

# Eva Ortega-Retuerta

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,473  
citations

257450

24  
h-index

206112

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive Phytoplankton Blooms Under Arctic Sea Ice. <i>Science</i> , 2012, 336, 1408-1408.	12.6	606
2	Turnover time of fluorescent dissolved organic matter in the dark global ocean. <i>Nature Communications</i> , 2015, 6, 5986.	12.8	209
3	Carbon and nitrogen uptake and export in the equatorial Pacific at 150°W: Evidence of an efficient regenerated production cycle. <i>Journal of Geophysical Research</i> , 1999, 104, 3341-3356.	3.3	119
4	Effect of Saharan dust inputs on bacterial activity and community composition in Mediterranean lakes and reservoirs. <i>Limnology and Oceanography</i> , 2009, 54, 869-879.	3.1	111
5	Spatial variability of particle-attached and free-living bacterial diversity in surface waters from the Mackenzie River to the Beaufort Sea (Canadian Arctic). <i>Biogeosciences</i> , 2013, 10, 2747-2759.	3.3	110
6	Biodegradation of chromophoric dissolved organic matter by bacteria and krill in the Southern Ocean. <i>Limnology and Oceanography</i> , 2009, 54, 1941-1950.	3.1	88
7	Diversity of total and active free-living vs. particle-attached bacteria in the euphotic zone of the NW Mediterranean Sea. <i>FEMS Microbiology Letters</i> , 2009, 299, 9-21.	1.8	73
8	Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols. <i>Scientific Reports</i> , 2017, 7, 6047.	3.3	63
9	Effects of ultraviolet B radiation on (not so) transparent exopolymer particles. <i>Biogeosciences</i> , 2009, 6, 3071-3080.	3.3	62
10	The effects of a strong winter storm on physical and biological variables at a shelf site in the Mediterranean. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2003, 26, 407-419.	0.7	60
11	Water mass age and aging driving chromophoric dissolved organic matter in the dark global ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 917-934.	4.9	60
12	Significance of Bacterial Activity for the Distribution and Dynamics of Transparent Exopolymer Particles in the Mediterranean Sea. <i>Microbial Ecology</i> , 2010, 59, 808-818.	2.8	57
13	Carbon fluxes in the Canadian Arctic: patterns and drivers of bacterial abundance, production and respiration on the Beaufort Sea margin. <i>Biogeosciences</i> , 2012, 9, 3679-3692.	3.3	55
14	Uncoupled distributions of transparent exopolymer particles (TEP) and dissolved carbohydrates in the Southern Ocean. <i>Marine Chemistry</i> , 2009, 115, 59-65.	2.3	54
15	Distribution and photoreactivity of chromophoric dissolved organic matter in the Antarctic Peninsula (Southern Ocean). <i>Marine Chemistry</i> , 2010, 118, 129-139.	2.3	46
16	Ecosystem function and particle flux dynamics across the Mackenzie Shelf (Beaufort Sea, Arctic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 2833-2866.	3.3	42
17	Spatial variability of marine bacterial and archaeal communities along the particulate matter continuum. <i>Molecular Ecology</i> , 2017, 26, 6827-6840.	3.9	42
18	Nitrogen Limitation of the Summer Phytoplankton and Heterotrophic Prokaryote Communities in the Chukchi Sea. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	42

