

# Carlos Ruberto Fragoso

## List of Publications by Year in descending order

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30  
papers

741  
citations

623188

14  
h-index

525886

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Environmental and Atmospheric Influences in the Use of SAR and Optical Imagery from Sentinel-1, Landsat-8, and Sentinel-2 in the Operational Monitoring of Reservoir Water Level. <i>Remote Sensing</i> , 2022, 14, 2218.	1.8	10
2	Southern coastal subtropical shallow lakes skin temperature driven by climatic and non-climatic factors. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 170.	1.3	1
3	Atmospheric and sunglint correction for retrieving chlorophyll-a in a productive tropical estuarine-lagoon system using Sentinel-2 MSI imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 174, 215-236.	4.9	37
4	Modeling the salinity dynamics of a choked coastal lagoon and its impact on the Sururu mussel ( <i>Mytella falcata</i> ) population. <i>Regional Studies in Marine Science</i> , 2021, 45, 101807.	0.4	3
5	Uncertainties Involved in the Use of Thresholds for the Detection of Water Bodies in Multitemporal Analysis from Landsat-8 and Sentinel-2 Images. <i>Sensors</i> , 2021, 21, 7494.	2.1	10
6	Improvement of Non-Hydrostatic Hydrodynamic Solution Using a Novel Free-Surface Boundary Condition. <i>Water (Switzerland)</i> , 2020, 12, 1271.	1.2	2
7	Derivation of consistent, continuous daily river temperature data series by combining remote sensing and water temperature models. <i>Remote Sensing of Environment</i> , 2020, 241, 111721.	4.6	18
8	Morphological modeling of long-term inlet channel evolution with an application to the MundaÃ Lagoon inlet, Brazil. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 235, 106618.	0.9	4
9	Combined Use of High-Resolution Numerical Schemes to Reduce Numerical Diffusion in Coupled Nonhydrostatic Hydrodynamic and Solute Transport Model. <i>Water (Switzerland)</i> , 2019, 11, 2288.	1.2	1
10	Assessing CERES Surface Radiation Components for Tropical and Subtropical Biomes. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 3826-3840.	2.3	4
11	Assessing the large-scale variation of heat budget in poorly gauged watershed-shallow lake system using a novel integrated modeling approach. <i>Journal of Hydrology</i> , 2019, 575, 244-256.	2.3	9
12	Comparison of Methods to Estimate Lake-Surface-Water Temperature Using Landsat 7 ETM+ and MODIS Imagery: Case Study of a Large Shallow Subtropical Lake in Southern Brazil. <i>Water (Switzerland)</i> , 2019, 11, 168.	1.2	28
13	Tidal exchange in a choked coastal lagoon: A study of MundaÃ Lagoon in northeastern Brazil. <i>Regional Studies in Marine Science</i> , 2018, 17, 133-142.	0.4	20
14	Key Climate Oscillation Factors Controlling Precipitation Variability during the Dry Season in Eastern Northeast Brazil: Study Case of MundaÃ and ParaÃba Do Meio River Basins. <i>Water (Switzerland)</i> , 2018, 10, 1617.	1.2	1
15	Can chlorophyll-a in meso-oligotrophic shallow waters be estimated using statistical approaches and empirical models from MODIS imagery?. <i>Revista Brasileira De Recursos Hidricos</i> , 2018, 23, .	0.5	0
16	A Multivariate Analysis Framework to Detect Key Environmental Factors Affecting Spatiotemporal Variability of Chlorophyll-a in a Tropical Productive Estuarine-Lagoon System. <i>Remote Sensing</i> , 2018, 10, 853.	1.8	6
17	Coupling large-scale hydrological and hydrodynamic modeling: Toward a better comprehension of watershed-shallow lake processes. <i>Journal of Hydrology</i> , 2018, 564, 424-441.	2.3	54
18	Assessment of Chlorophyll-a Remote Sensing Algorithms in a Productive Tropical Estuarine-Lagoon System. <i>Remote Sensing</i> , 2017, 9, 516.	1.8	43

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19	Process-based modeling of shallow lake metabolism: Spatio-temporal variability and relative importance of individual processes. <i>Ecological Modelling</i> , 2016, 323, 28-40.	1.2	14
20	Effects of food web complexity on top-down control in tropical lakes. <i>Ecological Modelling</i> , 2016, 320, 358-365.	1.2	19
21	A conservative finite volume scheme with time-accurate local time stepping for scalar transport on unstructured grids. <i>Advances in Water Resources</i> , 2015, 86, 217-230.	1.7	15
22	Spatio-temporal Variability of Chlorophyll-A in the Coastal Zone of Northeastern Brazil. <i>Estuaries and Coasts</i> , 2015, 38, 72-83.	1.0	7
23	Assessment of numerical schemes for solving the advection-diffusion equation on unstructured grids: case study of the Guaíba River, Brazil. <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 1113-1125.	0.6	4
24	Avaliação do efeito da urbanização na produção de sedimentos da bacia do rio Jacarecica/AL mediante uso de modelo hidrossedimentológico distribuído. <i>Revista Brasileira De Ciencia Do Solo</i> , 2013, 37, 1073-1080.	0.5	2
25	A community-based framework for aquatic ecosystem models. <i>Hydrobiologia</i> , 2012, 683, 25-34.	1.0	87
26	Potential effects of climate change and eutrophication on a large subtropical shallow lake. <i>Environmental Modelling and Software</i> , 2011, 26, 1337-1348.	1.9	60
27	Challenges and opportunities for integrating lake ecosystem modelling approaches. <i>Aquatic Ecology</i> , 2010, 44, 633-667.	0.7	208
28	IPH-TRIM3D-PLake: A three-dimensional complex dynamic model for subtropical aquatic ecosystems. <i>Environmental Modelling and Software</i> , 2009, 24, 1347-1348.	1.9	17
29	Modelling spatial heterogeneity of phytoplankton in Lake Mangueira, a large shallow subtropical lake in South Brazil. <i>Ecological Modelling</i> , 2008, 219, 125-137.	1.2	57
30	Effect of spatial and temporal variability of gauged and radar rainfall data on hydrological modeling of urban basins. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 26, .	0.5	0