

Manuel MartÃ- n Neira

List of Publications by Year in descending order

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39
papers

3,320
citations

430874

18
h-index

454955

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39
all docs

39
docs citations

39
times ranked

2628
citing authors

#	ARTICLE	IF	CITATIONS
1	A decentralised approach for formation flying reconfiguration and maintenance using GNSS-based navigation. , 2022, , .		1
2	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
3	A Novel Digital IQ Demodulation for Interferometric Radiometers. Remote Sensing, 2021, 13, 1156.	4.0	0
4	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
5	One-Point Microwave Radiometer Calibration. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 461-463.	3.1	0
6	Triple Collocation Analysis for Two Error-Correlated Datasets: Application to L-Band Brightness Temperatures over Land. Remote Sensing, 2020, 12, 3381.	4.0	13
7	Deriving VTEC Maps from SMOS Radiometric Data. Remote Sensing, 2020, 12, 1604.	4.0	3
8	SMOS Third Mission Reprocessing after 10 Years in Orbit. Remote Sensing, 2020, 12, 1645.	4.0	5
9	Technology Developments for an Advanced L-Band Radiometer Mission. , 2020, , .		3
10	Simulations of imaging the event horizon of Sagittarius A* from space. Astronomy and Astrophysics, 2019, 625, A124.	5.1	48
11	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
12	Wide Field of View Microwave Interferometric Radiometer Imaging. Remote Sensing, 2019, 11, 682.	4.0	5
13	MIRAS Temporal Stability. , 2019, , .		0
14	Experimental Validation of GNSS Interferometric Radio Occultation. Remote Sensing, 2019, 11, 2758.	4.0	1
15	Is Accurate Synoptic Altimetry Achievable by Means of Interferometric GNSS-R?. Remote Sensing, 2019, 11, 505.	4.0	11
16	Calibration of the MIRAS Radiometers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1633-1646.	4.9	3
17	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
18	Considerations on Gnss-R Carrier Phase Altimetry. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	First spaceborne phase altimetry over sea ice using TechDemoSat-1 GNSS-R signals. Geophysical Research Letters, 2017, 44, 8369-8376.	4.0	150
20	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
21	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
22	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
23	SMOS simplified iterative full-pol brightness temperature retrieval. , 2016, , .		2
24	GNSS Interferometric Radio Occultation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5285-5300.	6.3	5
25	SMOS floor error impact and mitigation on ocean imaging. , 2015, , .		1
26	Faraday Rotation Retrieval Using SMOS Radiometric Data. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 458-461.	3.1	12
27	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
28	Radiometric Performance of SMOS Full Polarimetric Imaging. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1454-1458.	3.1	19
29	SMOS Calibration and Instrument Performance After One Year in Orbit. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 654-670.	6.3	31
30	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
31	Altimetry with GNSS-R interferometry: first proof of concept experiment. GPS Solutions, 2012, 16, 231-241.	4.3	81
32	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
33	The PARIS Ocean Altimeter In-Orbit Demonstrator. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2209-2237.	6.3	195
34	SMOS: The Challenging Sea Surface Salinity Measurement From Space. Proceedings of the IEEE, 2010, 98, 649-665.	21.3	339
35	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
36	Altimetric Analysis of the Sea-Surface GPS-Reflected Signals. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2119-2127.	6.3	140

#	ARTICLE	IF	CITATIONS
37	On-Ground Characterization of the SMOS Payload. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3123-3133.	6.3	30
38	SMOS: The Payload. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 594-605.	6.3	255
39	Local Oscillator Concept for the Event Horizon Imager. Journal of Astronomical Instrumentation, 0, , .	1.5	1