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19	Changes in bacterial community metabolism and composition during the degradation of dissolved organic matter from the jellyfish <i>Aurelia aurita</i> in a Mediterranean coastal lagoon. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13638-13653.	5.3	41
20	Contribution of transparent exopolymer particles to carbon sinking flux in an oligotrophic reservoir. <i>Biogeochemistry</i> , 2009, 96, 13-23.	3.5	34
21	Characteristics of colored dissolved organic matter (CDOM) in the Western Arctic Ocean: Relationships with microbial activities. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 44-52.	1.4	34
22	Spatiotemporal drivers of dissolved organic matter in high alpine lakes: Role of Saharan dust inputs and bacterial activity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	30
23	Exploring the relationship between active bacterioplankton and phytoplankton in the Southern Ocean. <i>Aquatic Microbial Ecology</i> , 2008, 52, 99-106.	1.8	30
24	Main drivers of transparent exopolymer particle distribution across the surface Atlantic Ocean. <i>Biogeosciences</i> , 2019, 16, 733-749.	3.3	29
25	Variation in transparent exopolymer particles in relation to biological and chemical factors in two contrasting lake districts. <i>Aquatic Sciences</i> , 2010, 72, 443-453.	1.5	26
26	Evidence of heterotrophic prokaryotic activity limitation by nitrogen in the Western Arctic Ocean during summer. <i>Polar Biology</i> , 2012, 35, 785-794.	1.2	26
27	Temperature control of microbial respiration and growth efficiency in the mesopelagic zone of the South Atlantic and Indian Oceans. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 95, 131-138.	1.4	26
28	Impact of an intense water column mixing (0–1500 m) on prokaryotic diversity and activities during an open-ocean convection event in the NW Mediterranean Sea. <i>Environmental Microbiology</i> , 2016, 18, 4378-4390.	3.8	26
29	Distribution of transparent exopolymer particles (TEP) in distinct regions of the Southern Ocean. <i>Science of the Total Environment</i> , 2019, 691, 736-748.	8.0	23
30	Geographical gradients of dissolved Vitamin B12 in the Mediterranean Sea. <i>Frontiers in Microbiology</i> , 2013, 4, 126.	3.5	21
31	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
32	Contribution of dust inputs to dissolved organic carbon and water transparency in Mediterranean reservoirs. <i>Biogeosciences</i> , 2012, 9, 5049-5060.	3.3	19
33	Observations of chromophoric dissolved and detrital organic matter distribution using remote sensing in the Southern Ocean: Validation, dynamics and regulation. <i>Journal of Marine Systems</i> , 2010, 82, 295-303.	2.1	17
34	Dissolved organic matter released by two marine heterotrophic bacterial strains and its bioavailability for natural prokaryotic communities. <i>Environmental Microbiology</i> , 2021, 23, 1363-1378.	3.8	16
35	Environmental gradients and physical barriers drive the basin-wide spatial structuring of Mediterranean Sea and adjacent eastern Atlantic Ocean prokaryotic communities. <i>Limnology and Oceanography</i> , 2021, 66, 4077-4095.	3.1	16
36	Effects of Dissolved Organic Matter Photoproducts and Mineral Nutrient Supply on Bacterial Growth in Mediterranean Inland Waters. <i>Microbial Ecology</i> , 2007, 54, 161-169.	2.8	15

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37	Horizontal and Vertical Distributions of Transparent Exopolymer Particles (TEP) in the NW Mediterranean Sea Are Linked to Chlorophyll a and O <sub>2</sub> Variability. <i>Frontiers in Microbiology</i> , 2016, 7, 2159.	3.5	15
38	Seasonal dynamics of transparent exopolymer particles (TEP) and their drivers in the coastal NW Mediterranean Sea. <i>Science of the Total Environment</i> , 2018, 631-632, 180-190.	8.0	15
39	Aerosol inputs affect the optical signatures of dissolved organic matter in NW Mediterranean coastal waters. <i>Scientia Marina</i> , 2016, 80, 437.	0.6	15
40	Editorial: Microbiology of the Rapidly Changing Polar Environments. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	14
41	Mismatched dynamics of dissolved organic carbon and chromophoric dissolved organic matter in the coastal NW Mediterranean Sea. <i>Science of the Total Environment</i> , 2020, 746, 141190.	8.0	13
42	Response of marine bacterioplankton to a massive under-ice phytoplankton bloom in the Chukchi Sea (Western Arctic Ocean). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 105, 74-84.	1.4	12
43	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. <i>Earth System Science Data</i> , 2021, 13, 1561-1592.	9.9	11
44	Assessing Viral Abundance and Community Composition in Four Contrasting Regions of the Southern Ocean. <i>Life</i> , 2020, 10, 107.	2.4	10
45	Size fractionation, chemotaxonomic groups and bio-optical properties of phytoplankton along a transect from the Mediterranean Sea to the SW Atlantic Ocean. <i>Scientia Marina</i> , 2019, 83, 87.	0.6	10
46	Variability of phytoplankton light absorption in stratified waters of the NW Mediterranean Sea: The interplay between pigment composition and the packaging effect. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 169, 103460.	1.4	4
47	Particulate and dissolved fluorescent organic matter fractionation and composition: Abiotic and ecological controls in the Southern Ocean. <i>Science of the Total Environment</i> , 2022, 844, 156921.	8.0	3
48	Uncoupled seasonal variability of transparent exopolymer and Coomassie stainable particles in coastal Mediterranean waters. <i>Elementa</i> , 2021, 9, .	3.2	1