

Adriano Camps

List of Publications by Year in descending order

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479
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481
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481
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481
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3473
citing authors

#	ARTICLE	IF	CITATIONS
1	Deployment mechanism for a L-band helix antenna in 1-Unit Cubesat. <i>Acta Astronautica</i> , 2022, 196, 394-399.	3.2	4
2	Remote Sensing of Precipitation Using Reflected GNSS Signals: Response Analysis of Polarimetric Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.3	15
3	A Novel RFI Detection Method for Microwave Radiometers Using Multilag Correlators. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.3	4
4	Phase and Amplitude Calibration of Rotating Equispaced Circular Array for Geostationary Microwave Interferometric Radiometers—Simulation Results and Discussion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-19.	6.3	0
5	An Enhanced Resolution Brightness Temperature Product for Future Conical Scanning Microwave Radiometers. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.3	8
6	Phase and Amplitude Calibrations of Rotating Equispaced Circular Array for Geostationary Microwave Interferometric Radiometers—Theory and Methods. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	2
7	The Potential of Spaceborne GNSS Reflectometry for Soil Moisture, Biomass, and Freeze—Thaw Monitoring: Summary of a European Space Agency-funded study. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 8-38.	9.6	12
8	Vegetation Canopy Height Retrieval Using L1 and L5 Airborne GNSS-R. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	3
9	On the Trade-Off Between Enhancement of the Spatial Resolution and Noise Amplification in Conical-Scanning Microwave Radiometers. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	5
10	Orbit Design for a Satellite Swarm-Based Motion Induced Synthetic Aperture Radiometer (MISAR) in Low-Earth Orbit for Earth Observation Applications. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.3	2
11	Architectures and Synchronization Techniques for Distributed Satellite Systems: A Survey. <i>IEEE Access</i> , 2022, 10, 45375-45409.	4.2	14
12	Design of a Deployable Helix Antenna at L-Band for a 1-Unit CubeSat: From Theoretical Analysis to Flight Model Results. <i>Sensors</i> , 2022, 22, 3633.	3.8	6
13	A Preliminary Study on Ionospheric Scintillation Anomalies Detected Using GNSS-R Data from NASA CYGNSS Mission as Possible Earthquake Precursors. <i>Remote Sensing</i> , 2022, 14, 2555.	4.0	7
14	On the Potential of Empirical Mode Decomposition for RFI Mitigation in Microwave Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	3
15	Impact of Incidence Angle Diversity on SMOS and Sentinel-1 Soil Moisture Retrievals at Coarse and Fine Scales. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-18.	6.3	2
16	An FFT-Based CLEAN Deconvolution Method for Interferometric Microwave Radiometers With Spatially Variable Beam Pattern. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 341-345.	3.1	1
17	Airborne GNSS-R: A Key Enabling Technology for Environmental Monitoring. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 6652-6661.	4.9	9
18	Single-Pass Soil Moisture Retrieval Using GNSS-R at L1 and L5 Bands: Results from Airborne Experiment. <i>Remote Sensing</i> , 2021, 13, 797.	4.0	21

