

# Benedetto Barone

## List of Publications by Year in descending order

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Version: 2024-02-01

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