

# Ana Fernández-Carrera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1603522/publications.pdf>

Version: 2024-02-01

22  
papers

1,075  
citations

516710

16  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. <i>Earth System Science Data</i> , 2012, 4, 47-73.	9.9	315
2	Degree of oligotrophy controls the response of microbial plankton to Saharan dust. <i>Limnology and Oceanography</i> , 2010, 55, 2339-2352.	3.1	134
3	Dissolved and particulate primary production along a longitudinal gradient in the Mediterranean Sea. <i>Biogeosciences</i> , 2011, 8, 815-825.	3.3	89
4	Latitudinal distribution of <i>Trichodesmium</i> spp. and $N_2$ fixation in the Atlantic Ocean. <i>Biogeosciences</i> , 2010, 7, 3167-3176.	3.3	74
5	Linkages between bacterioplankton community composition, heterotrophic carbon cycling and environmental conditions in a highly dynamic coastal ecosystem. <i>Environmental Microbiology</i> , 2008, 10, 906-917.	3.8	72
6	Importance of $N_2$ fixation vs. nitrate eddy diffusion along a latitudinal transect in the Atlantic Ocean. <i>Limnology and Oceanography</i> , 2011, 56, 999-1007.	3.1	56
7	Response of two marine bacterial isolates to high $CO_2$ concentration. <i>Marine Ecology - Progress Series</i> , 2012, 453, 27-36.	1.9	48
8	Surface distribution of dissolved trace metals in the oligotrophic ocean and their influence on phytoplankton biomass and productivity. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1763-1781.	4.9	44
9	Biological $N_2$ Fixation in the Upwelling Region off NW Iberia: Magnitude, Relevance, and Players. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	31
10	Local differences in phytoplankton-bacterioplankton coupling in the coastal upwelling off Galicia (NW Spain). <i>Marine Ecology - Progress Series</i> , 2015, 528, 53-69.	1.9	23
11	Community $N_2$ fixation and <i>Trichodesmium</i> spp. abundance along longitudinal gradients in the eastern subtropical North Atlantic. <i>ICES Journal of Marine Science</i> , 2013, 70, 223-231.	2.5	22
12	Coccolithophore calcification is independent of carbonate chemistry in the tropical ocean. <i>Limnology and Oceanography</i> , 2016, 61, 1345-1357.	3.1	19
13	Particulate and dissolved primary production by contrasting phytoplankton assemblages during mesocosm experiments in the Ria de Vigo (NW Spain). <i>Journal of Plankton Research</i> , 2010, 32, 1231-1240.	1.8	18
14	Deep Water Horizon oil and methane carbon entered the food web in the Gulf of Mexico. <i>Limnology and Oceanography</i> , 2016, 61, S387.	3.1	18
15	Temporal variability of diazotroph community composition in the upwelling region off NW Iberia. <i>Scientific Reports</i> , 2019, 9, 3737.	3.3	18
16	A global compilation of coccolithophore calcification rates. <i>Earth System Science Data</i> , 2018, 10, 1859-1876.	9.9	18
17	Size-fractionated phytoplankton biomass and production in the tropical Atlantic. <i>Scientia Marina</i> , 2010, 75, 379-389.	0.6	17
18	Multi-model remote sensing assessment of primary production in the subtropical gyres. <i>Journal of Marine Systems</i> , 2019, 196, 97-106.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Large-scale meridional and zonal variability in the nitrogen isotopic composition of plankton in the Atlantic Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 1060-1073.	1.8	11
20	Quantifying the overestimation of planktonic N <sub>2</sub> fixation due to contamination of <sup>15</sup> N <sub>2</sub> gas stocks. <i>Journal of Plankton Research</i> , 2019, 41, 567-570.	1.8	3
21	The Photophysiological Response of Nitrogen-Limited Phytoplankton to Episodic Nitrogen Supply Associated With Tropical Instability Waves in the Equatorial Atlantic. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	3
22	An Adventure with Aquatic Scientists. <i>Limnology and Oceanography Bulletin</i> , 2019, 28, 16-17.	0.4	0