

Stephen J Romaniello

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7938810/publications.pdf>

Version: 2024-02-01

50
papers

3,059
citations

147801

31
h-index

182427

51
g-index

53
all docs

53
docs citations

53
times ranked

1934
citing authors

#	ARTICLE	IF	CITATIONS
1	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 173-193.	3.9	222
2	Uranium concentrations and $^{238}\text{U}/^{235}\text{U}$ isotope ratios in modern carbonates from the Bahamas: Assessing a novel paleoredox proxy. <i>Chemical Geology</i> , 2013, 362, 305-316.	3.3	162
3	A modern framework for the interpretation of $^{238}\text{U}/^{235}\text{U}$ in studies of ancient ocean redox. <i>Earth and Planetary Science Letters</i> , 2014, 400, 184-194.	4.4	159
4	Multiple episodes of extensive marine anoxia linked to global warming and continental weathering following the latest Permian mass extinction. <i>Science Advances</i> , 2018, 4, e1602921.	10.3	145
5	Uranium isotopes fingerprint biotic reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5619-5624.	7.1	133
6	Extensive marine anoxia during the terminal Ediacaran Period. <i>Science Advances</i> , 2018, 4, ean8983.	10.3	126
7	Cadmium isotope fractionation during adsorption to Mn oxyhydroxide at low and high ionic strength. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 212-226.	3.9	117
8	Rapidly assessing changes in bone mineral balance using natural stable calcium isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9989-9994.	7.1	115
9	Global-ocean redox variation during the middle-late Permian through Early Triassic based on uranium isotope and Th/U trends of marine carbonates. <i>Geology</i> , 2017, 45, 163-166.	4.4	110
10	Congruent Permian-Triassic ^{238}U records at Panthalassic and Tethyan sites: Confirmation of global-oceanic anoxia and validation of the U-isotope paleoredox proxy. <i>Geology</i> , 2018, 46, 327-330.	4.4	108
11	Diagenetic effects on uranium isotope fractionation in carbonate sediments from the Bahamas. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 294-311.	3.9	103
12	Fully oxygenated water columns over continental shelves before the Great Oxidation Event. <i>Nature Geoscience</i> , 2019, 12, 186-191.	12.9	95
13	Global marine redox changes drove the rise and fall of the Ediacara biota. <i>Geobiology</i> , 2019, 17, 594-610.	2.4	92
14	Fully automated chromatographic purification of Sr and Ca for isotopic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1906-1912.	3.0	91
15	Marine Mo biogeochemistry in the context of dynamically euxinic mid-depth waters: A case study of the lower Cambrian Niutitang shales, South China. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 79-93.	3.9	90
16	Uranium isotope fractionation during coprecipitation with aragonite and calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 189-207.	3.9	86
17	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine $^{238}\text{U}/^{235}\text{U}$ isotope system. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 146, 43-58.	3.9	85
18	Oxygenation of a Cryogenian ocean (Nanhua Basin, South China) revealed by pyrite Fe isotope compositions. <i>Earth and Planetary Science Letters</i> , 2015, 429, 11-19.	4.4	80

