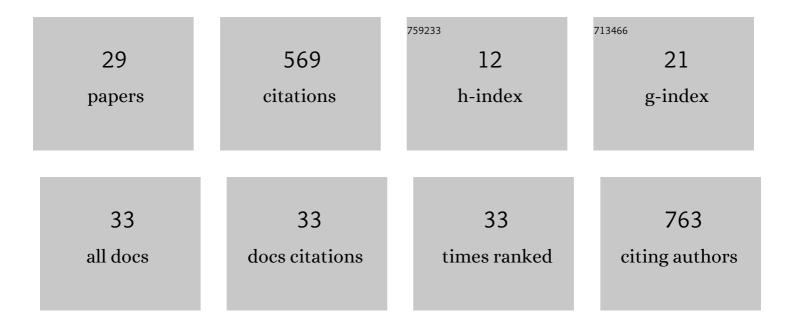
Sébastien Guimbard

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sea surface salinity estimates from spaceborne L-band radiometers: An overview of the first decade of observation (2010–2019). Remote Sensing of Environment, 2020, 242, 111769.	11.0	120
2	SMOS first data analysis for sea surface salinity determination. International Journal of Remote Sensing, 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. Remote Sensing of Environment, 2016, 180, 274-291.	11.0	57
4	SMOS Semi-Empirical Ocean Forward Model Adjustment. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1676-1687.	6.3	45
5	A study of the slope probability density function of the ocean waves from radar observations. Journal of Geophysical Research, 2008, 113, .	3.3	34
6	Seasonal and interannual variability of the <scp>E</scp> astern <scp>T</scp> ropical <scp>P</scp> acific <scp>F</scp> resh <scp>P</scp> ool. Journal of Geophysical Research: Oceans, 2017, 122, 1749-1771.	2.6	30
7	Satelliteâ€Based Sea Surface Salinity Designed for Ocean and Climate Studies. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017676.	2.6	29
8	Satellite Observations of the Sea Surface Salinity Response to Tropical Cyclones. Geophysical Research Letters, 2021, 48, .	4.0	28
9	Characterization of the SMOS Instrumental Error Pattern Correction Over the Ocean. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 793-797.	3.1	23
10	Eastern Mediterranean salinification observed in satellite salinity from SMAP mission. Journal of Marine Systems, 2019, 198, 103190.	2.1	22
11	Detecting the surface salinity signature of <scp>G</scp> ulf <scp>S</scp> tream coldâ€core rings in <scp>A</scp> quarius synergistic products. Journal of Geophysical Research: Oceans, 2015, 120, 859-874.	2.6	20
12	A new space technology for ocean observation: the SMOS mission. Scientia Marina, 2012, 76, 249-259.	0.6	13
13	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
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	Synergy between Ocean Variables: Remotely Sensed Surface Temperature and Chlorophyll Concentration Coherence. Remote Sensing, 2020, 12, 1153.	4.0	7
16	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
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. Remote Sensing, 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. Remote Sensing, 2021, 13, 4600.	4.0	6

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#	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, , .		О