Stephen J Romaniello

List of Publications by Year
in descending order

50	3,059	147801 31	182427 51
papers	citations	h-index	g-index

53	53	53	1934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reconstructing the paleoceanographic and redox conditions responsible for variations in uranium content in North American Devonian black shales. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 587, 110763.	2.3	5
2	238U/235U in calcite is more susceptible to carbonate diagenesis. Geochimica Et Cosmochimica Acta, 2022, 326, 273-287.	3.9	7
3	Major Early-Middle Devonian oceanic oxygenation linked to early land plant evolution detected using high-resolution U isotopes of marine limestones. Earth and Planetary Science Letters, 2022, 581, 117410.	4.4	20
4	Preliminary exploration of molybdenum isotope fractionation during coprecipitation of molybdate with abiotic and microbial calcite. Chemical Geology, 2021, 566, 120102.	3.3	11
5	Assessing molybdenum isotope fractionation during continental weathering as recorded by weathering profiles in saprolites and bauxites. Chemical Geology, 2021, 566, 120103.	3.3	8
6	Anoxic depositional overprinting of 238U/235U in calcite: When do carbonates tell black shale tales?. Geology, 2021, 49, 1193-1197.	4.4	13
7	Reconciling evidence of oxidative weathering and atmospheric anoxia on Archean Earth. Science Advances, 2021, 7, eabj0108.	10.3	21
8	Review of techniques, challenges, and new developments for calcium isotope ratio measurements. Chemical Geology, 2021, 581, 120398.	3.3	10
9	Quantifying Molybdenum Isotopic Speciation in Sulfidic Water: Implications for the Paleoredox Proxy. ACS Earth and Space Chemistry, 2021, 5, 2891-2899.	2.7	7
10	Uranium isotopes as a proxy for primary depositional redox conditions in organic-rich marine systems. Earth and Planetary Science Letters, 2020, 529, 115878.	4.4	39
11	An expanded shale Î´98Mo record permits recurrent shallow marine oxygenation during the Neoarchean. Chemical Geology, 2020, 532, 119391.	3.3	15
12	Extensive marine anoxia associated with the Late Devonian Hangenberg Crisis. Earth and Planetary Science Letters, 2020, 533, 115976.	4.4	49
13	Early Mississippian ocean anoxia triggered organic carbon burial and late Paleozoic cooling: Evidence from uranium isotopes recorded in marine limestone. Geology, 2020, 48, 363-367.	4.4	34
14	Inverse correlation between the molybdenum and uranium isotope compositions of Upper Devonian black shales caused by changes in local depositional conditions rather than global ocean redox variations. Geochimica Et Cosmochimica Acta, 2020, 287, 141-164.	3.9	29
15	Molybdenum isotope fractionation in glacial diamictites tracks the onset of oxidative weathering of the continental crust. Earth and Planetary Science Letters, 2020, 534, 116083.	4.4	20
16	Uranium isotopes in marine carbonates as a global ocean paleoredox proxy: A critical review. Geochimica Et Cosmochimica Acta, 2020, 287, 27-49.	3.9	63
17	Titanium isotope signatures of calcium-aluminum-rich inclusions from CV and CK chondrites: Implications for early Solar System reservoirs and mixing. Geochimica Et Cosmochimica Acta, 2019, 263, 13-30.	3.9	25
18	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.	3.9	52

