Benedetto Barone

List of Publications by Year
in descending order

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17 papers	514 citations	687363 13 h-index	888059 17 g-index
22 all docs	22 docs citations	22 times ranked	646 citing authors

#	Article	IF	Citations
1	Biogeochemical Dynamics in Adjacent Mesoscale Eddies of Opposite Polarity. Global Biogeochemical Cycles, 2022, 36, .	4.9	13
2	A system of coordinated autonomous robots for Lagrangian studies of microbes in the oceanic deep chlorophyll maximum. Science Robotics, 2021, 6, .	17.6	32
3	Euphotic Zone Metabolism in the North Pacific Subtropical Gyre Based on Oxygen Dynamics. Global Biogeochemical Cycles, 2021, 35, e2020GB006744.	4.9	5
4	Microbial community transcriptional patterns vary in response to mesoscale forcing in the North Pacific Subtropical Gyre. Environmental Microbiology, 2021, 23, 4807-4822.	3.8	14
5	Iron Depletion in the Deep Chlorophyll Maximum: Mesoscale Eddies as Natural Iron Fertilization Experiments. Global Biogeochemical Cycles, 2021, 35, e2021GB007112.	4.9	20
6	Autonomous Tracking and Sampling of the Deep Chlorophyll Maximum Layer in an Open-Ocean Eddy by a Long-Range Autonomous Underwater Vehicle. IEEE Journal of Oceanic Engineering, 2020, 45, 1308-1321.	3.8	22
7	Diel variability of bulk optical properties associated with the growth and division of small phytoplankton in the North Pacific Subtropical Gyre. Applied Optics, 2020, 59, 6702.	1.8	14
8	KÄ«lauea lava fuels phytoplankton bloom in the North Pacific Ocean. Science, 2019, 365, 1040-1044.	12.6	35
9	The estimation of gross oxygen production and community respiration from autonomous timeâ€series measurements in the oligotrophic ocean. Limnology and Oceanography: Methods, 2019, 17, 650-664.	2.0	17
10	The ecological and biogeochemical state of the North Pacific Subtropical Gyre is linked to sea surface height. Journal of Marine Research, 2019, 77, 215-245.	0.3	29
11	Coordinated regulation of growth, activity and transcription in natural populations of the unicellular nitrogen-fixing cyanobacterium Crocosphaera. Nature Microbiology, 2017, 2, 17118.	13.3	122
12	Light absorption by phytoplankton in the North Pacific Subtropical Gyre. Limnology and Oceanography, 2017, 62, 1526-1540.	3.1	35
13	Productivity diagnosed from the diel cycle of particulate carbon in the North Pacific Subtropical Gyre. Geophysical Research Letters, 2017, 44, 3752-3760.	4.0	36
14	Shortâ€term variability in euphotic zone biogeochemistry and primary productivity at Station ALOHA: A case study of summer 2012. Global Biogeochemical Cycles, 2015, 29, 1145-1164.	4.9	22
15	Phenology of particle size distributions and primary productivity in the <scp>N</scp>orth <scp>P</scp>acific subtropical gyre (<scp>S</scp>tation <scp>ALOHA</scp>). Journal of Geophysical Research: Oceans, 2015, 120, 7381-7399.	2.6	45
16	Particle distributions and dynamics in the euphotic zone of the <scp>N</scp>orth <scp>P</scp>acific <scp>S</scp>ubtropical <scp>G</scp>yre. Journal of Geophysical Research: Oceans, 2015, 120, 3229-3247.	2.6	35
17	Evaluation of the utility of xanthophyll cycle pigment dynamics for assessing upper ocean mixing processes at Station ALOHA. Journal of Plankton Research, 2014, 36, 1423-1433.	1.8	18