

SÃ©bastien Guimbard

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

569
citations

759233

12
h-index

713466

21
g-index

33
all docs

33
docs citations

33
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea surface salinity estimates from spaceborne L-band radiometers: An overview of the first decade of observation (2010â€“2019). <i>Remote Sensing of Environment</i> , 2020, 242, 111769.	11.0	120
2	SMOS first data analysis for sea surface salinity determination. <i>International Journal of Remote Sensing</i> , 2013, 34, 3654-3670.	2.9	81
3	A revised L-band radio-brightness sensitivity to extreme winds under Tropical Cyclones: the five year SMOS-storm database. <i>Remote Sensing of Environment</i> , 2016, 180, 274-291.	11.0	57
4	SMOS Semi-Empirical Ocean Forward Model Adjustment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 1676-1687.	6.3	45
5	A study of the slope probability density function of the ocean waves from radar observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
6	Seasonal and interannual variability of the <sc>E</sc>astern <sc>T</sc>ropical <sc>P</sc>acific <sc>F</sc>resh <sc>P</sc>ool. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1749-1771.	2.6	30
7	Satelliteâ€Based Sea Surface Salinity Designed for Ocean and Climate Studies. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017676.	2.6	29
8	Satellite Observations of the Sea Surface Salinity Response to Tropical Cyclones. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	28
9	Characterization of the SMOS Instrumental Error Pattern Correction Over the Ocean. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 793-797.	3.1	23
10	Eastern Mediterranean salinification observed in satellite salinity from SMAP mission. <i>Journal of Marine Systems</i> , 2019, 198, 103190.	2.1	22
11	Detecting the surface salinity signature of <sc>G</sc>ulf <sc>S</sc>team coldâ€core rings in <sc>A</sc>quarius synergistic products. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 859-874.	2.6	20
12	A new space technology for ocean observation: the SMOS mission. <i>Scientia Marina</i> , 2012, 76, 249-259.	0.6	13
13	Review of the CALIMAS Team Contributions to European Space Agencyâ€™s Soil Moisture and Ocean Salinity Mission Calibration and Validation. <i>Remote Sensing</i> , 2012, 4, 1272-1309.	4.0	11
14	Toward an Optimal Estimation of the SMOS Antenna-Frame Systematic Errors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 4752-4760.	6.3	10
15	Synergy between Ocean Variables: Remotely Sensed Surface Temperature and Chlorophyll Concentration Coherence. <i>Remote Sensing</i> , 2020, 12, 1153.	4.0	7
16	Reply to comment by Paul A. Hwang on â€A study of the slope probability density function of the ocean waves from radar observationsâ€by D. Hauser et al.. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	6
17	Using Remotely Sensed Sea Surface Salinity and Colored Detrital Matter to Characterize Freshened Surface Layers in the Kara and Laptev Seas during the Ice-Free Season. <i>Remote Sensing</i> , 2021, 13, 3828.	4.0	6
18	The Salinity Pilot-Mission Exploitation Platform (Pi-MEP): A Hub for Validation and Exploitation of Satellite Sea Surface Salinity Data. <i>Remote Sensing</i> , 2021, 13, 4600.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Preparing the potential and challenge of remote sensing-based sea surface salinity estimation: the CoSMOS airborne campaign. Proceedings of SPIE, 2008, , .	0.8	3
20	Reducing systematic errors on SMOS retrieved salinity: Calibration of brightness temperature images and forward model improvement. , 2011, , .		3
21	Assessment of the SMOS inversion scheme for salinity and wind speed retrieval purposes. European Journal of Remote Sensing, 2013, 46, 855-873.	3.5	3
22	Satellite and In Situ Sampling Mismatches: Consequences for the Estimation of Satellite Sea Surface Salinity Uncertainties. Remote Sensing, 2022, 14, 1878.	4.0	3
23	CCI+SSS, A New SMOS L2 Reprocessing Reduces Errors on Sea Surface Salinity Time Series. , 2021, , .		2
24	Impact of the Local Oscillator calibration on the SMOS sea surface Salinity maps. , 2012, , .		1
25	SMOS CP34 soil moisture and ocean salinity maps. , 2012, , .		1
26	Probability density function of ocean surface slopes from radar observations. , 2007, , .		0
27	Impact of surface roughness on L-band emissivity of the ocean -Theoretical and empirical analysis-. , 2008, , .		0
28	Assessing ocean salinity retrieval using WindSAT data over the Amazone river plume and North Brazil Current retroflection. , 2008, , .		0
29	SMOS Level 3 Salinity Maps at CATDS: What do We Learn with Recent Reprocessings?. , 2021, , .		0