Redouane Lguensat

List of Publications by Year
in descending order

21 papers	409 citations	1040056 9 h-index	1372567 10 g-index
30 all docs	30 docs citations	30 times ranked	368 citing authors

#	Article	IF	Citations
1	The Analog Data Assimilation. Monthly Weather Review, 2017, 145, 4093-4107.	1.4	90
2	EddyNet: A Deep Neural Network For Pixel-Wise Classification of Oceanic Eddies. , 2018, , .		79
3	Bridging observations, theory and numerical simulation of the ocean using machine learning. Environmental Research Letters, 2021, 16, 073008.	5.2	40
4	Data-Driven Models for the Spatio-Temporal Interpolation of Satellite-Derived SST Fields. IEEE Transactions on Computational Imaging, 2017, 3, 647-657.	4.4	28
5	A Deep Framework for Eddy Detection and Tracking From Satellite Sea Surface Height Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7224-7234.	6.3	27
6	Physical invariance in neural networks for subgrid-scale scalar flux modeling. Physical Review Fluids, 2021, 6, .	2.5	25
7	Data-Driven Interpolation of Sea Level Anomalies Using Analog Data Assimilation. Remote Sensing, 2019, 11, 858.	4.0	18
8	Reinforcement Learning Based Algorithm for the Maximization of EV Charging Station Revenue. , 2014, , .		16
9	Ocean Front Detection From Instant Remote Sensing SST Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1960-1964.	3.1	16
10	Revealing the Impact of Global Heating on North Atlantic Circulation Using Transparent Machine Learning. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002496.	3.8	16
11	Spatio-Temporal Interpolation of Cloudy SST Fields Using Conditional Analog Data Assimilation. Remote Sensing, 2018, 10, 310.	4.0	12
12	Spatio-temporal interpolation of sea surface temperature using high resolution remote sensing data. , 2014, , .		7
13	Classification Algorithms for Semi-Blind Uplink/Downlink Decoupling in Sub-6 GHz/mmWave 5G Networks. , 2019, , .		7
14	An Efficient Algorithm for Ocean-Front Evolution Trend Recognition. Remote Sensing, 2022, 14, 259.	4.0	6
15	Data-driven assimilation of irregularly-sampled image time series. , 2017, , .		5
16	Using archived datasets for missing data interpolation in ocean remote sensing observation series. , 2016, , .		3
17	The 2020 Climate Informatics Hackathon: Generating Nighttime Satellite Imagery from Infrared Observations. , 2020, , .		2
18	Non-parametric Ensemble Kalman methods for the inpainting of noisy dynamic textures. , 2015, , .		1

#	Article	IF	Citations
19	Spatio-temporal interpolation of altimeter-derived SSH fields using analog data assimilation: A case-study in the south china sea. , 2017, , .		1
20	Filtering Internal Tides from Wide-Swath Altimeter Data Using Convolutional Neural Networks. , 2020, , .		1
21	An exemplar-based hidden Markov model framework for nonlinear state-space models. , 2016, , .		0