

SÃ©bastien Guimbard

List of Publications by Year in descending order

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papers

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docs citations

33
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite and In Situ Sampling Mismatches: Consequences for the Estimation of Satellite Sea Surface Salinity Uncertainties. Remote Sensing, 2022, 14, 1878.	4.0	3
2	Satellite Observations of the Sea Surface Salinity Response to Tropical Cyclones. Geophysical Research Letters, 2021, 48, .	4.0	28
3	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. Remote Sensing, 2021, 13, 3828.	4.0	6
4	SMOS Level 3 Salinity Maps at CATDS: What do We Learn with Recent Reprocessings?. , 2021, , .		0
5	CCI+SSS, A New SMOS L2 Reprocessing Reduces Errors on Sea Surface Salinity Time Series. , 2021, , .		2
6	Satellite-Based Sea Surface Salinity Designed for Ocean and Climate Studies. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017676.	2.6	29
7	The Salinity Pilot-Mission Exploitation Platform (Pi-MEP): A Hub for Validation and Exploitation of Satellite Sea Surface Salinity Data. Remote Sensing, 2021, 13, 4600.	4.0	6
8	Synergy between Ocean Variables: Remotely Sensed Surface Temperature and Chlorophyll Concentration Coherence. Remote Sensing, 2020, 12, 1153.	4.0	7
9	Sea surface salinity estimates from spaceborne L-band radiometers: An overview of the first decade of observation (2010â€“2019). Remote Sensing of Environment, 2020, 242, 111769.	11.0	120
10	Eastern Mediterranean salinification observed in satellite salinity from SMAP mission. Journal of Marine Systems, 2019, 198, 103190.	2.1	22
11	Seasonal and interannual variability of the Eastern Tropical Pacific Fresh Pool. Journal of Geophysical Research: Oceans, 2017, 122, 1749-1771.	2.6	30
12	A revised L-band radio-brightness sensitivity to extreme winds under Tropical Cyclones: the five year SMOS-storm database. Remote Sensing of Environment, 2016, 180, 274-291.	11.0	57
13	Detecting the surface salinity signature of Gulf Stream cold-core rings in Aquarius synergistic products. Journal of Geophysical Research: Oceans, 2015, 120, 859-874.	2.6	20
14	Toward an Optimal Estimation of the SMOS Antenna-Frame Systematic Errors. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4752-4760.	6.3	10
15	SMOS first data analysis for sea surface salinity determination. International Journal of Remote Sensing, 2013, 34, 3654-3670.	2.9	81
16	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
17	Impact of the Local Oscillator calibration on the SMOS sea surface Salinity maps. , 2012, , .		1
18	Characterization of the SMOS Instrumental Error Pattern Correction Over the Ocean. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 793-797.	3.1	23

#	ARTICLE	IF	CITATIONS
19	SMOS Semi-Empirical Ocean Forward Model Adjustment. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1676-1687.	6.3	45
20	SMOS CP34 soil moisture and ocean salinity maps. , 2012, , .		1
21	Review of the CALIMAS Team Contributions to European Space Agency's Soil Moisture and Ocean Salinity Mission Calibration and Validation. Remote Sensing, 2012, 4, 1272-1309.	4.0	11
22	A new space technology for ocean observation: the SMOS mission. Scientia Marina, 2012, 76, 249-259.	0.6	13
23	Reducing systematic errors on SMOS retrieved salinity: Calibration of brightness temperature images and forward model improvement. , 2011, , .		3
24	Reply to comment by Paul A. Hwang on "A study of the slope probability density function of the ocean waves from radar observations" by D. Hauser et al.. Journal of Geophysical Research, 2009, 114, .	3.3	6
25	A study of the slope probability density function of the ocean waves from radar observations. Journal of Geophysical Research, 2008, 113, .	3.3	34
26	Impact of surface roughness on L-band emissivity of the ocean -Theoretical and empirical analysis-. , 2008, , .		0
27	Assessing ocean salinity retrieval using WindSAT data over the Amazone river plume and North Brazil Current retroflection. , 2008, , .		0
28	Preparing the potential and challenge of remote sensing-based sea surface salinity estimation: the CoSMOS airborne campaign. Proceedings of SPIE, 2008, , .	0.8	3
29	Probability density function of ocean surface slopes from radar observations. , 2007, , .		0