

Mary I Scranton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5520362/publications.pdf>

Version: 2024-02-01

23
papers

1,288
citations

623734

14
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

1380
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemoautotrophy in the redox transition zone of the Cariaco Basin: A significant midwater source of organic carbon production. <i>Limnology and Oceanography</i> , 2001, 46, 148-163.	3.1	231
2	Phylogenetic Diversity of Bacterial and Archaeal Communities in the Anoxic Zone of the Cariaco Basin. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1663-1674.	3.1	179
3	Comparison of Vertical Distributions of Prokaryotic Assemblages in the Anoxic Cariaco Basin and Black Sea by Use of Fluorescence In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2679-2690.	3.1	148
4	Annual cycle of primary production in the Cariaco Basin: Response to upwelling and implications for vertical export. <i>Journal of Geophysical Research</i> , 2001, 106, 4527-4542.	3.3	143
5	Seasonal and interannual variation in the hydrography of the Cariaco Basin: implications for basin ventilation. <i>Continental Shelf Research</i> , 2003, 23, 125-144.	1.8	113
6	Ecosystem responses in the southern Caribbean Sea to global climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19315-19320.	7.1	93
7	Biomarkers, chemistry and microbiology show chemoautotrophy in a multilayer chemocline in the Cariaco Basin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 63, 133-156.	1.4	71
8	Relationship of sulfur speciation to hydrographic conditions and chemoautotrophic production in the Cariaco Basin. <i>Marine Chemistry</i> , 2008, 112, 53-64.	2.3	44
9	Interannual and Subdecadal Variability in the Nutrient Geochemistry of the Cariaco Basin. <i>Oceanography</i> , 2014, 27, 148-159.	1.0	38
10	Temporal variations in the methane content of the Cariaco Trench. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1988, 35, 1511-1523.	1.5	36
11	The Scientific Legacy of the CARIACO Ocean Time-Series Program. <i>Annual Review of Marine Science</i> , 2019, 11, 413-437.	11.6	33
12	The conundrum between chemoautotrophic production and reductant and oxidant supply: A case study from the Cariaco Basin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 61, 1-10.	1.4	22
13	Sedimentary facies, geomorphic features and habitat distribution at the Hudson Canyon head from AUV multibeam data. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 121, 112-125.	1.4	21
14	TEMPORAL VARIABILITY IN THE NUTRIENT CHEMISTRY OF THE CARIACO BASIN. , 2006, , 139-160.		20
15	Determining the flux of methane into Hudson Canyon at the edge of methane clathrate hydrate stability. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3882-3892.	2.5	19
16	Diverse nitrogen cycling pathways across a marine oxygen gradient indicate nitrogen loss coupled to chemoautotrophic activity. <i>Environmental Microbiology</i> , 2021, 23, 2747-2764.	3.8	15
17	Hudson submarine canyon head offshore New York and New Jersey: A physical and geochemical investigation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 121, 213-232.	1.4	14
18	Temporal shifts in dominant sulfur-oxidizing chemoautotrophic populations across the Cariaco Basin's redoxcline. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 156, 80-96.	1.4	14

#	ARTICLE	IF	CITATIONS
19	The dynamics of the bacterial diversity in the redox transition and anoxic zones of the Cariaco Basin assessed by parallel tag sequencing. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv088.	2.7	13
20	Circumventing kinetics in biogeochemical modeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11329-11338.	7.1	11
21	Microbial metabolite fluxes in a model marine anoxic ecosystem. <i>Geobiology</i> , 2019, 17, 628-642.	2.4	4
22	Anomalous $\delta^{13}\text{C}$ in Particulate Organic Carbon at the Chemoautotrophy Maximum in the Cariaco Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005276.	3.0	4
23	2012 OCEAN SCIENCES MEETING, SALT LAKE CITY. <i>Limnology and Oceanography Bulletin</i> , 2012, 21, 57-57.	0.4	0