

# MarÃ-a F Montero

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,750  
citations

331670

21  
h-index

395702

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1877  
citing authors

#	ARTICLE	IF	CITATIONS
1	The transition zone of the Canary Current upwelling region. <i>Progress in Oceanography</i> , 1998, 41, 455-504.	3.2	365
2	The influence of island-generated eddies on chlorophyll distribution: a study of mesoscale variation around Gran Canaria. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 71-96.	1.4	222
3	Coupling between the open ocean and the coastal upwelling region off northwest Africa: water recirculation and offshore pumping of organic matter. <i>Journal of Marine Systems</i> , 2005, 54, 3-37.	2.1	165
4	Isolation of high-lipid content strains of the marine microalga <i>Tetraselmis suecica</i> for biodiesel production by flow cytometry and single-cell sorting. <i>Journal of Applied Phycology</i> , 2011, 23, 1053-1057.	2.8	95
5	Temporal and spatial changes in plankton respiration and biomass in the Canary Islands region: the effect of mesoscale variability. <i>Journal of Marine Systems</i> , 2005, 54, 65-82.	2.1	72
6	The relationship between community respiration and ETS activity in the ocean. <i>Journal of Plankton Research</i> , 1995, 17, 1563-1571.	1.8	71
7	Variability in plankton community structure, metabolism, and vertical carbon fluxes along an upwelling filament (Cape Juby, NW Africa). <i>Progress in Oceanography</i> , 2004, 62, 95-113.	3.2	68
8	Kinetics of alkaline phosphatase activity, and effect of phosphate enrichment: a case study in the NW African upwelling region. <i>Marine Ecology - Progress Series</i> , 2004, 270, 1-13.	1.9	47
9	Planktonic primary production and microbial respiration measured by <sup>14</sup> C assimilation and dissolved oxygen changes in coastal waters of the Antarctic Peninsula during austral summer: implications for carbon flux studies. <i>Marine Ecology - Progress Series</i> , 1996, 132, 191-201.	1.9	46
10	Is There a Seamount Effect on Microbial Community Structure and Biomass? The Case Study of Seine and Sedlo Seamounts (Northeast Atlantic). <i>PLoS ONE</i> , 2012, 7, e29526.	2.5	45
11	The seasonal planktonic cycle in coastal waters of the Canary Islands. <i>Scientia Marina</i> , 2001, 65, 51-58.	0.6	45
12	Organic carbon distribution and water column respiration in the NW Africa-Canaries Coastal Transition Zone. <i>Aquatic Microbial Ecology</i> , 2003, 33, 289-301.	1.8	44
13	Basin-wide N <sub>2</sub> fixation in the deep waters of the Mediterranean Sea. <i>Global Biogeochemical Cycles</i> , 2016, 30, 952-961.	4.9	43
14	Alkaline phosphatase activity and its relationship to inorganic phosphorus in the transition zone of the North-western African upwelling system. <i>Progress in Oceanography</i> , 2004, 62, 131-150.	3.2	42
15	Distribution and transport of organic matter along a filament-eddy system in the Canaries " NW Africa coastal transition zone region. <i>Progress in Oceanography</i> , 2004, 62, 115-129.	3.2	39
16	Mesoscale variability modulates seasonal changes in the trophic structure of nano- and picoplankton communities across the NW Africa-Canary Islands transition zone. <i>Progress in Oceanography</i> , 2009, 83, 180-188.	3.2	35
17	Seamounts and organic matter "Is there an effect? The case of Sedlo and Seine Seamounts: Part 1. Distributions of dissolved and particulate organic matter. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2618-2630.	1.4	33
18	Plankton metabolic balance at two North Atlantic seamounts. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2646-2655.	1.4	32

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19	The structure of planktonic communities under variable coastal upwelling conditions off Cape Ghir (31°N) in the Canary Current System (NW Africa). <i>Progress in Oceanography</i> , 2014, 120, 320-339.	3.2	29
20	Plankton community respiration in Bransfield Strait (Antarctic Ocean) during austral spring. <i>Journal of Plankton Research</i> , 1995, 17, 1647-1659.	1.8	24
21	Transient Changes in Bacterioplankton Communities Induced by the Submarine Volcanic Eruption of El Hierro (Canary Islands). <i>PLoS ONE</i> , 2015, 10, e0118136.	2.5	22
22	Response of Subtropical Phytoplankton Communities to Ocean Acidification Under Oligotrophic Conditions and During Nutrient Fertilization. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	22
23	Water-column remineralization in the Indian sector of the Southern Ocean during early spring. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1707-1720.	1.4	21
24	Transparent exopolymer particle (TEP) distribution and in situ prokaryotic generation across the deep Mediterranean Sea and nearby North East Atlantic Ocean. <i>Progress in Oceanography</i> , 2019, 173, 180-191.	3.2	21
25	Title is missing!. <i>Journal of Oceanography</i> , 1999, 55, 471-482.	1.7	20
26	Steady-state DCM dynamics in Canaries waters. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 3543-3559.	1.4	17
27	High CO <sub>2</sub> Under Nutrient Fertilization Increases Primary Production and Biomass in Subtropical Phytoplankton Communities: A Mesocosm Approach. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	17
28	Drivers of Plankton Distribution Across Mesoscale Eddies at Submesoscale Range. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	16
29	Plankton Community Respiration and ETS Activity Under Variable CO <sub>2</sub> and Nutrient Fertilization During a Mesocosm Study in the Subtropical North Atlantic. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	15
30	Variability in Water-Column Respiration and Its Dependence on Organic Carbon Sources in the Canary Current Upwelling Region. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	8
31	Mesopelagic respiration near the ESTOC (European Station for Time-Series in the Ocean, 15.5°W, 29.1°N) site inferred from a tracer conservation model. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 115, 63-73.	1.4	6
32	INT Toxicity over Natural Bacterial Assemblages from Surface Oligotrophic Waters: Implications for the Assessment of Respiratory Activity. <i>Microbial Ecology</i> , 2020, 80, 237-242.	2.8	2
33	Photophysiological variability and its influence on primary production in the NW Africa–Canary Islands coastal transition zone. <i>Journal of Marine Systems</i> , 2016, 157, 92-100.	2.1	1