

David A Mucciarone

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,235
citations

430874

18
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

1983
citing authors

#	ARTICLE	IF	CITATIONS
1	Limited biogeochemical modification of surface waters by kelp forest canopies: Influence of kelp metabolism and site-specific hydrodynamics. <i>Limnology and Oceanography</i> , 2022, 67, 392-403.	3.1	6
2	Autonomous submersible multiport water sampler. <i>HardwareX</i> , 2021, 9, e00197.	2.2	4
3	Isoscape Models of the Southern Ocean: Predicting Spatial and Temporal Variability in Carbon and Nitrogen Isotope Compositions of Particulate Organic Matter. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006901.	4.9	19
4	How Consistent Are Estimates of Roughness Parameters on a Rough Coral Reef?. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	2.6	1
5	A review of a decade of lessons from one of the world's largest MPAs: conservation gains and key challenges. <i>Marine Biology</i> , 2020, 167, 1.	1.5	47
6	Drivers of Biogeochemical Variability in a Central California Kelp Forest: Implications for Local Amelioration of Ocean Acidification. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016320.	2.6	23
7	Autonomous underwater pumping system. <i>HardwareX</i> , 2020, 8, e00154.	2.2	3
8	Automated multiport flow-through water pumping and sampling system. <i>HardwareX</i> , 2020, 8, e00147.	2.2	2
9	Carbon Isotopic Fractionation in Organic Matter Production Consistent With Benthic Community Composition Across a Coral Reef Flat. <i>Frontiers in Marine Science</i> , 2019, 5, .	2.5	2
10	Recent history of persistent organic pollutants (PAHs, PCBs, PBDEs) in sediments from a large tropical lake. <i>Journal of Hazardous Materials</i> , 2019, 368, 264-273.	12.4	58
11	Carbon burial and storage in tropical salt marshes under the influence of sea level rise. <i>Science of the Total Environment</i> , 2018, 630, 1628-1640.	8.0	46
12	ENSO's Shrinking Twentieth-Century Footprint Revealed in a Half-Millennium Coral Core From the South Pacific Convergence Zone. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1136-1150.	2.9	11
13	Net community production and carbon export during the late summer in the Ross Sea, Antarctica. <i>Global Biogeochemical Cycles</i> , 2017, 31, 473-491.	4.9	21
14	A year in the life of a central California kelp forest: physical and biological insights into biogeochemical variability. <i>Biogeosciences</i> , 2017, 14, 31-44.	3.3	34
15	Bubble Stripping as a Tool To Reduce High Dissolved CO ₂ in Coastal Marine Ecosystems. <i>Environmental Science & Technology</i> , 2016, 50, 3790-3797.	10.0	13
16	Carbonate saturation state of surface waters in the Ross Sea and Southern Ocean: controls and implications for the onset of aragonite undersaturation. <i>Biogeosciences</i> , 2015, 12, 6881-6896.	3.3	17
17	Identification of frequent La Niña events during the early 1800s in the east equatorial Pacific. <i>Geophysical Research Letters</i> , 2015, 42, 1512-1519.	4.0	6
18	High-resolution physical and biogeochemical variability from a shallow back reef on Ofu, American Samoa: an end-member perspective. <i>Coral Reefs</i> , 2015, 34, 979-991.	2.2	44

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19	Environmental and ecological controls of coral community metabolism on Palmyra Atoll. <i>Coral Reefs</i> , 2015, 34, 339-351.	2.2	44
20	Long-range atmospheric transport of persistent organic pollutants to remote lacustrine environments. <i>Science of the Total Environment</i> , 2014, 493, 505-520.	8.0	41
21	A 215-yr coral $\delta^{18}O$ time series from Palau records dynamics of the West Pacific Warm Pool following the end of the Little Ice Age. <i>Coral Reefs</i> , 2014, 33, 719-731.	2.2	27
22	Seasonal radiocarbon and oxygen isotopes in a Galapagos coral: Calibration with climate indices. <i>Geophysical Research Letters</i> , 2014, 41, 5099-5105.	4.0	13
23	Regional calibration of coral-based climate reconstructions from Palau, West Pacific Warm Pool (WPWP). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 386, 308-320.	2.3	13
24	A revised sediment trap splitting procedure for samples collected in the Antarctic sea. <i>Methods in Oceanography</i> , 2013, 8, 13-22.	1.6	6
25	High-resolution carbon budgets on a Palau backreef modulated by interactions between hydrodynamics and reef metabolism. <i>Limnology and Oceanography</i> , 2013, 58, 1851-1870.	3.1	28
26	Radiocarbon and stable isotopes in Palmyra corals during the past century. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 82, 154-162.	3.9	9
27	Vertical structure, seasonal drawdown, and net community production in the Ross Sea, Antarctica. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	34
28	A geochemical and sedimentary record of high southern latitude Holocene climate evolution from Lago Fagnano, Tierra del Fuego. <i>Earth and Planetary Science Letters</i> , 2011, 302, 1-13.	4.4	31
29	Stable isotope composition of dissolved inorganic carbon and particulate organic carbon in sea ice from the Ross Sea, Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	25
30	Extreme longevity in proteinaceous deep-sea corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5204-5208.	7.1	224
31	Isotopic evidence for hydrologic change related to the westerlies in SW Patagonia, Chile, during the last millennium. <i>Quaternary Science Reviews</i> , 2008, 27, 1335-1349.	3.0	108
32	Multidecadal- to century-scale arid episodes on the northern Altiplano during the middle Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 257, 361-376.	2.3	19
33	Late Quaternary lake-level changes constrained by radiocarbon and stable isotope studies on sediment cores from Lake Titicaca, South America. <i>Global and Planetary Change</i> , 2003, 38, 273-290.	3.5	67
34	Title is missing!. <i>Climatic Change</i> , 2002, 52, 175-199.	3.6	65
35	Water column sediment fluxes in the Ross Sea, Antarctica: Atmospheric and sea ice forcing. <i>Journal of Geophysical Research</i> , 1998, 103, 30741-30759.	3.3	124