#	ARTICLE	IF	CITATIONS
19	Addendum: Hu, C.; et al. Detecting Targets above the Earth's Surface Using GNSS-R Delay Doppler Maps: Results from TDS-1. <i>Remote Sens.</i> 2019, 11, 2327. <i>Remote Sensing</i> , 2021, 13, 715.	4.0	0
20	Soil Moisture Estimation Synergy Using GNSS-R and L-Band Microwave Radiometry Data from FSSCat/FMPL-2. <i>Remote Sensing</i> , 2021, 13, 994.	4.0	17
21	Bayesian Unsupervised Machine Learning Approach to Segment Arctic Sea Ice Using SMOS Data. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091285.	4.0	4
22	Towards Federated Satellite Systems and Internet of Satellites: The Federation Deployment Control Protocol. <i>Remote Sensing</i> , 2021, 13, 982.	4.0	10
23	Sea Ice Concentration and Sea Ice Extent Mapping with L-Band Microwave Radiometry and GNSS-R Data from the FSSCat Mission Using Neural Networks. <i>Remote Sensing</i> , 2021, 13, 1139.	4.0	15
24	Sea Ice Thickness Estimation Based on Regression Neural Networks Using L-Band Microwave Radiometry Data from the FSSCat Mission. <i>Remote Sensing</i> , 2021, 13, 1366.	4.0	6
25	Sea Surface Salinity and Wind Speed Retrievals Using GNSS-R and L-Band Microwave Radiometry Data from FMPL-2 Onboard the FSSCat Mission. <i>Remote Sensing</i> , 2021, 13, 3224.	4.0	15
26	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
27	Design and Testing of a Helix Antenna Deployment System for a 1U CubeSat. <i>IEEE Access</i> , 2021, 9, 66103-66114.	4.2	5
28	In-Orbit Validation of the FMPL-2 Instrument's GNSS-R and L-Band Microwave Radiometer Payload of the FSSCat Mission. <i>Remote Sensing</i> , 2021, 13, 121.	4.0	29
29	A Pre-Correlation RFI Mitigation Algorithm for L-Band Interferometric Radiometers. , 2021, , .		1
30	FSSCat Mission Description and First Scientific Results of the FMPL-2 Onboard 3CAT-5/A. , 2021, , .		9
31	Soil Moisture Retrieval Using the FMPL-2/FSSCat GNSS-R and Microwave Radiometry Data. , 2021, , .		1
32	In-Orbit Validation of the FMPL-2 Dual Microwave Payload Onboard the FSSCat Mission. , 2021, , .		2
33	Incidence Angle Diversity on L-Band Microwave Radiometry and Its Impact on Consistent Soil Moisture Retrievals. , 2021, , .		1
34	Possible Evidence of Earthquake Precursors Observed in Ionospheric Scintillation Events Observed from Spaceborne GNSS-R Data. , 2021, , .		6
35	A CubeSat-Ready Phase Synchronization Digital Payload for Coherent Distributed Remote Sensing Missions. , 2021, , .		1
36	Parameter Considerations for the Retrieval of Surface Soil Moisture from Spaceborne GNSS-R. , 2021, , .		0

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37	Monitoring Forest Above-Ground Biomass from Multifrequency Vegetation Optical Depth: A Preliminary Study. , 2021, , .		0
38	Sea Ice Concentration and Sea Ice Extent Mapping with the Fsscatt Mission: A Neural Network Approach. , 2021, , .		1
39	On-Demand Satellite Payload Execution Strategy for Natural Disasters Monitoring Using LoRa: Observation Requirements and Optimum Medium Access Layer Mechanisms. Remote Sensing, 2021, 13, 4014.	4.0	6
40	Improved GNSS-R Altimetry Methods: Theory and Experimental Demonstration Using Airborne Dual Frequency Data from the Microwave Interferometric Reflectometer (MIR). Remote Sensing, 2021, 13, 4186.	4.0	3
41	Spatial Resolution in GNSS-R Under Coherent Scattering. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 32-36.	3.1	67
42	Correcting the ADCS Jitter Induced Blurring in Small Satellite Imagery. IEEE Journal on Miniaturization for Air and Space Systems, 2020, 1, 130-137.	2.7	4
43	Assessment of Satellite Contacts Using Predictive Algorithms for Autonomous Satellite Networks. IEEE Access, 2020, 8, 100732-100748.	4.2	15
44	Generic Performance Simulator of Spaceborne GNSS-Reflectometer for Land Applications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3179-3191.	4.9	27
45	First Evidences of Ionospheric Plasma Depletions Observations Using GNSS-R Data from CYGNSS. Remote Sensing, 2020, 12, 3782.	4.0	12
46	L-Band Vegetation Optical Depth Estimation Using Transmitted GNSS Signals: Application to GNSS-Reflectometry and Positioning. Remote Sensing, 2020, 12, 2352.	4.0	15
47	Mission and system architecture for an operational network of earth observation satellite nodes. Acta Astronautica, 2020, 176, 398-412.	3.2	3
48	A Novel Dissemination Protocol to Deploy Opportunistic Services in Federated Satellite Systems. IEEE Access, 2020, 8, 142348-142365.	4.2	7
49	Assessing LoRa for Satellite-to-Earth Communications Considering the Impact of Ionospheric Scintillation. IEEE Access, 2020, 8, 165570-165582.	4.2	34
50	Analyzing Spatio-Temporal Factors to Estimate the Response Time between SMOS and In-Situ Soil Moisture at Different Depths. Remote Sensing, 2020, 12, 2614.	4.0	5
51	Snow and Ice Thickness Retrievals Using GNSS-R: Preliminary Results of the MOSAiC Experiment. Remote Sensing, 2020, 12, 4038.	4.0	29
52	Analytical Computation of the Spatial Resolution in GNSS-R and Experimental Validation at L1 and L5. Remote Sensing, 2020, 12, 3910.	4.0	13
53	Implementation of a Testbed for GNSS-R Payload Performance Evaluation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2708-2715.	4.9	4
54	Phase and Baseline Calibration for Microwave Interferometric Radiometers Using Beacons. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5242-5253.	6.3	6

