Miguel J Frada

List of Publications by Year
in descending order

25 papers	1,277 citations	516710 16 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	1847 citing authors

#	Article	IF	Citations
1	Extreme diversity in noncalcifying haptophytes explains a major pigment paradox in open oceans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12803-12808.	7.1	263
2	The â€œCheshire Catâ€•escape strategy of the coccolithophore<i>Emiliania huxleyi</i>in response to viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15944-15949.	7.1	184
3	Coccolithovirus facilitation of carbon export in the North Atlantic. Nature Microbiology, 2018, 3, 537-547.	13.3	114
4	Decoupling Physical from Biological Processes to Assess the Impact of Viruses on a Mesoscale Algal Bloom. Current Biology, 2014, 24, 2041-2046.	3.9	110
5	Regulatory branch points affecting protein and lipid biosynthesis in the diatom Phaeodactylum tricornutum. Biomass and Bioenergy, 2013, 59, 306-315.	5.7	78
6	Bacterial virulence against an oceanic bloom-forming phytoplankter is mediated by algal DMSP. Science Advances, 2018, 4, eaau5716.	10.3	78
7	<i>In situ</i> survey of life cycle phases of the coccolithophore <i>Emiliania huxleyi</i> (<i>Haptophyta</i>). Environmental Microbiology, 2012, 14, 1558-1569.	3.8	62
8	Zooplankton May Serve as Transmission Vectors for Viruses Infecting Algal Blooms in the Ocean. Current Biology, 2014, 24, 2592-2597.	3.9	48
9	Death-specific protein in a marine diatom regulates photosynthetic responses to iron and light availability. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20123-20128.	7.1	43
10	Targeted and untargeted lipidomics of Emiliania huxleyi viral infection and life cycle phases highlights molecular biomarkers of infection, susceptibility, and ploidy. Frontiers in Marine Science, 2015, 2, .	2.5	37
11	Dimethyl sulfide mediates microbial predatorâ€“prey interactions between zooplankton and algae in the ocean. Nature Microbiology, 2021, 6, 1357-1366.	13.3	33
12	Dynamics of Lipid Biosynthesis and Redistribution in the Marine Diatom Phaeodactylum tricornutum Under Nitrate Deprivation. Bioenergy Research, 2012, 5, 876-885.	3.9	31
13	Morphological switch to a resistant subpopulation in response to viral infection in the bloom-forming coccolithophore Emiliania huxleyi. PLoS Pathogens, 2017, 13, e1006775.	4.7	29
14	Quantum requirements for growth and fatty acid biosynthesis in the marine diatom <i>Phaeodactylum tricornutum</i> (Bacillariophyceae) in nitrogen replete and limited conditions. Journal of Phycology, 2013, 49, 381-388.	2.3	27
15	Detection of Phagotrophy in the Marine Phytoplankton Group of the Coccolithophores (Calcihaptophycidae, Haptophyta) During Nutrientâ€replete and Phosphateâ€limited Growth. Journal of Phycology, 2020, 56, 1103-1108.	2.3	22
16	First observations of heterococcolithophoreâ€“holococcolithophore life cycle combinations in the family Pontosphaeraceae (Calcihaptophycideae, Haptophyta). Marine Micropaleontology, 2009, 71, 20-27.	1.2	19
17	Unmasking cellular response of a bloom-forming alga to viral infection by resolving expression profiles at a single-cell level. PLoS Pathogens, 2019, 15, e1007708.	4.7	19
18	CACO3OPTICAL DETECTION WITH FLUORESCENTIN SITUHYBRIDIZATION: A NEW METHOD TO IDENTIFY AND QUANTIFY CALCIFYING MICROORGANISMS FROM THE OCEANS1. Journal of Phycology, 2006, 42, 1162-1169.	2.3	14

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19	Infection Dynamics of a Bloom-Forming Alga and Its Virus Determine Airborne Coccolith Emission from Seawater. IScience, 2018, 6, 327-335.	4.1	14
20	The private life of coccolithophores. Perspectives in Phycology, 2019, 6, 11-30.	1.9	13
21	A year in the life of the Eastern Mediterranean: Monthly dynamics of phytoplankton and bacterioplankton in an ultra-oligotrophic sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 182, 103720.	1.4	10
22	Life cycle association of the coccolithophore Syracosphaera gaarderae comb. nov. (ex Alveosphaera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 58-64.	1.2	7
23	Seasonal patterns of coccolithophores in the ultra-oligotrophic South-East Levantine Basin, Eastern Mediterranean Sea. Marine Micropaleontology, 2022, 175, 102153.	1.2	5
24	Novel heterococcolithophores, holococcolithophores and life cycle combinations from the families Syracosphaeraceae and Papposphaeraceae and the genus <i>Florisphaera</i>. Journal of Micropalaeontology, 2021, 40, 75-99.	3.6	4
25	Divergent fate of coccolithophores in a warming tropical ecosystem. Global Change Biology, 2022, 28, 1560-1568.	9.5	4