

Andres Cozar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

3,965

citations

26

h-index

62

g-index

68

ext. papers

5,068

ext. citations

5.2

avg, IF

5.2

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 63 | Plastic debris in the open ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10239-44 | 11.5 | 1509 |
| 62 | Plastic accumulation in the Mediterranean sea. <i>PLoS ONE</i> , 2015 , 10, e0121762 | 3.7 | 412 |
| 61 | The Arctic Ocean as a dead end for floating plastics in the North Atlantic branch of the Thermohaline Circulation. <i>Science Advances</i> , 2017 , 3, e1600582 | 14.3 | 298 |
| 60 | The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020 , 15, 023003 | 6.2 | 186 |
| 59 | Changes in the Floating Plastic Pollution of the Mediterranean Sea in Relation to the Distance to Land. <i>PLoS ONE</i> , 2016 , 11, e0161581 | 3.7 | 176 |
| 58 | The optical characterization of chromophoric dissolved organic matter using wavelength distribution of absorption spectral slopes. <i>Limnology and Oceanography</i> , 2009 , 54, 590-597 | 4.8 | 103 |
| 57 | Characterization of microplastic litter from oceans by an innovative approach based on hyperspectral imaging. <i>Waste Management</i> , 2018 , 76, 117-125 | 8.6 | 86 |
| 56 | Physical/Biological coupling in the Strait of Gibraltar. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 4115-4130 | 2.3 | 65 |
| 55 | Sediment resuspension by wind in a shallow lake of Esteros del Iberá (Argentina): a model based on turbidimetry. <i>Ecological Modelling</i> , 2005 , 186, 63-76 | 3 | 64 |
| 54 | The boiling-water phenomena at Camarinal Sill, the strait of Gibraltar. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 4097-4113 | 2.3 | 60 |
| 53 | Large-scale ocean connectivity and planktonic body size. <i>Nature Communications</i> , 2018 , 9, 142 | 17.4 | 53 |
| 52 | An interlaboratory comparison exercise for the determination of microplastics in standard sample bottles. <i>Marine Pollution Bulletin</i> , 2019 , 146, 831-837 | 6.7 | 51 |
| 51 | The Colors of the Ocean Plastics. <i>Environmental Science & Technology</i> , 2020 , 54, 6594-6601 | 10.3 | 47 |
| 50 | Measuring Marine Plastic Debris from Space: Initial Assessment of Observation Requirements. <i>Remote Sensing</i> , 2019 , 11, 2443 | 5 | 45 |
| 49 | Variability in factors causing light attenuation in Lake Victoria. <i>Freshwater Biology</i> , 2008 , 53, 535-545 | 3.1 | 44 |
| 48 | Daily, biweekly, and seasonal temporal scales of pCO ₂ variability in two stratified Mediterranean reservoirs. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 509-520 | 3.7 | 42 |
| 47 | An inshore/offshore sorting system revealed from global classification of ocean litter. <i>Nature Sustainability</i> , 2021 , 4, 484-493 | 22.1 | 39 |

