year Long Molybdenumâ€Isotope Record. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009246.	2.5	5
5	Editorial: Novel Isotope Systems and Biogeochemical Cycling During Cryospheric Weathering in Polar Environments. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	0
6	Lithium isotope evidence for enhanced weathering and erosion during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , 2021, 7, eabh4224.	10.3	44
7	Controls on the Cd-isotope composition of Upper Cretaceous (Cenomanianâ€Turonian) organic-rich mudrocks from south Texas (Eagle Ford Group). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 251-262.	3.9	17
8	Hydrothermal and Cold Spring Water and Primary Productivity Effects on Magnesium Isotopes: Lake Myvatn, Iceland. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	4
9	Experimental determination of Li isotope behaviour during basalt weathering. <i>Chemical Geology</i> , 2019, 517, 34-43.	3.3	50
10	Tracing silicate weathering processes in the permafrost-dominated Lena River watershed using lithium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 154-171.	3.9	64
11	Stable silicon isotopic compositions of the Lena River and its tributaries: Implications for silicon delivery to the Arctic Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 241, 120-133.	3.9	21
12	Lithium isotope behaviour during weathering in the Ganges Alluvial Plain. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 17-31.	3.9	78
13	Characterisation of Fe-bearing particles and colloids in the Lena River basin, NE Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 213, 553-573.	3.9	45
14	The effect of hydrothermal spring weathering processes and primary productivity on lithium isotopes: Lake Myvatn, Iceland. <i>Chemical Geology</i> , 2016, 445, 4-13.	3.3	62
15	In-situ production of natural ²³⁶ U in groundwaters and ores in high-grade uranium deposits. <i>Chemical Geology</i> , 2015, 410, 213-222.	3.3	14
16	Fractionation of ²³⁸ U/ ²³⁵ U by reduction during low temperature uranium mineralisation processes. <i>Earth and Planetary Science Letters</i> , 2014, 388, 306-317.	4.4	68
17	Li Isotope Behaviour in the Low Salinity Zone During Estuarine Mixing. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 204-207.	0.6	5
18	Enriching mantle melts within a dying mid-ocean spreading ridge: Insights from Hf-isotope and trace element patterns in detrital oceanic zircon. <i>Lithos</i> , 2011, 126, 355-368.	1.4	15

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19	A detrital record of lower oceanic crust exhumation within a Miocene slow-spreading ridge: Macquarie Island, Southern Ocean. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 255-273.	3.3	11