

# 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	Lithium isotope behaviour during weathering in the Ganges Alluvial Plain. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 17-31.	3.9	78
2	Fractionation of $^{238}\text{U}/^{235}\text{U}$ by reduction during low temperature uranium mineralisation processes. <i>Earth and Planetary Science Letters</i> , 2014, 388, 306-317.	4.4	68
3	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
4	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
5	Experimental determination of Li isotope behaviour during basalt weathering. <i>Chemical Geology</i> , 2019, 517, 34-43.	3.3	50
6	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
7	Lithium isotope evidence for enhanced weathering and erosion during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , 2021, 7, eabh4224.	10.3	44
8	Multiple Ecosystem Effects of Extreme Weather Events in the Arctic. <i>Ecosystems</i> , 2021, 24, 122-136.	3.4	29
9	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
10	Controls on the Cd-isotope composition of Upper Cretaceous (Cenomanian–Turonian) organic-rich mudrocks from south Texas (Eagle Ford Group). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 251-262.	3.9	17
11	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
12	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
13	In-situ production of natural $^{236}\text{U}$ in groundwaters and ores in high-grade uranium deposits. <i>Chemical Geology</i> , 2015, 410, 213-222.	3.3	14
14	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
15	The lithium and magnesium isotope signature of olivine dissolution in soil experiments. <i>Chemical Geology</i> , 2021, 560, 120008.	3.3	9
16	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
17	New Constraints on Global Geochemical Cycling During Oceanic Anoxic Event 2 (Late Cretaceous) From a 6-Million-Year Long Molybdenum Isotope Record. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009246.	2.5	5
18	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

#	ARTICLE	IF	CITATIONS
19	Editorial: Novel Isotope Systems and Biogeochemical Cycling During Cryospheric Weathering in Polar Environments. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	0