

Jorge Querol

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6463386/publications.pdf>

Version: 2024-02-01

45
papers

815
citations

623734

14
h-index

713466

21
g-index

45
all docs

45
docs citations

45
times ranked

566
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite Communications in the New Space Era: A Survey and Future Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 70-109.	39.4	447
2	First Results of a GNSS-R Experiment From a Stratospheric Balloon Over Boreal Forests. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2652-2663.	6.3	41
3	A Review of RFI Mitigation Techniques in Microwave Radiometry. Remote Sensing, 2019, 11, 3042.	4.0	25
4	A Generic Level 1 Simulator for Spaceborne GNSS-R Missions and Application to GEROS-ISS Ocean Reflectometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4645-4659.	4.9	24
5	Performance Assessment of Time-Frequency RFI Mitigation Techniques in Microwave Radiometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3096-3106.	4.9	22
6	SNR Degradation in GNSS-R Measurements Under the Effects of Radio-Frequency Interference. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4865-4878.	4.9	21
7	On the Correlation Between GNSS-R Reflectivity and L-Band Microwave Radiometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5862-5879.	4.9	18
8	Wind Direction Signatures in GNSS-R Observables from Space. Remote Sensing, 2018, 10, 198.	4.0	16
9	Real-Time RFI Detection and Mitigation System for Microwave Radiometers. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4928-4935.	6.3	15
10	DME/TACAN Impact Analysis on GNSS Reflectometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4611-4620.	4.9	15
11	L-Band Vegetation Optical Depth Estimation Using Transmitted GNSS Signals: Application to GNSS-Reflectometry and Positioning. Remote Sensing, 2020, 12, 2352.	4.0	15
12	Machine Learning for Radio Resource Management in Multibeam GEO Satellite Systems. Electronics (Switzerland), 2022, 11, 992.	3.1	15
13	Random Access Procedure Over Non-Terrestrial Networks: From Theory to Practice. IEEE Access, 2021, 9, 109130-109143.	4.2	14
14	System Modeling and Design Aspects of Next Generation High Throughput Satellites. IEEE Communications Letters, 2021, 25, 2443-2447.	4.1	14
15	Architectures and Synchronization Techniques for Distributed Satellite Systems: A Survey. IEEE Access, 2022, 10, 45375-45409.	4.2	14
16	Crosstalk Statistics and Impact in Interferometric GNSS-R. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4621-4630.	4.9	11
17	Centralized Gateway Concept for Precoded Multi-beam GEO Satellite Networks. , 2021, , .		11
18	Assessment of back-end RFI mitigation techniques in passive remote sensing. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	The Global Navigation Satellite Systems Reflectometry (GNSS-R) Microwave Interferometric Reflectometer: Hardware, Calibration, and Validation Experiments. <i>Sensors</i> , 2019, 19, 1019.	3.8	9
20	Improvement of PAU/PARIS end-to-end performance simulator (P ² EPS): Land scattering including topography. , 2016, , .		7
21	SNR and Standard Deviation of cGNSS-R and iGNSS-R Scatterometric Measurements. <i>Sensors</i> , 2017, 17, 183.	3.8	6
22	Advances in the MIR instrument: Integration, control subsystem and analysis of the flight dynamics for beamsteering purposes. , 2015, , .		5
23	Preliminary results of FENIX: Front-End GNSS Interference eXcisor. , 2016, , .		4
24	Can we measure vegetation water content and vegetation opacity at L-band with a single GPS receiver?. , 2016, , .		4
25	Implementation of a Testbed for GNSS-R Payload Performance Evaluation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 2708-2715.	4.9	4
26	Study of RFI signals in protected GNSS bands generated by common electronic devices: Effects on GNSS-R measurements. , 2014, , .		3
27	Spaceborne GNSS-R End-To-End Simulator: Topography and Vegetation Effects. , 2018, , .		3
28	A design strategy for phase synchronization in Precoding-enabled DVB-S2X user terminals. , 2021, , .		3
29	A Remote Carrier Synchronization Technique for Coherent Distributed Remote Sensing Systems. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 1909-1922.	4.9	3
30	A stratospheric balloon GNSS-R experiment: The ³Cat-2 project in DLR/SNSB BEXUS. , 2014, , .		2
31	Assessment of DME/TACAN RFI mitigation techniques in GNSS-R. , 2016, , .		2
32	Comparison of real-time time-frequency RFI mitigation techniques in microwave radiometry. , 2016, , .		2
33	A radio-frequency interference detector for GNSS navigation and GNSS-reflectometry applications. , 2017, , .		2
34	MERITXELL: The Multifrequency Experimental Radiometer with Interference Tracking for Experiments over Land and Littoralâ€”Instrument Description, Calibration and Performance. <i>Sensors</i> , 2017, 17, 1081.	3.8	2
35	Digital back-end for RFI detection and mitigation in earth observation. , 2013, , .		1
36	Two dedicated soil moisture experiments using the scatterometric properties of GNSS-reflectometry. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	First Delay Doppler Maps obtained with the Microwave Interferometric Reflectometer (MIR). , 2016, , .		1
38	RFI Analysis and Mitigation in Airborne GNSS-R Campaign. , 2018, , .		1
39	A Pre-Correlation RFI Mitigation Algorithm for L-Band Interferometric Radiometers. , 2021, , .		1
40	A Cubesat-Ready Phase Synchronization Digital Payload for Coherent Distributed Remote Sensing Missions. , 2021, , .		1
41	Radio-Frequency Interference Location, Detection and Classification Using Deep Neural Networks. , 2020, , .		1
42	Review of GNSS-R instruments and tools developed at the Universitat Politècnica de Catalunya-Barcelona tech. , 2014, , .		0
43	Impact of multi-path by ISS structure on GEROS-ISS measured waveforms. , 2016, , .		0
44	Altimetric performance of the GEROS experiment at the ISS. , 2016, , .		0
45	3CAT-3/MOTS, an Experimental Nanosatellite for Multispectral and GNSS-R Earth Observation: Airborne Optical and GNSS-R Campaign. , 2018, , .		0