

# Maria Ll Calleja

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,212  
citations

361413

20  
h-index

395702

33  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1611  
citing authors

#	ARTICLE	IF	CITATIONS
1	The relationship between seagrass ( <i>Posidonia oceanica</i> ) decline and sulfide porewater concentration in carbonate sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 73, 583-588.	2.1	93
2	Whole-system metabolism and CO <sub>2</sub> fluxes in a Mediterranean Bay dominated by seagrass beds (Palma Bay, NW Mediterranean). <i>Biogeosciences</i> , 2005, 2, 43-60.	3.3	91
3	Oxonium Ions from Aqua Regia: Isolation by Hydrogen Bonding to Crown Ethers. <i>Inorganic Chemistry</i> , 2001, 40, 4978-4985.	4.0	69
4	Changes in compound specific <sup>15</sup> N amino acid signatures and d/l ratios in marine dissolved organic matter induced by heterotrophic bacterial reworking. <i>Marine Chemistry</i> , 2013, 149, 32-44.	2.3	64
5	Submerged versus air-exposed intertidal macrophyte productivity: from physiological to community-level assessments. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 317, 87-95.	1.5	60
6	High atmosphere-ocean exchange of organic carbon in the NE subtropical Atlantic. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	60
7	Mesopelagic prokaryotic bulk and single-cell heterotrophic activity and community composition in the NW Africa "Canary Islands coastal-transition zone. <i>Progress in Oceanography</i> , 2009, 83, 189-196.	3.2	53
8	Control of air-sea CO <sub>2</sub> disequilibria in the subtropical NE Atlantic by planktonic metabolism under the ocean skin. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	50
9	Glacier inputs influence organic matter composition and prokaryotic distribution in a high Arctic fjord (Kongsfjorden, Svalbard). <i>Journal of Marine Systems</i> , 2016, 164, 112-127.	2.1	46
10	Effects of increase glacier discharge on phytoplankton bloom dynamics and pelagic geochemistry in a high Arctic fjord. <i>Progress in Oceanography</i> , 2017, 159, 195-210.	3.2	46
11	Bacterial Community Dynamics in a Seagrass ( <i>Posidonia oceanica</i> ) Meadow Sediment. <i>Estuaries and Coasts</i> , 2009, 32, 276-286.	2.2	43
12	The Mesopelagic Scattering Layer: A Hotspot for Heterotrophic Prokaryotes in the Red Sea Twilight Zone. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	43
13	Iron Additions Reduce Sulfide Intrusion and Reverse Seagrass ( <i>Posidonia oceanica</i> ) Decline in Carbonate Sediments. <i>Ecosystems</i> , 2007, 10, 745-756.	3.4	40
14	Low Abundances but High Growth Rates of Coastal Heterotrophic Bacteria in the Red Sea. <i>Frontiers in Microbiology</i> , 2018, 9, 3244.	3.5	39
15	Dissolved organic carbon contribution to oxygen respiration in the central Red Sea. <i>Scientific Reports</i> , 2019, 9, 4690.	3.3	38
16	Evidence for surface organic matter modulation of air-sea CO <sub>2</sub> gas exchange. <i>Biogeosciences</i> , 2009, 6, 1105-1114.	3.3	34
17	Aeolian transport of seagrass ( <i>Posidonia oceanica</i> ) beach-cast to terrestrial systems. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 196, 31-44.	2.1	29
18	Anisotropic thermal expansion in 18-crown-6-2 H <sub>2</sub> O-2 HNO <sub>3</sub> . <i>New Journal of Chemistry</i> , 2003, 27, 28-31.	2.8	27

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19	Major hydrogeochemical processes in an Acid Mine Drainage affected estuary. <i>Marine Pollution Bulletin</i> , 2015, 91, 295-305.	5.0	24
20	The Great Barrier Reef: A source of CO <sub>2</sub> to the atmosphere. <i>Marine Chemistry</i> , 2019, 210, 24-33.	2.3	24
21	Factors Regulating the Relationship Between Total and Size-Fractionated Chlorophyll-a in Coastal Waters of the Red Sea. <i>Frontiers in Microbiology</i> , 2019, 10, 1964.	3.5	23
22	Diel dynamics and coupling of heterotrophic prokaryotes and dissolved organic matter in epipelagic and mesopelagic waters of the central Red Sea. <i>Environmental Microbiology</i> , 2018, 20, 2990-3000.	3.8	22
23	Ocean-atmosphere exchange of organic carbon and CO <sub>2</sub> surrounding the Antarctic Peninsula. <i>Biogeosciences</i> , 2014, 11, 2755-2770.	3.3	20
24	Weekly variations of viruses and heterotrophic nanoflagellates and their potential impact on bacterioplankton in shallow waters of the central Red Sea. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	19
25	Light regulation of benthic sulfate reduction rates mediated by seagrass ( <i>Thalassia testudinum</i> ) metabolism. <i>Estuaries and Coasts</i> , 2006, 29, 1255-1264.	2.2	18
26	Seasonal variability and vertical distribution of autotrophic and heterotrophic picoplankton in the Central Red Sea. <i>PeerJ</i> , 2020, 8, e8612.	2.0	18
27	Sedimentary iron inputs stimulate seagrass ( <i>Posidonia oceanica</i> ) population growth in carbonate sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 710-713.	2.1	16
28	Prevalence of strong vertical CO <sub>2</sub> and O <sub>2</sub> variability in the top meters of the ocean. <i>Global Biogeochemical Cycles</i> , 2013, 27, 941-949.	4.9	15
29	High summer temperatures amplify functional differences between coral- and algae-dominated reef communities. <i>Ecology</i> , 2021, 102, e03226.	3.2	15
30	Heterotrophic bacterioplankton responses in coral- and algae-dominated Red Sea reefs show they might benefit from future regime shift. <i>Science of the Total Environment</i> , 2021, 751, 141628.	8.0	14
31	Fine-scale metabolic discontinuity in a stratified prokaryote microbiome of a Red Sea deep halocline. <i>ISME Journal</i> , 2021, 15, 2351-2365.	9.8	11
32	Characterization of light absorption by chromophoric dissolved organic matter (CDOM) in the upper layer of the Red Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 133, 72-84.	1.4	9
33	Diel dynamics of dissolved organic matter and heterotrophic prokaryotes reveal enhanced growth at the ocean's mesopelagic fish layer during daytime. <i>Science of the Total Environment</i> , 2022, 804, 150098.	8.0	9
34	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
35	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2003, 33, 609-612.	1.1	7
36	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. <i>Marine Pollution Bulletin</i> , 2021, 168, 112444.	5.0	7

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37	Localized effects of offshore aquaculture on water quality in a tropical sea. Marine Pollution Bulletin, 2021, 171, 112732.	5.0	5
38	Heterotrophic Bacterioplankton Growth and Physiological Properties in Red Sea Tropical Shallow Ecosystems With Different Dissolved Organic Matter Sources. Frontiers in Microbiology, 2021, 12, 784325.	3.5	2
39	High Summer Temperatures Amplify Functional Differences Between Coral- and Algae-Dominated Reef Communities. Bulletin of the Ecological Society of America, 2021, 102, e01822.	0.2	0
40	Red Sea Fishes That Travel Into the Deep Ocean Daily. Frontiers for Young Minds, 0, 8, .	0.8	0