#	ARTICLE	IF	CITATIONS
19	Transient deep-water oxygenation in the early Cambrian Nanhua Basin, South China. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 210, 42-58.	3.9	70
20	Uranium and carbon isotopes document global-ocean redox-productivity relationships linked to cooling during the Frasnian-Famennian mass extinction. <i>Geology</i> , 2017, 45, 887-890.	4.4	66
21	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
22	Global seawater redox trends during the Late Devonian mass extinction detected using U isotopes of marine limestones. <i>Earth and Planetary Science Letters</i> , 2018, 503, 68-77.	4.4	62
23	Uranium isotope evidence for limited euxinia in mid-Proterozoic oceans. <i>Earth and Planetary Science Letters</i> , 2019, 521, 150-157.	4.4	61
24	Syn depositional diagenetic control of molybdenum isotope variations in carbonate sediments from the Bahamas. <i>Chemical Geology</i> , 2016, 438, 84-90.	3.3	54
25	Multiple negative molybdenum isotope excursions in the Doushantuo Formation (South China) fingerprint complex redox-related processes in the Ediacaran Nanhua Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 191-209.	3.9	52
26	Extensive marine anoxia associated with the Late Devonian Hangenberg Crisis. <i>Earth and Planetary Science Letters</i> , 2020, 533, 115976.	4.4	49
27	Titanium isotopic fractionation in Kilauea Iki lava lake driven by oxide crystallization. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 180-190.	3.9	40
28	Biological effects on uranium isotope fractionation ($^{238}\text{U}/^{235}\text{U}$) in primary biogenic carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 1-10.	3.9	39
29	Uranium isotopes as a proxy for primary depositional redox conditions in organic-rich marine systems. <i>Earth and Planetary Science Letters</i> , 2020, 529, 115878.	4.4	39
30	Early Mississippian ocean anoxia triggered organic carbon burial and late Paleozoic cooling: Evidence from uranium isotopes recorded in marine limestone. <i>Geology</i> , 2020, 48, 363-367.	4.4	34
31	Uranium isotope fractionation induced by aqueous speciation: Implications for U isotopes in marine CaCO_3 as a paleoredox proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 162-172.	3.9	31
32	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. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 141-164.	3.9	29
33	Experimental determination of pyrite and molybdenite oxidation kinetics at nanomolar oxygen concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 249, 160-172.	3.9	28
34	Titanium isotope signatures of calcium-aluminum-rich inclusions from CV and CK chondrites: Implications for early Solar System reservoirs and mixing. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 263, 13-30.	3.9	25
35	Reconciling evidence of oxidative weathering and atmospheric anoxia on Archean Earth. <i>Science Advances</i> , 2021, 7, eabj0108.	10.3	21
36	Molybdenum isotope fractionation in glacial diamictites tracks the onset of oxidative weathering of the continental crust. <i>Earth and Planetary Science Letters</i> , 2020, 534, 116083.	4.4	20

#	ARTICLE	IF	CITATIONS
37	Major Early-Middle Devonian oceanic oxygenation linked to early land plant evolution detected using high-resolution U isotopes of marine limestones. <i>Earth and Planetary Science Letters</i> , 2022, 581, 117410.	4.4	20
38	A renewed search for short-lived ^{126}Sn in the early Solar System: Hydride generation MC-ICPMS for high sensitivity Te isotopic analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 201, 331-344.	3.9	19
39	An expanded shale ^{98}Mo record permits recurrent shallow marine oxygenation during the Neoproterozoic. <i>Chemical Geology</i> , 2020, 532, 119391.	3.3	15
40	Anoxic depositional overprinting of $^{238}\text{U}/^{235}\text{U}$ in calcite: When do carbonates tell black shale tales?. <i>Geology</i> , 2021, 49, 1193-1197.	4.4	13
41	Preliminary exploration of molybdenum isotope fractionation during coprecipitation of molybdate with abiotic and microbial calcite. <i>Chemical Geology</i> , 2021, 566, 120102.	3.3	11
42	Review of techniques, challenges, and new developments for calcium isotope ratio measurements. <i>Chemical Geology</i> , 2021, 581, 120398.	3.3	10
43	Assessing molybdenum isotope fractionation during continental weathering as recorded by weathering profiles in saprolites and bauxites. <i>Chemical Geology</i> , 2021, 566, 120103.	3.3	8
44	Quantifying Molybdenum Isotopic Speciation in Sulfidic Water: Implications for the Paleoredox Proxy. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2891-2899.	2.7	7
45	$^{238}\text{U}/^{235}\text{U}$ in calcite is more susceptible to carbonate diagenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 273-287.	3.9	7
46	Reconstructing the paleoceanographic and redox conditions responsible for variations in uranium content in North American Devonian black shales. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 587, 110763.	2.3	5
47	An intermediate-complexity model for simulating marine biogeochemistry in deep time: Validation against the modern global ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	4
48	Addressing the Anthropocene. <i>Environmental Chemistry</i> , 2016, 13, 777.	1.5	4
49	Validation of an intermediate-complexity model for simulating marine biogeochemistry under anoxic conditions in the modern Black Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	3
50	Avances recientes en la comprensión del sistema de vida terrestre del Ediacárico tardío en China meridional y el Ártico siberiano. <i>Estudios Geológicos</i> , 2019, 75, 097.	0.2	1