

Lei Ren

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

206
citations

1163117
8
h-index

1058476
14
g-index

22
all docs

22
docs citations

22
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing observed circulation patterns within a bay using HF radar and numerical model simulations. <i>Journal of Marine Systems</i> , 2015, 142, 96-110.	2.1	56
2	Observation and modeling of tide- and wind-induced surface currents in Galway Bay. <i>Water Science and Engineering</i> , 2015, 8, 345-352.	3.2	26
3	Applying a New Force-Velocity Synchronizing Algorithm to Derive Drag Coefficients of Rigid Vegetation in Oscillatory Flows. <i>Water (Switzerland)</i> , 2018, 10, 906.	2.7	17
4	Decadal variability of tidal dynamics in the Pearl River Delta: Spatial patterns, causes, and implications for estuarine water management. <i>Hydrological Processes</i> , 2018, 32, 3805-3819.	2.6	14
5	Forecasting of Surface Currents via Correcting Wind Stress with Assimilation of High-Frequency Radar Data in a Three-Dimensional Model. <i>Advances in Meteorology</i> , 2016, 2016, 1-12.	1.6	12
6	Wave Breaking Induced by Opposing Currents in Submerged Vegetation Canopies. <i>Water Resources Research</i> , 2022, 58, .	4.2	12
7	Short-Term Forecasting of Coastal Surface Currents Using High Frequency Radar Data and Artificial Neural Networks. <i>Remote Sensing</i> , 2018, 10, 850.	4.0	11
8	Sensitivity Tests of Direct Insertion Data Assimilation with Pseudo Measurements. <i>International Journal of Computer and Communication Engineering</i> , 2014, 3, 460-463.	0.2	9
9	Robust Path-Following Control of Underactuated ALVs with Multiple Uncertainties in the Vertical Plane. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 238.	2.6	7
10	Sensitivity analysis of a data assimilation technique for hindcasting and forecasting hydrodynamics of a complex coastal water body. <i>Computers and Geosciences</i> , 2017, 99, 81-90.	4.2	6
11	Investigations into Synoptic Spatiotemporal Characteristics of Coastal Upper Ocean Circulation Using High Frequency Radar Data and Model Output. <i>Remote Sensing</i> , 2020, 12, 2841.	4.0	6
12	A comparison of acoustic and observed sediment classifications as predictor variables for modelling biotope distributions in Galway Bay, Ireland. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 197, 258-270.	2.1	5
13	The Effect of Wind Forcing on Modeling Coastal Circulation at a Marine Renewable Test Site. <i>Energies</i> , 2017, 10, 2114.	3.1	5
14	Estimation of Coastal Currents Using a Soft Computing Method: A Case Study in Galway Bay, Ireland. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 157.	2.6	5
15	Hindcasting and Forecasting of Surface Flow Fields through Assimilating High Frequency Remotely Sensing Radar Data. <i>Remote Sensing</i> , 2017, 9, 932.	4.0	4
16	Numerical investigation of interface capturing method by the Rayleigh-Taylor instability, dambreak and solitary wave problems. <i>Ocean Engineering</i> , 2019, 194, 106583.	4.3	4
17	Data assimilation with High-Frequency (HF) radar surface currents at a marine renewable energy test site. , 2015, , 189-193.		4
18	Prediction of coastal surface currents using numerical model and soft computing model. <i>Energy Procedia</i> , 2018, 153, 16-21.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Comparative Study on Assimilating Remote Sensing High Frequency Radar Surface Currents at an Atlantic Marine Renewable Energy Test Site. Remote Sensing, 2017, 9, 1331.	4.0	1
20	Analysis on the Flow Passed a Pervious Cubic-Blunt Body Based on Large Eddy Simulation. Applied Mechanics and Materials, 0, 353-356, 2477-2481.	0.2	0
21	Investigations into influences of wind field resolution on simulating surface currents for Galway Bay. Energy Procedia, 2017, 136, 151-156.	1.8	0
22	Surface vector fields estimation using soft computing and remote sensing data at an open water marine renewable test site. Energy Reports, 2020, 6, 874-877.	5.1	0