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55	Experimental Evidence of Swell Signatures in Airborne L5/E5a GNSS-Reflectometry. Remote Sensing, 2020, 12, 1759.	4.0	11
56	Single-Pass Soil Moisture Retrievals Using GNSS-R: Lessons Learned. Remote Sensing, 2020, 12, 2064.	4.0	24
57	Assessment of Multi-Scale SMOS and SMAP Soil Moisture Products across the Iberian Peninsula. Remote Sensing, 2020, 12, 570.	4.0	28
58	Advanced GNSS-R Signals Processing With GPUs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1158-1163.	4.9	5
59	The Flexible Microwave Payload-2: A SDR-Based GNSS-Reflectometer and L-Band Radiometer for CubeSats. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1298-1311.	4.9	27
60	Untangling the Incoherent and Coherent Scattering Components in GNSS-R and Novel Applications. Remote Sensing, 2020, 12, 1208.	4.0	16
61	Validation of SMOS L3 AND L4 Soil Moisture Products In The Remedhus (SPAIN) AND CEMADEN (BRAZIL) Networks. Revista Brasileira De Geografia Fisica, 2020, 13, 691-712.	0.1	5
62	Untangling the GNSS-R Coherent and Incoherent Components: Experimental Evidences Over the Ocean. , 2020, , .		2
63	Analysis on the Feasibility of Airborne GNSS-R Receivers for Weather Nowcasting and Target Detection. , 2020, , .		0
64	Evaluation of LoRa for Data Retrieval of Ocean Monitoring Sensors with LEO Satellites. , 2020, , .		7
65	Radio-Frequency Interference Location, Detection and Classification Using Deep Neural Networks. , 2020, , .		1
66	FFSCAT Mission: Preliminary Results and Ice Products Validation with Mosaic Campaign Data. , 2020, , .		0
67	Demonstration of the Federated Satellite Systems Concept for Future Earth Observation Satellite Missions. , 2020, , .		1
68	The GRSS Standard for GNSS-Reflectometry. , 2020, , .		0
69	First Experimental Evidence of Wind and Swell Signatures in L5 GPS and E5A Galileo GNSS-R Waveforms. , 2020, , .		0
70	Sensitivity of L-band vegetation optical depth to carbon stocks in tropical forests: a comparison to higher frequencies and optical indices. Remote Sensing of Environment, 2019, 232, 111303.	11.0	40
71	Detecting Targets above the Earth's Surface Using GNSS-R Delay Doppler Maps: Results from TDS-1. Remote Sensing, 2019, 11, 2327.	4.0	12
72	Impact of Signal Quantization on the Performance of RFI Mitigation Algorithms. Remote Sensing, 2019, 11, 2023.	4.0	5