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| 46 | Distribution of TEP in the euphotic and upper mesopelagic zones of the southern Iberian coasts. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006 , 53, 1314-1328 | 2.3 | 37 |
| 45 | Variability in photobleaching yields and their related impacts on optical conditions in subtropical lakes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009 , 95, 129-37 | 6.7 | 35 |
| 44 | Floating macrolitter leaked from Europe into the ocean. <i>Nature Sustainability</i> , 2021 , 4, 474-483 | 22.1 | 34 |
| 43 | Assessing the optical changes in dissolved organic matter in humic lakes by spectral slope distributions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 102, 132-9 | 6.7 | 32 |
| 42 | Remote sensing imagery analysis of the lacustrine system of Ibera wetland (Argentina). <i>Ecological Modelling</i> , 2005 , 186, 29-41 | 3 | 32 |
| 41 | The spatial distribution of optical properties in the ultraviolet and visible in an aquatic ecosystem. <i>Photochemistry and Photobiology</i> , 2004 , 80, 139-49 | 3.6 | 29 |
| 40 | Surface water circulation develops seasonally changing patterns of floating litter accumulation in the Mediterranean Sea. A modelling approach. <i>Marine Pollution Bulletin</i> , 2019 , 149, 110619 | 6.7 | 27 |
| 39 | Low Abundance of Plastic Fragments in the Surface Waters of the Red Sea. <i>Frontiers in Marine Science</i> , 2017 , 4, | 4.5 | 27 |
| 38 | Macroplastics Pollution in the Marine Environment 2019 , 305-328 | | 26 |
| 37 | Analysis of plankton size spectra irregularities in two subtropical shallow lakes (Esteros del Iberá Argentina). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2003 , 60, 411-420 | 2.4 | 25 |
| 36 | Size structure of the planktonic community in microcosms with different levels of turbulence. <i>Scientia Marina</i> , 2005 , 69, 187-197 | 1.8 | 24 |
| 35 | Basin-scale control on the phytoplankton biomass in Lake Victoria, Africa. <i>PLoS ONE</i> , 2012 , 7, e29962 | 3.7 | 23 |
| 34 | The contribution of migratory mesopelagic fishes to neuston fish assemblages across the Atlantic, Indian and Pacific Oceans. <i>Marine and Freshwater Research</i> , 2016 , 67, 1114 | 2.2 | 20 |
| 33 | Examining the dynamics of phytoplankton biomass in Lake Tanganyika using Empirical Orthogonal Functions. <i>Ecological Modelling</i> , 2007 , 204, 156-162 | 3 | 20 |
| 32 | Polyunsaturated aldehydes from large phytoplankton of the Atlantic Ocean surface (42°n to 33°s). <i>Marine Drugs</i> , 2014 , 12, 682-99 | 6 | 19 |
| 31 | Potential polyunsaturated aldehydes in the Strait of Gibraltar under two tidal regimes. <i>Marine Drugs</i> , 2014 , 12, 1438-59 | 6 | 18 |
| 30 | The role of wetlands in the chromophoric dissolved organic matter release and its relation to aquatic ecosystems optical properties. A case of study: Katonga and Bunjako Bays (Victoria Lake; Uganda). <i>Chemosphere</i> , 2006 , 63, 1170-8 | 8.4 | 17 |
| 29 | Analysis of extinction in ultraviolet and visible spectra of water bodies of the Paraguay and Brazil wetlands. <i>Chemosphere</i> , 2004 , 57, 1245-55 | 8.4 | 16 |

