

Ernesto RodrÃ-guez

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

7,679
citations

471061

17
h-index

580395

25
g-index

35
all docs

35
docs citations

35
times ranked

11008
citing authors

#	ARTICLE	IF	CITATIONS
1	Separating Energetic Internal Gravity Waves and Small-Scale Frontal Dynamics. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
2	A Ka-Band Wind Geophysical Model Function Using Doppler Scatterometer Measurements from the Air-Sea Interaction Tower Experiment. <i>Remote Sensing</i> , 2022, 14, 2067.	1.8	1
3	Towards a Characterization of the Ka-Band Ocean Surface Backscattering Mechanisms. , 2021, , .		0
4	On the Surface Current Measurement Capabilities of Spaceborne Doppler Scatterometry. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090116.	1.5	10
5	Ka-Band Doppler Scatterometry over a Loop Current Eddy. <i>Remote Sensing</i> , 2020, 12, 2388.	1.8	11
6	Observing Rivers With Varying Spatial Scales. <i>Water Resources Research</i> , 2020, 56, e2019WR026476.	1.7	12
7	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020, 15, 023003.	2.2	469
8	Measuring Winds and Currents with Ka-Band Doppler Scatterometry: An Airborne Implementation and Progress towards a Spaceborne Mission. <i>Remote Sensing</i> , 2020, 12, 1021.	1.8	9
9	S-MODE: The Sub-Mesoscale Ocean Dynamics Experiment. , 2020, , .		9
10	Toward the Integrated Marine Debris Observing System. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	178
11	Integrated Observations of Global Surface Winds, Currents, and Waves: Requirements and Challenges for the Next Decade. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	60
12	Remotely Sensed Winds and Wind Stresses for Marine Forecasting and Ocean Modeling. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	71
13	Mapping Water Surface Elevation and Slope in the Mississippi River Delta Using the AirSWOT Ka-Band Interferometric Synthetic Aperture Radar. <i>Remote Sensing</i> , 2019, 11, 2739.	1.8	15
14	The Winds and Currents Mission Concept. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	51
15	On the Optimal Design of Doppler Scatterometers. <i>Remote Sensing</i> , 2018, 10, 1765.	1.8	18
16	Estimating Ocean Vector Winds and Currents Using a Ka-Band Pencil-Beam Doppler Scatterometer. <i>Remote Sensing</i> , 2018, 10, 576.	1.8	67
17	Soil Moisture and Vegetation Water Content Retrieval Using QuikSCAT Data. <i>Remote Sensing</i> , 2018, 10, 636.	1.8	15
18	Measuring currents, ice drift, and waves from space: the Sea surface Kinematics Multiscale monitoring (SKIM) concept. <i>Ocean Science</i> , 2018, 14, 337-354.	1.3	87

#	ARTICLE	IF	CITATIONS
19	Automated River Reach Definition Strategies: Applications for the Surface Water and Ocean Topography Mission. <i>Water Resources Research</i> , 2017, 53, 8164-8186.	1.7	46
20	Winds and currents mission: Ability to observe mesoscale AIR/SEA coupling. , 2016, , .		17
21	Impact of Surface Waves on SWOT's Projected Ocean Accuracy. <i>Remote Sensing</i> , 2015, 7, 14509-14529.	1.8	30
22	Estimating reach-averaged discharge for the River Severn from measurements of river water surface elevation and slope. <i>Journal of Hydrology</i> , 2014, 511, 92-104.	2.3	126
23	Near nadir Ka-band sar interferometry: SWOT airborne experiment. , 2011, , .		10
24	The Surface Water and Ocean Topography Mission: Observing Terrestrial Surface Water and Oceanic Submesoscale Eddies. <i>Proceedings of the IEEE</i> , 2010, 98, 766-779.	16.4	261
25	Estimating River Depth From Remote Sensing Swath Interferometry Measurements of River Height, Slope, and Width. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2010, 3, 20-31.	2.3	94
26	Preliminary Characterization of SWOT Hydrology Error Budget and Global Capabilities. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2010, 3, 6-19.	2.3	94
27	The Shuttle Radar Topography Mission. <i>Reviews of Geophysics</i> , 2007, 45, .	9.0	5,113
28	Measuring surface water from space. <i>Reviews of Geophysics</i> , 2007, 45, .	9.0	744
29	The effect of small-wave modulation on the electromagnetic bias. <i>Journal of Geophysical Research</i> , 1992, 97, 2379-2389.	3.3	30