

Fei Hu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

258
citations

933447

10
h-index

996975

15
g-index

25
all docs

25
docs citations

25
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization-based material classification technique using passive millimeter-wave polarimetric imagery. <i>Applied Optics</i> , 2016, 55, 8690.	2.1	34
2	Low-Redundancy Large Linear Arrays Synthesis for Aperture Synthesis Radiometers Using Particle Swarm Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 2179-2188.	5.1	27
3	High-Resolution RFI Localization Using Covariance Matrix Augmentation in Synthetic Aperture Interferometric Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1186-1198.	6.3	25
4	Multi-polarization passive millimeter-wave imager and outdoor scene imaging analysis for remote sensing applications. <i>Optics Express</i> , 2018, 26, 20145.	3.4	21
5	Double Difference Bases and Thinned Arrays With Twofold Redundancy. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 7366-7371.	5.1	17
6	Super-resolution RFI localization with compressive sensing in synthetic aperture interferometric radiometers. , 2015, , .		13
7	RFI Mitigation in Aperture Synthesis Radiometers Using a Modified CLEAN Algorithm. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 13-17.	3.1	13
8	Radiometric Sensitivity and Angular Resolution Optimization of Thinned Linear Arrays in Microwave Interferometric Radiometry. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 568-573.	5.1	13
9	Material Clustering Using Passive Millimeter-Wave Polarimetric Imagery. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	2.0	12
10	Low-redundancy linear arrays in mirrored interferometric aperture synthesis. <i>Optics Letters</i> , 2016, 41, 368.	3.3	11
11	An Imaging Method With Array Factor Synthesis in Synthetic Aperture Interferometric Radiometers. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 87-91.	3.1	10
12	A Novel Optimal Design of Antenna Array in Aperture Synthesis Radiometers. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 1227-1230.	4.0	9
13	C-curve feature of complex permittivity estimation based on multi-polarization measurements in passive millimeter-wave sensing. <i>Optics Letters</i> , 2019, 44, 3765.	3.3	8
14	Surface Normal Vector Estimation From Passive Millimeter-Wave Polarimetric Imaging. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4554-4562.	4.9	6
15	Detection for ship by dual-polarization imaging radiometer. <i>Optics Express</i> , 2021, 29, 27830.	3.4	6
16	A Near-Field Imaging Algorithm Based on Angular Spectrum Theory for Synthetic Aperture Interferometric Radiometer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 3606-3616.	4.6	6
17	SMOS RFI mitigation using array factor synthesis of synthetic aperture interferometric radiometry. , 2016, , .		5
18	Channel Compressive Aperture Synthesis. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 1027-1031.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Synthesis of thinned planar arrays with two-fold redundancy for microwave interferometric radiometers. <i>Electronics Letters</i> , 2018, 54, 426-428.	1.0	4
20	Complex Permittivity Estimation From Millimeter-Wave Radiometry. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1254-1258.	3.1	4
21	Synthesis of Large Alias-Free Field-of-View Linear Arrays for Synthetic Aperture Interferometric Radiometers. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 7916-7926.	5.1	3
22	Information extraction from polarized MMW radiation based on the weak correlation between emission and reflection. <i>Optical Materials Express</i> , 2021, 11, 2059.	3.0	3
23	RFI Localization via Reweighted Nuclear Norm Minimization in Microwave Interferometric Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	2
24	A Wavenumber Domain Imaging Algorithm for Synthetic Aperture Interferometric Radiometry in Near-Field. , 2020, , .		1
25	Artifact-Free RFI Localization Based on Spatial Smoothing MUSIC in Synthetic Aperture Interferometric Radiometers. , 2020, , .		0