

Tais W Dahl

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,803
citations

236925

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265206

42
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docs citations

45
times ranked

2510
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution carbon isotope chemostratigraphy of the middle Cambrian to lowermost Ordovician in southern Scandinavia: Implications for global correlation. <i>Global and Planetary Change</i> , 2022, 209, 103751.	3.5	18
2	A dynamic local-scale vegetation model for lycopsids (LYCOM v1.0). <i>Geoscientific Model Development</i> , 2022, 15, 2325-2343.	3.6	2
3	Uranium isotope evidence for extensive shallow water anoxia in the early Tonian oceans. <i>Earth and Planetary Science Letters</i> , 2022, 583, 117437.	4.4	12
4	Synchronizing rock clocks in the late Cambrian. <i>Nature Communications</i> , 2022, 13, 1990.	12.8	14
5	Land plant evolution and global erosion rates: Reply to Neil S. Davies and William J. McMahon. <i>Chemical Geology</i> , 2021, 573, 120167.	3.3	0
6	The Sedimentary Geochemistry and Paleoenvironments Project. <i>Geobiology</i> , 2021, 19, 545-556.	2.4	26
7	Paired U and Mo isotope evidence for pervasive anoxia in the Cryogenian early interglacial ocean. <i>Precambrian Research</i> , 2021, 361, 106244.	2.7	10
8	Sulfidic anoxia in the oceans during the Late Ordovician mass extinctions – insights from molybdenum and uranium isotopic global redox proxies. <i>Earth-Science Reviews</i> , 2021, 220, 103748.	9.1	30
9	Redox dynamics of later Cambrian oceans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 581, 110623.	2.3	23
10	Extensive marine anoxia associated with the Late Devonian Hangenberg Crisis. <i>Earth and Planetary Science Letters</i> , 2020, 533, 115976.	4.4	49
11	Estimating ancient seawater isotope compositions and global ocean redox conditions by coupling the molybdenum and uranium isotope systems of euxinic organic-rich mudrocks. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 76-103.	3.9	27
12	Astronomically forced climate change in the late Cambrian. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116475.	4.4	26
13	Anomalous marine calcium cycle linked to carbonate factory change after the Smithian Thermal Maximum (Early Triassic). <i>Earth-Science Reviews</i> , 2020, 211, 103418.	9.1	13
14	The impacts of land plant evolution on Earth's climate and oxygenation state – An interdisciplinary review. <i>Chemical Geology</i> , 2020, 547, 119665.	3.3	77
15	Comparison of Ediacaran platform and slope $\delta^{238}\text{U}$ records in South China: Implications for global-ocean oxygenation and the origin of the Shuram Excursion. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 111-124.	3.9	28
16	Untangling the diagenetic history of uranium isotopes in marine carbonates: A case study tracing the $\delta^{238}\text{U}$ composition of late Silurian oceans using calcitic brachiopod shells. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 93-110.	3.9	29
17	Two distinct episodes of marine anoxia during the Permian-Triassic crisis evidenced by uranium isotopes in marine dolostones. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 165-179.	3.9	55
18	Uranium isotopes in marine carbonates as a global ocean paleoredox proxy: A critical review. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 27-49.	3.9	63

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19	Brief oxygenation events in locally anoxic oceans during the Cambrian solves the animal breathing paradox. <i>Scientific Reports</i> , 2019, 9, 11669.	3.3	28
20	Atmosphere-ocean oxygen and productivity dynamics during early animal radiations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19352-19361.	7.1	72
21	Bioturbation and directionality in Earth's carbon isotope record across the Neoproterozoic-Cambrian transition. <i>Geobiology</i> , 2018, 16, 252-278.	2.4	25
22	Ocean redox conditions between the snowballs - Geochemical constraints from Arena Formation, East Greenland. <i>Precambrian Research</i> , 2018, 319, 173-186.	2.7	28
23	THE STABLE ISOTOPE GEOCHEMISTRY OF MOLYBDENUM. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 683-732.	4.8	191
24	Molybdenum isotope fractionation and speciation in a euxinic lake-Testing ways to discern isotope fractionation processes in a sulfidic setting. <i>Chemical Geology</i> , 2017, 460, 84-92.	3.3	20
25	Evidence of molybdenum association with particulate organic matter under sulfidic conditions. <i>Geobiology</i> , 2017, 15, 311-323.	2.4	77
26	16 Good Golly, Why Moly? THE STABLE ISOTOPE GEOCHEMISTRY OF MOLYBDENUM. , 2017, , 683-732.		9
27	Reply to Planavsky et al.: Strong evidence for high atmospheric oxygen levels 1,400 million years ago. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2552-3.	7.1	17
28	Identifying remnants of early Earth. <i>Science</i> , 2016, 352, 768-769.	12.6	1
29	Earliest land plants created modern levels of atmospheric oxygen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9704-9709.	7.1	236
30	Uranium isotopes distinguish two geochemically distinct stages during the later Cambrian SPICE event. <i>Earth and Planetary Science Letters</i> , 2014, 401, 313-326.	4.4	134
31	Stabilization of the coupled oxygen and phosphorus cycles by the evolution of bioturbation. <i>Nature Geoscience</i> , 2014, 7, 671-676.	12.9	104
32	Precise and accurate $\delta^{13}\text{C}$ analysis of rock samples using Flash Combustion-Cavity Ring Down Laser Spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 516.	3.0	26
33	Bacterial natural transformation by highly fragmented and damaged DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19860-19865.	7.1	170
34	Tracing euxinia by molybdenum concentrations in sediments using handheld X-ray fluorescence spectroscopy (HHXRF). <i>Chemical Geology</i> , 2013, 360-361, 241-251.	3.3	73
35	Combining sedimentological, trace metal (Mn, Mo) and molecular evidence for reconstructing past water-column redox conditions: The example of meromictic Lake Cadagno (Swiss Alps). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 220-238.	3.9	70
36	Molybdenum reduction in a sulfidic lake: Evidence from X-ray absorption fine-structure spectroscopy and implications for the Mo paleoproxy. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 103, 213-231.	3.9	120

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37	A sulfidic driver for the end-Ordovician mass extinction. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 128-139.	4.4	174
38	Molybdenum evidence for expansive sulfidic water masses in ~750Ma oceans. <i>Earth and Planetary Science Letters</i> , 2011, 311, 264-274.	4.4	102
39	Reply to Butterfield: The Devonian radiation of large predatory fish coincided with elevated atmospheric oxygen levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E29-E29.	7.1	0
40	The human impact on natural rock reserves using basalt, anorthosite, and carbonates as raw materials in insulation products. <i>International Geology Review</i> , 2011, 53, 894-904.	2.1	1
41	Do large predatory fish track ocean oxygenation?. <i>Communicative and Integrative Biology</i> , 2011, 4, 92-94.	1.4	14
42	Do large predatory fish track ocean oxygenation?. <i>Communicative and Integrative Biology</i> , 2011, 4, 92-4.	1.4	4
43	Devonian rise in atmospheric oxygen correlated to the radiations of terrestrial plants and large predatory fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17911-17915.	7.1	340
44	The behavior of molybdenum and its isotopes across the chemocline and in the sediments of sulfidic Lake Cadagno, Switzerland. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 144-163.	3.9	129
45	Turbulent mixing of metal and silicate during planet accretion and interpretation of the Hf-W chronometer. <i>Earth and Planetary Science Letters</i> , 2010, 295, 177-186.	4.4	136