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| 28 | Relationships between wetland ecotones and inshore water quality in the Ugandan coast of Lake Victoria. <i>Wetlands Ecology and Management</i> , 2007 , 15, 499-507 | 2.1 | 14 |
| 27 | Macroecological patterns of the phytoplankton production of polyunsaturated aldehydes. <i>Scientific Reports</i> , 2018 , 8, 12282 | 4.9 | 14 |
| 26 | A multilevel dataset of microplastic abundance in the world's upper ocean and the Laurentian Great Lakes. <i>Microplastics and Nanoplastics</i> , 2021 , 1, | | 14 |
| 25 | Light limitations to algal growth in tropical ecosystems. <i>Freshwater Biology</i> , 2007 , 52, 305-312 | 3.1 | 13 |
| 24 | Potential effects of climate change on the water level, flora and macro-fauna of a large neotropical wetland. <i>PLoS ONE</i> , 2013 , 8, e67787 | 3.7 | 13 |
| 23 | Decadal trends and common dynamics of the bio-optical and thermal characteristics of the African Great Lakes. <i>PLoS ONE</i> , 2014 , 9, e93656 | 3.7 | 13 |
| 22 | The effects of landscape history and time-lags on plant invasion in Mediterranean coastal habitats. <i>Biological Invasions</i> , 2017 , 19, 549-561 | 2.7 | 12 |
| 21 | Extensive spatial analysis of the light environment in a subtropical shallow lake, Laguna Iberá Argentina. <i>Hydrobiologia</i> , 2005 , 534, 181-191 | 2.4 | 12 |
| 20 | Vegetation diversity in a large Neotropical wetland during two different climatic scenarios. <i>Biodiversity and Conservation</i> , 2011 , 20, 2007-2025 | 3.4 | 10 |
| 19 | Spatial dynamics of chromophoric dissolved organic matter in nearshore waters of Lake Victoria. <i>Aquatic Ecosystem Health and Management</i> , 2010 , 13, 185-195 | 1.4 | 10 |
| 18 | Modelling the components of the vertical attenuation of ultraviolet radiation in a wetland lake ecosystem. <i>Ecological Modelling</i> , 2005 , 186, 43-54 | 3 | 10 |
| 17 | Marine Litter Windrows: A Strategic Target to Understand and Manage the Ocean Plastic Pollution. <i>Frontiers in Marine Science</i> , 2021 , 8, | 4.5 | 10 |
| 16 | Structuring pelagic trophic networks from the biomass size spectra. <i>Ecological Modelling</i> , 2008 , 215, 314-324 | 3.3 | 9 |
| 15 | First report on vertical distribution of dissolved polyunsaturated aldehydes in marine coastal waters. <i>Marine Chemistry</i> , 2018 , 204, 1-10 | 3.7 | 9 |
| 14 | Litter Windrows in the South-East Coast of the Bay of Biscay: An Ocean Process Enabling Effective Active Fishing for Litter. <i>Frontiers in Marine Science</i> , 2020 , 7, | 4.5 | 7 |
| 13 | Invasiveness of <i>Galenia pubescens</i> (Aizoaceae): A new threat to Mediterranean-climate coastal ecosystems. <i>Acta Oecologica</i> , 2010 , 36, 39-45 | 1.7 | 7 |
| 12 | Towards Underwater Macroplastic Monitoring Using Echo Sounding. <i>Frontiers in Earth Science</i> , 2021 , 9, | 3.5 | 7 |
| 11 | Planktonic community metabolism in two stratified Mediterranean reservoirs with different trophic status. <i>Aquatic Ecosystem Health and Management</i> , 2013 , 16, 183-189 | 1.4 | 6 |

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| 10 | Tools for Wetland Ecosystem Resource Management in East Africa: Focus on the Lake Victoria Papyrus Wetlands. <i>Ecological Studies</i> , 2006 , 97-121 | 1.1 | 6 |
| 9 | Unravelling spatio-temporal patterns of suspended microplastic concentration in the Natura 2000 Guadalquivir estuary (SW Spain): Observations and model simulations. <i>Marine Pollution Bulletin</i> , 2021 , 170, 112622 | 6.7 | 6 |
| 8 | The optical qualities of shallow wetland lined bays in Lake Victoria. <i>Wetlands Ecology and Management</i> , 2007 , 15, 509-519 | 2.1 | 4 |
| 7 | Characterization of the Ugandan inshore waters of Lake Victoria based on temperature-conductivity diagrams. <i>Water Resources Research</i> , 2004 , 40, | 5.4 | 4 |
| 6 | An equation to estimate absolute population density from visual census of mobile animals. <i>Ecological Modelling</i> , 2015 , 303, 105-110 | 3 | 3 |
| 5 | Breaking Down the Plastic Age 2017 , 177-181 | | 3 |
| 4 | Human-threatened ecosystem: new signs of groundwater connection between Yacyreta reservoir and Ibera wetland (South America). <i>Science of the Total Environment</i> , 2005 , 337, 281-6 | 10.2 | 2 |
| 3 | Organic carbon sedimentation dominates over CO2 emission in two net heterotrophic Mediterranean reservoirs during stratification. <i>Aquatic Sciences</i> , 2016 , 78, 279-290 | 2.5 | 2 |
| 2 | Remote Sensing of African Lakes: A Review 2014 , 403-422 | | 1 |
| 1 | Drivers for spatial modelling of a critically endangered seabird on a dynamic ocean area: Balearic shearwaters are non-vegetarian. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021 , 31, 1700-1714 ^{2,6} | | 1 ¹ |