Carlos Ruberto Fragoso

List of Publications by Year
in descending order

30 papers	741 citations	623734 14 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1003 citing authors

#	Article	IF	Citations
1	Challenges and opportunities for integrating lake ecosystem modelling approaches. Aquatic Ecology, 2010, 44, 633-667.	1.5	208
2	A community-based framework for aquatic ecosystem models. Hydrobiologia, 2012, 683, 25-34.	2.0	87
3	Potential effects of climate change and eutrophication on a large subtropical shallow lake. Environmental Modelling and Software, 2011, 26, 1337-1348.	4.5	60
4	Modelling spatial heterogeneity of phytoplankton in Lake Mangueira, a large shallow subtropical lake in South Brazil. Ecological Modelling, 2008, 219, 125-137.	2.5	57
5	Coupling large-scale hydrological and hydrodynamic modeling: Toward a better comprehension of watershed-shallow lake processes. Journal of Hydrology, 2018, 564, 424-441.	5.4	54
6	Assessment of Chlorophyll-a Remote Sensing Algorithms in a Productive Tropical Estuarine-Lagoon System. Remote Sensing, 2017, 9, 516.	4.0	43
7	Atmospheric and sunglint correction for retrieving chlorophyll-a in a productive tropical estuarine-lagoon system using Sentinel-2 MSI imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 215-236.	11.1	37
8	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. Water (Switzerland), 2019, 11, 168.	2.7	28
9	Tidal exchange in a choked coastal lagoon: A study of Mundaú Lagoon in northeastern Brazil. Regional Studies in Marine Science, 2018, 17, 133-142.	0.7	20
10	Effects of food web complexity on top-down control in tropical lakes. Ecological Modelling, 2016, 320, 358-365.	2.5	19
11	Derivation of consistent, continuous daily river temperature data series by combining remote sensing and water temperature models. Remote Sensing of Environment, 2020, 241, 111721.	11.0	18
12	IPH-TRIM3D-PCLake: A three-dimensional complex dynamic model for subtropical aquatic ecosystems. Environmental Modelling and Software, 2009, 24, 1347-1348.	4.5	17
13	A conservative finite volume scheme with time-accurate local time stepping for scalar transport on unstructured grids. Advances in Water Resources, 2015, 86, 217-230.	3.8	15
14	Process-based modeling of shallow lake metabolism: Spatio-temporal variability and relative importance of individual processes. Ecological Modelling, 2016, 323, 28-40.	2.5	14
15	Uncertainties Involved in the Use of Thresholds for the Detection of Water Bodies in Multitemporal Analysis from Landsat-8 and Sentinel-2 Images. Sensors, 2021, 21, 7494.	3.8	10
16	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. Remote Sensing, 2022, 14, 2218.	4.0	10
17	Assessing the large-scale variation of heat budget in poorly gauged watershed-shallow lake system using a novel integrated modeling approach. Journal of Hydrology, 2019, 575, 244-256.	5.4	9
18	Spatio-temporal Variability of Chlorophyll-A in the Coastal Zone of Northeastern Brazil. Estuaries and Coasts, 2015, 38, 72-83.	2.2	7

#	Article	IF	Citations
19	A Multivariate Analysis Framework to Detect Key Environmental Factors Affecting Spatiotemporal Variability of Chlorophyll-a in a Tropical Productive Estuarine-Lagoon System. Remote Sensing, 2018, 10, 853.	4.0	6
20	Assessment of numerical schemes for solving the advection–diffusion equation on unstructured grids: case study of the GuaÃba River, Brazil. Nonlinear Processes in Geophysics, 2013, 20, 1113-1125.	1.3	4
21	Assessing CERES Surface Radiation Components for Tropical and Subtropical Biomes. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3826-3840.	4.9	4
22	Morphological modeling of long-term inlet channel evolution with an application to the MundaÃº Lagoon inlet, Brazil. Estuarine, Coastal and Shelf Science, 2020, 235, 106618.	2.1	4
23	Modeling the salinity dynamics of a choked coastal lagoon and its impact on the Sururu mussel (Mytella falcata) population. Regional Studies in Marine Science, 2021, 45, 101807.	0.7	3
24	Improvement of Non-Hydrostatic Hydrodynamic Solution Using a Novel Free-Surface Boundary Condition. Water (Switzerland), 2020, 12, 1271.	2.7	2
25	AvaliaÃ§Ã£o do efeito da urbanizaÃ§Ã£o na produÃ§Ã£o de sedimentos da bacia do rio Jacarecica/AL mediante uso de modelo hidrossedimentolÃ³gico distribuÃdo. Revista Brasileira De Ciencia Do Solo, 2013, 37, 1073-1080.	1.3	2
26	Key Climate Oscillation Factors Controlling Precipitation Variability during the Dry Season in Eastern Northeast Brazil: Study Case of MundaÃº and ParaÃba Do Meio River Basins. Water (Switzerland), 2018, 10, 1617.	2.7	1
27	Combined Use of High-Resolution Numerical Schemes to Reduce Numerical Diffusion in Coupled Nonhydrostatic Hydrodynamic and Solute Transport Model. Water (Switzerland), 2019, 11, 2288.	2.7	1
28	Southern coastal subtropical shallow lakes skin temperature driven by climatic and non-climatic factors. Environmental Monitoring and Assessment, 2021, 193, 170.	2.7	1
29	Can chlorophyll-a in meso-oligotrophic shallow waters be estimated using statistical approaches and empirical models from MODIS imagery?. Revista Brasileira De Recursos Hidricos, 2018, 23, .	0.5	0
30	Effect of spatial and temporal variability of gauged and radar rainfall data on hydrological modelingof urban basins. Revista Brasileira De Recursos Hidricos, 0, 26, .	0.5	0