

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

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206112

48
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49
all docs

49
docs citations

49
times ranked

3606
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Uncoupled seasonal variability of transparent exopolymer and Coomassie stainable particles in coastal Mediterranean waters. <i>Elementa</i> , 2021, 9, . | 3.2 | 1 |
| 7 | 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 |
| 8 | Assessing Viral Abundance and Community Composition in Four Contrasting Regions of the Southern Ocean. <i>Life</i> , 2020, 10, 107. | 2.4 | 10 |
| 9 | 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 |
| 10 | Main drivers of transparent exopolymer particle distribution across the surface Atlantic Ocean. <i>Biogeosciences</i> , 2019, 16, 733-749. | 3.3 | 29 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Editorial: Microbiology of the Rapidly Changing Polar Environments. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 14 |
| 16 | Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols. <i>Scientific Reports</i> , 2017, 7, 6047. | 3.3 | 63 |
| 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 | 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 |

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|----|---|------|-----------|
| 19 | Horizontal and Vertical Distributions of Transparent Exopolymer Particles (TEP) in the NW Mediterranean Sea Are Linked to Chlorophyll a and O ₂ Variability. <i>Frontiers in Microbiology</i> , 2016, 7, 2159. | 3.5 | 15 |
| 20 | 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 |
| 21 | 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 |
| 22 | Turnover time of fluorescent dissolved organic matter in the dark global ocean. <i>Nature Communications</i> , 2015, 6, 5986. | 12.8 | 209 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Ecosystem function and particle flux dynamics across the Mackenzie Shelf (Beaufort Sea, Arctic) Tj ETQq1 1 0.784314 rgBT /Overlock 2833-2866. | 3.3 | 42 |
| 28 | 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 |
| 29 | Geographical gradients of dissolved Vitamin B ₁₂ in the Mediterranean Sea. <i>Frontiers in Microbiology</i> , 2013, 4, 126. | 3.5 | 21 |
| 30 | 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 |
| 31 | Contribution of dust inputs to dissolved organic carbon and water transparency in Mediterranean reservoirs. <i>Biogeosciences</i> , 2012, 9, 5049-5060. | 3.3 | 19 |
| 32 | Massive Phytoplankton Blooms Under Arctic Sea Ice. <i>Science</i> , 2012, 336, 1408-1408. | 12.6 | 606 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Effects of ultraviolet B radiation on (not so) transparent exopolymer particles. <i>Biogeosciences</i> , 2009, 6, 3071-3080. | 3.3 | 62 |
| 39 | Contribution of transparent exopolymer particles to carbon sinking flux in an oligotrophic reservoir. <i>Biogeochemistry</i> , 2009, 96, 13-23. | 3.5 | 34 |
| 40 | 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 |
| 41 | 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 |
| 42 | Biogeneration 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Exploring the relationship between active bacterioplankton and phytoplankton in the Southern Ocean. <i>Aquatic Microbial Ecology</i> , 2008, 52, 99-106. | 1.8 | 30 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |