

Manuel MartÃ- n Neira

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

3,320
citations

430874

18
h-index

454955

30
g-index

39
all docs

39
docs citations

39
times ranked

2628
citing authors

#	ARTICLE	IF	CITATIONS
1	The SMOS Mission: New Tool for Monitoring Key Elements of the Global Water Cycle. Proceedings of the IEEE, 2010, 98, 666-687.	21.3	1,507
2	SMOS: The Challenging Sea Surface Salinity Measurement From Space. Proceedings of the IEEE, 2010, 98, 649-665.	21.3	339
3	SMOS: The Payload. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 594-605.	6.3	255
4	The PARIS Ocean Altimeter In-Orbit Demonstrator. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2209-2237.	6.3	195
5	First spaceborne phase altimetry over sea ice using TechDemoSat-1 GNSS-R signals. Geophysical Research Letters, 2017, 44, 8369-8376.	4.0	150
6	Altimetric Analysis of the Sea-Surface GPS-Reflected Signals. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2119-2127.	6.3	140
7	Consolidating the Precision of Interferometric GNSS-R Ocean Altimetry Using Airborne Experimental Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4992-5004.	6.3	130
8	GEROS-ISS: GNSS Reflectometry, Radio Occultation, and Scatterometry Onboard the International Space Station. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4552-4581.	4.9	99
9	Altimetry with GNSS-R interferometry: first proof of concept experiment. GPS Solutions, 2012, 16, 231-241.	4.3	81
10	MIRAS Calibration and Performance: Results From the SMOS In-Orbit Commissioning Phase. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3147-3155.	6.3	73
11	Revisiting the GNSS-R Waveform Statistics and Its Impact on Altimetric Retrievals. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2854-2871.	6.3	65
12	Simulations of imaging the event horizon of Sagittarius A* from space. Astronomy and Astrophysics, 2019, 625, A124.	5.1	48
13	SMOS Calibration and Instrument Performance After One Year in Orbit. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 654-670.	6.3	31
14	On-Ground Characterization of the SMOS Payload. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3123-3133.	6.3	30
15	Towards a SMOS Operational Mission: SMOSOps-Hexagonal. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1769-1780.	4.9	26
16	Cookie: A Satellite Concept for GNSS Remote Sensing Constellations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4593-4610.	4.9	26
17	Radiometric Performance of SMOS Full Polarimetric Imaging. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1454-1458.	3.1	19
18	A Software-Defined GNSS Reflectometry Recording Receiver with Wide-Bandwidth, Multi-Band Capability and Digital Beam-Forming. Remote Sensing, 2017, 9, 450.	4.0	18

#	ARTICLE	IF	CITATIONS
19	Triple Collocation Analysis for Two Error-Correlated Datasets: Application to L-Band Brightness Temperatures over Land. Remote Sensing, 2020, 12, 3381.	4.0	13
20	Faraday Rotation Retrieval Using SMOS Radiometric Data. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 458-461.	3.1	12
21	Is Accurate Synoptic Altimetry Achievable by Means of Interferometric GNSS-R?. Remote Sensing, 2019, 11, 505.	4.0	11
22	Design of optimal low-thrust manoeuvres for remote sensing multi-satellite formation flying in low Earth orbit. Advances in Space Research, 2021, 68, 4359-4378.	2.6	11
23	Intercomparison of Soil Moisture Retrieved from GNSS-R and from Passive L-Band Radiometry at the Valencia Anchor Station. Sensors, 2019, 19, 1900.	3.8	8
24	GNSS Interferometric Radio Occultation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5285-5300.	6.3	5
25	Wide Field of View Microwave Interferometric Radiometer Imaging. Remote Sensing, 2019, 11, 682.	4.0	5
26	SMOS Third Mission Reprocessing after 10 Years in Orbit. Remote Sensing, 2020, 12, 1645.	4.0	5
27	Calibration of the MIRAS Radiometers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1633-1646.	4.9	3
28	Deriving VTEC Maps from SMOS Radiometric Data. Remote Sensing, 2020, 12, 1604.	4.0	3
29	Technology Developments for an Advanced L-Band Radiometer Mission. , 2020, , .		3
30	SMOS simplified iterative full-pol brightness temperature retrieval. , 2016, , .		2
31	Considerations on Gnss-R Carrier Phase Altimetry. , 2018, , .		2
32	SMOS floor error impact and mitigation on ocean imaging. , 2015, , .		1
33	Experimental Validation of GNSS Interferometric Radio Occultation. Remote Sensing, 2019, 11, 2758.	4.0	1
34	A decentralised approach for formation flying reconfiguration and maintenance using GNSS-based navigation. , 2022, , .		1
35	On Antenna Polarization Axes in L-Band Aperture Synthesis Arrays With Dual Polarization Receivers for Earth Observation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-3.	3.1	1
36	Local Oscillator Concept for the Event Horizon Imager. Journal of Astronomical Instrumentation, 0, , .	1.5	1

#	ARTICLE	IF	CITATIONS
37	MIRAS Temporal Stability. , 2019, , .		0
38	One-Point Microwave Radiometer Calibration. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 461-463.	3.1	0
39	A Novel Digital IQ Demodulation for Interferometric Radiometers. Remote Sensing, 2021, 13, 1156.	4.0	0