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73	Selection of the Key Earth Observation Sensors and Platforms Focusing on Applications for Polar Regions in the Scope of Copernicus System 2020â€“2030. Remote Sensing, 2019, 11, 175.	4.0	6
74	Satellite Cross-Talk Impact Analysis in Airborne Interferometric Global Navigation Satellite System-Reflectometry with the Microwave Interferometric Reflectometer. Remote Sensing, 2019, 11, 1120.	4.0	14
75	The Global Navigation Satellite Systems Reflectometry (GNSS-R) Microwave Interferometric Reflectometer: Hardware, Calibration, and Validation Experiments. Sensors, 2019, 19, 1019.	3.8	9
76	Hurricane Observations with GNSS-Reflectometry from CYGNSS Mission â€“ Case Study of Hurricane Irma 2017. , 2019, , .		0
77	Architectures and Synchronization Techniques for Coherent Distributed Remote Sensing Systems. , 2019, , .		4
78	Influence of Quality Filtering Approaches in BEC SMOS L3 Soil Moisture Products. , 2019, , .		1
79	³Cat-4 Mission: A 1-Unit CubeSat for Earth Observation with a L-band Radiometer and a GNSS-Reflectometer Using Software Defined Radio. , 2019, , .		7
80	A Review of RFI Mitigation Techniques in Microwave Radiometry. Remote Sensing, 2019, 11, 3042.	4.0	25
81	Proof-of-Concept of a Federated Satellite System Between Two 6-Unit CubeSats for Distributed Earth Observation Satellite Systems. , 2019, , .		6
82	The Flexible Microwave Payload -2: Architecture and Testing of a Combined GNSS-R and L-Band Radiometer With RFI Mitigation Payload For Cubesat-Based Earth Observation Missions. , 2019, , .		3
83	Architecting Optimized Spaceborne Earth Observation Missions. , 2019, , .		0
84	Analyzing Anomalous Artefacts in TDS-1 Delay Doppler Maps. , 2019, , .		0
85	Quantization and Sampling Effects on Microwave Radiometry RFI Mitigation Algorithms. , 2019, , .		0
86	GNSS Transpolar Earth Reflectometry exploriNg System (G-TERN): Mission Concept. IEEE Access, 2018, 6, 13980-14018.	4.2	55
87	Internet of Satellites (IoSat): Analysis of Network Models and Routing Protocol Requirements. IEEE Access, 2018, 6, 20390-20411.	4.2	43
88	Spaceborne GNSS-R End-To-End Simulator: Topography and Vegetation Effects. , 2018, , .		3
89	Ionospheric Scintillation Monitoring Using GNSS-R?. , 2018, , .		8
90	Preliminary Altimetry Results of the Malygnss Instrument in the Humit Project. , 2018, , .		2

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91	Microwave and Optical Data Fusion for Global Mapping of Soil Moisture at High Resolution. , 2018, , .		1
92	RFI Analysis and Mitigation in Airborne GNSS-R Campaign. , 2018, , .		1
93	3Cat-4: Combined GNSS-R, L-Band Radiometer with RFI Mitigation, and AIS Receiver for a I-Unit Cubesat Based on Software Defined Radio. , 2018, , .		13
94	3CAT-3/MOTS, an Experimental Nanosatellite for Multispectral and GNSS-R Earth Observation: Airborne Optical and GNSS-R Campaign. , 2018, , .		0
95	Determination of Sea Correlation Time at L-Band with Airborne Reflected New GNSS Signals. , 2018, , .		1
96	Fsscatt, the 2017 Copernicus Mastersâ€™ â€œEsa Sentinel Small Satellite Challengeâ€™ Winner: A Federated Polar and Soil Moisture Tandem Mission Based on 6U Cubesats. , 2018, , .		26
97	Sensitivity of TDS-1 GNSS-R Reflectivity to Soil Moisture: Global and Regional Differences and Impact of Different Spatial Scales. Remote Sensing, 2018, 10, 1856.	4.0	66
98	Benefits of Using Mobile Ad-Hoc Network Protocols in Federated Satellite Systems for Polar Satellite Missions. IEEE Access, 2018, 6, 56356-56367.	4.2	25
99	Improved characterization and modeling of equatorial plasma depletions. Journal of Space Weather and Space Climate, 2018, 8, A38.	3.3	18
100	Gaps Analysis and Requirements Specification for the Evolution of Copernicus System for Polar Regions Monitoring: Addressing the Challenges in the Horizon 2020â€™2030. Remote Sensing, 2018, 10, 1098.	4.0	18
101	Feasibility of precise navigation in high and low latitude regions under scintillation conditions. Journal of Space Weather and Space Climate, 2018, 8, A05.	3.3	29
102	L-band vegetation optical depth seasonal metrics for crop yield assessment. Remote Sensing of Environment, 2018, 212, 249-259.	11.0	69
103	Optimized model-based design space exploration of distributed multi-orbit multi-platform Earth observation spacecraft architectures. , 2018, , .		5
104	Design and Optimization of a Polar Satellite Mission to Complement the Copernicus System. IEEE Access, 2018, 6, 34777-34789.	4.2	18
105	Wind Direction Signatures in GNSS-R Observables from Space. Remote Sensing, 2018, 10, 198.	4.0	16
106	3Cat-3/MOTS Nanosatellite Mission for Optical Multispectral and GNSS-R Earth Observation: Concept and Analysis. Sensors, 2018, 18, 140.	3.8	8
107	Strong RFI Impact Mitigation in the Synthetic Aperture Interferometric Radiometer. , 2018, , .		11
108	A Spatially Consistent Downscaling Approach for SMOS Using an Adaptive Moving Window. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1883-1894.	4.9	49