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19	Global marine redox changes drove the rise and fall of the Ediacara biota. Geobiology, 2019, 17, 594-610.	2.4	92
20	Titanium isotopic fractionation in Kilauea Iki lava lake driven by oxide crystallization. Geochimica Et Cosmochimica Acta, 2019, 264, 180-190.	3.9	40
21	Experimental determination of pyrite and molybdenite oxidation kinetics at nanomolar oxygen concentrations. Geochimica Et Cosmochimica Acta, 2019, 249, 160-172.	3.9	28
22	Uranium isotope evidence for limited euxinia in mid-Proterozoic oceans. Earth and Planetary Science Letters, 2019, 521, 150-157.	4.4	61
23	Fully oxygenated water columns over continental shelves before the Great Oxidation Event. Nature Geoscience, 2019, 12, 186-191.	12.9	95
24	Avances recientes en la comprensiÃ³n del sistema de vida terrestre del EdiacÃ¡rico tardÃ¤o en China meridional y el Ã¡rtico siberiano. Estudios Geologicos, 2019, 75, 097.	0.2	1
25	Multiple episodes of extensive marine anoxia linked to global warming and continental weathering following the latest Permian mass extinction. Science Advances, 2018, 4, e1602921.	10.3	145
26	Congruent Permian-Triassic Î´238U records at Panthalassic and Tethyan sites: Confirmation of global-oceanic anoxia and validation of the U-isotope paleoredox proxy. Geology, 2018, 46, 327-330.	4.4	108
27	Global seawater redox trends during the Late Devonian mass extinction detected using U isotopes of marine limestones. Earth and Planetary Science Letters, 2018, 503, 68-77.	4.4	62
28	Diagenetic effects on uranium isotope fractionation in carbonate sediments from the Bahamas. Geochimica Et Cosmochimica Acta, 2018, 237, 294-311.	3.9	103
29	Biological effects on uranium isotope fractionation (238U/235U) in primary biogenic carbonates. Geochimica Et Cosmochimica Acta, 2018, 240, 1-10.	3.9	39
30	Extensive marine anoxia during the terminal Ediacaran Period. Science Advances, 2018, 4, eaan8983.	10.3	126
31	A renewed search for short-lived 126Sn in the early Solar System: Hydride generation MC-ICPMS for high sensitivity Te isotopic analysis. Geochimica Et Cosmochimica Acta, 2017, 201, 331-344.	3.9	19
32	Transient deep-water oxygenation in the early Cambrian Nanhua Basin, South China. Geochimica Et Cosmochimica Acta, 2017, 210, 42-58.	3.9	70
33	Global-ocean redox variation during the middle-late Permian through Early Triassic based on uranium isotope and Th/U trends of marine carbonates. Geology, 2017, 45, 163-166.	4.4	110
34	Uranium isotope fractionation induced by aqueous speciation: Implications for U isotopes in marine CaCO3 as a paleoredox proxy. Geochimica Et Cosmochimica Acta, 2017, 215, 162-172.	3.9	31
35	Uranium and carbon isotopes document global-ocean redox-productivity relationships linked to cooling during the Frasnian-Famennian mass extinction. Geology, 2017, 45, 887-890.	4.4	66
36	Syndepositional diagenetic control of molybdenum isotope variations in carbonate sediments from the Bahamas. Chemical Geology, 2016, 438, 84-90.	3.3	54

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37	Marine Mo biogeochemistry in the context of dynamically euxinic mid-depth waters: A case study of the lower Cambrian Niutitang shales, South China. Geochimica Et Cosmochimica Acta, 2016, 183, 79-93.	3.9	90
38	Uranium isotope fractionation during coprecipitation with aragonite and calcite. Geochimica Et Cosmochimica Acta, 2016, 188, 189-207.	3.9	86
39	Addressing the Anthropocene. Environmental Chemistry, 2016, 13, 777.	1.5	4
40	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. Geochimica Et Cosmochimica Acta, 2015, 156, 173-193.	3.9	222
41	Uranium isotopes fingerprint biotic reduction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5619-5624.	7.1	133
42	Fully automated chromatographic purification of Sr and Ca for isotopic analysis. Journal of Analytical Atomic Spectrometry, 2015, 30, 1906-1912.	3.0	91
43	Oxygenation of a Cryogenian ocean (Nanhua Basin, South China) revealed by pyrite Fe isotope compositions. Earth and Planetary Science Letters, 2015, 429, 11-19.	4.4	80
44	A modern framework for the interpretation of 238U/235U in studies of ancient ocean redox. Earth and Planetary Science Letters, 2014, 400, 184-194.	4.4	159
45	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine 238U/235U isotope system. Geochimica Et Cosmochimica Acta, 2014, 146, 43-58.	3.9	85
46	Cadmium isotope fractionation during adsorption to Mn oxyhydroxide at low and high ionic strength. Geochimica Et Cosmochimica Acta, 2014, 140, 212-226.	3.9	117
47	Uranium concentrations and 238U/235U isotope ratios in modern carbonates from the Bahamas: Assessing a novel paleoredox proxy. Chemical Geology, 2013, 362, 305-316.	3.3	162
48	Rapidly assessing changes in bone mineral balance using natural stable calcium isotopes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9989-9994.	7.1	115
49	An intermediateâ€complexity model for simulating marine biogeochemistry in deep time: Validation against the modern global ocean. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	4
50	Validation of an intermediateâ€complexity model for simulating marine biogeochemistry under anoxic conditions in the modern Black Sea. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	3