Matthew T Hurtgen

List of Publications by Year
in descending order

30 papers	2,592 citations	304743 22 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	1973 citing authors

#	Article	IF	Citations
1	Neoproterozoic chemostratigraphy. Precambrian Research, 2010, 182, 337-350.	2.7	311
2	Methane-rich Proterozoic atmosphere?. Geology, 2003, 31, 87.	4.4	255
3	The sulfur isotopic composition of Neoproterozoic seawater sulfate: implications for a snowball Earth?. Earth and Planetary Science Letters, 2002, 203, 413-429.	4.4	240
4	Volcanic triggering of a biogeochemical cascade during Oceanic Anoxic Event 2. Nature Geoscience, 2010, 3, 201-204.	12.9	165
5	Cryogenian Glaciation and the Onset of Carbon-Isotope Decoupling. Science, 2010, 328, 608-611.	12.6	164
6	Neoproterozoic sulfur isotopes, the evolution of microbial sulfur species, and the burial efficiency of sulfide as sedimentary pyrite. Geology, 2005, 33, 41.	4.4	144
7	Sulfur cycling in the aftermath of a 635-Ma snowball glaciation: Evidence for a syn-glacial sulfidic deep ocean. Earth and Planetary Science Letters, 2006, 245, 551-570.	4.4	119
8	Ediacaran growth of the marine sulfate reservoir. Earth and Planetary Science Letters, 2007, 263, 32-44.	4.4	112
9	Sulfur isotope systematics of a euxinic, low-sulfate lake: Evaluating the importance of the reservoir effect in modern and ancient oceans. Geology, 2013, 41, 663-666.	4.4	100
10	Evaluating the relationship between the carbon and sulfur cycles in the later Cambrian ocean: An example from the Port au Port Group, western Newfoundland, Canada. Earth and Planetary Science Letters, 2009, 281, 288-297.	4.4	96
11	Response of the Cr isotope proxy to Cretaceous Ocean Anoxic Event 2 in a pelagic carbonate succession from the Western Interior Seaway. Geochimica Et Cosmochimica Acta, 2016, 186, 277-295.	3.9	95
12	Sulfur isotope fractionation in modern euxinic systems: Implications for paleoenvironmental reconstructions of paired sulfateâ€“sulfide isotope records. Geochimica Et Cosmochimica Acta, 2015, 157, 39-55.	3.9	92
13	Sediment carbon, nitrogen and phosphorus cycling in an anoxic fjord, Effingham Inlet, British Columbia. Numerische Mathematik, 2005, 305, 240-258.	1.4	90
14	Stratigraphy and geochemistry of a ca 800ÂMa negative carbon isotope interval in northeastern Svalbard. Chemical Geology, 2007, 237, 5-27.	3.3	76
15	Ca isotope stratigraphy across the Cenomanianâ€“Turonian OAE 2: Links between volcanism, seawater geochemistry, and the carbonate fractionation factor. Earth and Planetary Science Letters, 2015, 416, 121-131.	4.4	71
16	Sulfur isotope evidence for low and fluctuating sulfate levels in the Late Devonian ocean and the potential link with the mass extinction event. Earth and Planetary Science Letters, 2015, 419, 52-62.	4.4	52
17	Organic-walled microfossil assemblages from glacial and interglacial Neoproterozoic units of Australia and Svalbard. Geology, 2014, 42, 1011-1014.	4.4	43
18	Biogeochemical sulfur cycling during Cretaceous oceanic anoxic events: A comparison of OAE1a and OAE2. Paleoceanography, 2016, 31, 233-251.	3.0	39

#	Article	IF	Citations
19	Coupled Î´44/40Ca, Î´88/86Sr, and 87Sr/86Sr geochemistry across the end-Permian mass extinction event. Geochimica Et Cosmochimica Acta, 2019, 262, 143-165.	3.9	36
20	Chapter 10 Neoproterozoic-Cambrian Biogeochemical Evolution. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2009, , 351-365.	0.2	31
21	Regional and global chemostratigraphic correlation of the early Neoproterozoic Shaler Supergroup, Victoria Island, Northwestern Canada. Precambrian Research, 2010, 181, 43-63.	2.7	31
22	The Marine Sulfur Cycle, Revisited. Science, 2012, 337, 305-306.	12.6	21
23	Massive volcanism, evaporite deposition, and the chemical evolution of the Early Cretaceous ocean. Geology, 2017, 45, 475-478.	4.4	19
24	Calcium isotope evidence for environmental variability before and across the Cretaceous-Paleogene mass extinction. Geology, 2020, 48, 34-38.	4.4	19
25	Data-model comparison reveals key environmental changes leading to Cenomanian-Turonian Oceanic Anoxic Event 2. Earth-Science Reviews, 2020, 203, 103123.	9.1	17
26	Stable Ca and Sr isotopes support volcanically triggered biocalcification crisis during Oceanic Anoxic Event 1a. Geology, 2021, 49, 515-519.	4.4	17
27	Modeling the paleo-seawater radiogenic strontium isotope record: A case study of the Late Jurassic-Early Cretaceous. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 472, 163-176.	2.3	12
28	Ancient oceans and oxygen. Nature, 2003, 423, 592-593.	27.8	6
29	Carbon isotope (Î´13Ccarb) heterogeneity in deep-water Cambro-Ordovician carbonates, western Newfoundland. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 458, 52-62.	2.3	6
30	Coupled strontium-sulfur cycle modeling and the Early Cretaceous sulfur isotope record. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 496, 305-322.	2.3	4