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109	Sea Ice Detection Using U.K. TDS-1 GNSS-R Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4989-5001.	6.3	130
110	Sea Target Detection Using Spaceborne GNSS-R Delay-Doppler Maps: Theory and Experimental Proof of Concept Using TDS-1 Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4237-4255.	4.9	58
111	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
112	Microwave Radiometry. , 2017, , 131-290.		6
113	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
114	³Cat-1 project: a multi-payload CubeSat for scientific experiments and technology demonstrators. European Journal of Remote Sensing, 2017, 50, 125-136.	3.5	7
115	The Role of Climatic Anomalies and Soil Moisture in the Decline of Drought-Prone Forests. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 503-514.	4.9	21
116	SNR and Standard Deviation of cGNSS-R and iGNSS-R Scatterometric Measurements. Sensors, 2017, 17, 183.	3.8	6
117	MERITXELL: The Multifrequency Experimental Radiometer with Interference Tracking for Experiments over Land and Littoral Instrument Description, Calibration and Performance. Sensors, 2017, 17, 1081.	3.8	2
118	GNSS-R Altimetry Performance Analysis for the GEROS Experiment on Board the International Space Station. Sensors, 2017, 17, 1583.	3.8	14
119	Feasibility of RFI mitigation in synthetic aperture radiometry based on subspace spatial filtering. , 2017, , .		1
120	Calibration of GNSS-R receivers with PRN signal injection: Methodology and validation with the microwave interferometric reflectometer (MIR). , 2017, , .		2
121	A spatially consistent downscaling approach for SMOS using an adaptive moving window. , 2017, , .		7
122	Microwave Imaging Radiometers by Aperture Synthesis Performance Simulator (Part 2): Instrument Modeling, Calibration, and Image Reconstruction Algorithms. Journal of Imaging, 2016, 2, 18.	3.0	8
123	Surface moisture and temperature trends anticipate drought conditions linked to wildfire activity in the Iberian Peninsula. European Journal of Remote Sensing, 2016, 49, 955-971.	3.5	20
124	Microwave Imaging Radiometers by Aperture Synthesis Performance Simulator (Part 1): Radiative Transfer Module. Journal of Imaging, 2016, 2, 17.	3.0	11
125	Multi-Temporal Evaluation of Soil Moisture and Land Surface Temperature Dynamics Using in Situ and Satellite Observations. Remote Sensing, 2016, 8, 587.	4.0	44
126	Predicting the Extent of Wildfires Using Remotely Sensed Soil Moisture and Temperature Trends. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2818-2829.	4.9	42

