Timothy W Lyons

List of Publications by Year
in descending order

32	8,917	201385 27	414034 32
papers	citations	h-index	g-index

34	34	34	5234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iron and manganese shuttle has no effect on sedimentary thallium and vanadium isotope signatures in Black Sea sediments. Geochimica Et Cosmochimica Acta, 2022, 317, 218-233.	1.6	12
2	Geochemical Records Reveal Protracted and Differential Marine Redox Change Associated With Late Ordovician Climate and Mass Extinctions. AGU Advances, 2022, 3, .	2.3	17
3	Reconciling evidence of oxidative weathering and atmospheric anoxia on Archean Earth. Science Advances, 2021, 7, eabj0108.	4.7	21
4	An expanded shale Î´98Mo record permits recurrent shallow marine oxygenation during the Neoarchean. Chemical Geology, 2020, 532, 119391.	1.4	15
5	Multiple negative molybdenum isotope excursions in the Doushantuo Formation (South China) fingerprint complex redox-related processes in the Ediacaran Nanhua Basin. Geochimica Et Cosmochimica Acta, 2019, 261, 191-209.	1.6	52
6	Experimental determination of pyrite and molybdenite oxidation kinetics at nanomolar oxygen concentrations. Geochimica Et Cosmochimica Acta, 2019, 249, 160-172.	1.6	28
7	Molybdenum record from black shales indicates oscillating atmospheric oxygen levels in the early Paleoproterozoic. Numerische Mathematik, 2018, 318, 275-299.	0.7	31
8	An evaluation of sedimentary molybdenum and iron as proxies for pore fluid paleoredox conditions. Numerische Mathematik, 2018, 318, 527-556.	0.7	63
9	Thallium isotopes reveal protracted anoxia during the Toarcian (Early Jurassic) associated with volcanism, carbon burial, and mass extinction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6596-6601.	3.3	113
10	Perspectives on Proterozoic surface ocean redox from iodine contents in ancient and recent carbonate. Earth and Planetary Science Letters, 2017, 463, 159-170.	1.8	172
11	Molybdenumâ€isotope chemostratigraphy and paleoceanography of the Toarcian Oceanic Anoxic Event (Early Jurassic). Paleoceanography, 2017, 32, 813-829.	3.0	59
12	Earthâ€™s oxygen cycle and the evolution of animal life. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8933-8938.	3.3	205
13	An iodine record of Paleoproterozoic surface ocean oxygenation. Geology, 2014, 42, 619-622.	2.0	111
14	The rise of oxygen in Earthâ€™s early ocean and atmosphere. Nature, 2014, 506, 307-315.	13.7	1,966
15	Coupled molybdenum, iron and uranium stable isotopes as oceanic paleoredox proxies during the Paleoproterozoic Shunga Event. Chemical Geology, 2013, 362, 193-210.	1.4	129
16	Proterozoic ocean redox and biogeochemical stasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5357-5362.	3.3	418
17	Sulfur isotopes track the global extent and dynamics of euxinia during Cretaceous Oceanic Anoxic Event 2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18407-18412.	3.3	127
18	Contrasting molybdenum cycling and isotopic properties in euxinic versus non-euxinic sediments and sedimentary rocks: Refining the paleoproxies. Chemical Geology, 2012, 324-325, 19-27.	1.4	509

#	Article	IF	Citations
19	Ocean oxygenation in the wake of the Marinoan glaciation. Nature, 2012, 489, 546-549.	13.7	420
20	A global perturbation to the sulfur cycle during the Toarcian Oceanic Anoxic Event. Earth and Planetary Science Letters, 2011, 312, 484-496.	1.8	122
21	Pervasive oxygenation along late Archaean ocean margins. Nature Geoscience, 2010, 3, 647-652.	5.4	233
22	A Stratified Redox Model for the Ediacaran Ocean. Science, 2010, 328, 80-83.	6.0	520
23	Molybdenum isotope evidence for mild environmental oxygenation before the Great Oxidation Event. Geochimica Et Cosmochimica Acta, 2010, 74, 6655-6668.	1.6	139
24	A Late Archean Sulfidic Sea Stimulated by Early Oxidative Weathering of the Continents. Science, 2009, 326, 713-716.	6.0	241
25	Behavior of carbonate-associated sulfate during meteoric diagenesis and implications for the sulfur isotope paleoproxy. Geochimica Et Cosmochimica Acta, 2008, 72, 4699-4711.	1.6	123
26	Modern iron isotope perspective on the benthic iron shuttle and the redox evolution of ancient oceans. Geology, 2008, 36, 487.	2.0	197
27	Late Archean Biospheric Oxygenation and Atmospheric Evolution. Science, 2007, 317, 1900-1903.	6.0	327
28	A Whiff of Oxygen Before the Great Oxidation Event?. Science, 2007, 317, 1903-1906.	6.0	822
29	Mo-total organic carbon covariation in modern anoxic marine environments: Implications for analysis of paleoredox and paleohydrographic conditions. Paleoceanography, 2006, 21, n/a-n/a.	3.0	802
30	A critical look at iron paleoredox proxies: New insights from modern euxinic marine basins. Geochimica Et Cosmochimica Acta, 2006, 70, 5698-5722.	1.6	492
31	Sulfur isotopic trends and pathways of iron sulfide formation in upper Holocene sediments of the anoxic Black Sea. Geochimica Et Cosmochimica Acta, 1997, 61, 3367-3382.	1.6	249
32	Carbon-sulfur-iron systematics of the uppermost deep-water sediments of the Black Sea. Chemical Geology, 1992, 99, 1-27.	1.4	181