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127	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
128	Unified GNSS-R formulation including coherent and incoherent scattering components. , 2016, , .		16
129	A CubeSAT payload for in-situ monitoring of pentacene degradation due to atomic oxygen etching in LEO. Acta Astronautica, 2016, 126, 456-462.	3.2	10
130	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
131	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
132	Impact of Rain, Swell, and Surface Currents on the Electromagnetic Bias in GNSS-Reflectometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4643-4649.	4.9	14
133	Comparison of real-time time-frequency RFI mitigation techniques in microwave radiometry. , 2016, , .		2
134	First Delay Doppler Maps obtained with the Microwave Inteferometric Reflectometer (MIR). , 2016, , .		1
135	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
136	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
137	Sensitivity of GNSS-R Spaceborne Observations to Soil Moisture and Vegetation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4730-4742.	4.9	208
138	Ionospheric Effects in GNSS-Reflectometry From Space. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5851-5861.	4.9	33
139	Impact of day/night time land surface temperature in soil moisture disaggregation algorithms. European Journal of Remote Sensing, 2016, 49, 899-916.	3.5	28
140	Improvement of PAU/PARIS end-to-end performance simulator (P²/sup>EPS): Land scattering including topography. , 2016, , .		7
141	Can we measure vegetation water content and vegetation opacity at L-band with a single GPS receiver?. , 2016, , .		4
142	Implementation of a GNSS-R Payload Based on Software-Defined Radio for the 3CAT-2 Mission. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4824-4833.	4.9	13
143	3Cat-2â€”An Experimental Nanosatellite for GNSS-R Earth Observation: Mission Concept and Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4540-4551.	4.9	48
144	Nodal Sampling: A New Image Reconstruction Algorithm for SMOS. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2314-2328.	6.3	30

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145	Numerical Computation of the Electromagnetic Bias in GNSS-R Altimetry. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 489-498.	6.3	27
146	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
147	First Dual-Band Multiconstellation GNSS-R Scatterometry Experiment Over Boreal Forests From a Stratospheric Balloon. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4743-4751.	4.9	17
148	Improved MUSIC-Based SMOS RFI Source Detection and Geolocation Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1311-1322.	6.3	49
149	An airborne GNSS-R field experiment over a vineyard for soil moisture estimation and monitoring. , 2015, , .		3
150	Airborne GNSS-R, thermal and optical data relationships for soil moisture retrievals. , 2015, , .		2
151	Ice thickness effects on Aquarius brightness temperatures over Antarctica. Journal of Geophysical Research: Oceans, 2015, 120, 2856-2868.	2.6	6
152	Empirical Results of a Surface-Level GNSS-R Experiment in a Wave Channel. Remote Sensing, 2015, 7, 7471-7493.	4.0	10
153	On the Synergy of Airborne GNSS-R and Landsat 8 for Soil Moisture Estimation. Remote Sensing, 2015, 7, 9954-9974.	4.0	36
154	Time-domain Statistics of the Electromagnetic Bias in GNSS-Reflectometry. Remote Sensing, 2015, 7, 11151-11162.	4.0	6
155	First Polarimetric GNSS-R Measurements from a Stratospheric Flight over Boreal Forests. Remote Sensing, 2015, 7, 13120-13138.	4.0	43
156	Geolocating SMOS RFI sources on the densely populated East Asia. , 2015, , .		3
157	Advances in the MIR instrument: Integration, control subsystem and analysis of the flight dynamics for beamsteering purposes. , 2015, , .		5
158	Assessment of back-end RFI mitigation techniques in passive remote sensing. , 2015, , .		9
159	Retrieval of Significant Wave Height and Mean Sea Surface Level Using the GNSS-R Interference Pattern Technique: Results From a Three-Month Field Campaign. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3198-3209.	6.3	84
160	Impact of the elevation angle in the coherence time as a function of the sea wave height. , 2015, , .		1
161	High Angular Resolution RFI Localization in Synthetic Aperture Interferometric Radiometers Using Direction-of-Arrival Estimation. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 102-106.	3.1	48
162	Mitigation of Direct Signal Cross-Talk and Study of the Coherent Component in GNSS-R. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 279-283.	3.1	32

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163	Tutorial on Remote Sensing Using GNSS Bistatic Radar of Opportunity. IEEE Geoscience and Remote Sensing Magazine, 2014, 2, 8-45.	9.6	388
164	The dual polarization GNSS-R interference pattern technique. , 2014, , .		0
165	Review of GNSS-R instruments and tools developed at the Universitat Politècnica de Catalunya-Barcelona tech. , 2014, , .		0
166	A Downscaling Approach for SMOS Land Observations: Evaluation of High-Resolution Soil Moisture Maps Over the Iberian Peninsula. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3845-3857.	4.9	146
167	The Microwave Interferometric Reflectometer. Part I: Front-end and beamforming description. , 2014, , .		6
168	Temperature gradient sensor from pulsed power supply duty cycle in ultra-low power energy harvesting system. Electronics Letters, 2014, 50, 826-828.	1.0	4
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