

Xi Liao

List of Publications by Year in descending order

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26
papers

136
citations

1478505

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times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacity Analysis and Improvement for OAM-MIMO in Typical Multipath Scenarios. , 2022, , .		0
2	Maximization of Millimeter-Wave LoS OAM Link Using Beam Steering and Partial Receiving. , 2022, , .		1
3	Statistical channel modelling of full-angle 3.5 GHz OAM in indoor corridor scenario. Electronics Letters, 2022, 58, 560-562.	1.0	1
4	Complex Permittivity Estimation for Cloths Based on QPSO Method Over (40 to 50) GHz. IEEE Transactions on Antennas and Propagation, 2021, 69, 600-605.	5.1	9
5	Millimeter-Wave Propagation Measurement and Modeling in Indoor Corridor and Stairwell at 26 and 38 GHz. IEEE Access, 2021, 9, 87792-87805.	4.2	19
6	Measurement of Millimeter-wave 3D MIMO Channel in Large Indoor Environment. , 2021, , .		2
7	OAM-Based Beam Selection for Indoor Millimeter Wave MU-MIMO Systems. IEEE Communications Letters, 2021, 25, 1702-1706.	4.1	14
8	IRS Aided OAM-MIMO Communication. , 2021, , .		0
9	A Dual Power Weighted Clustering Algorithm for Indoor Millimeter-Wave 3D MIMO Channel. , 2021, , .		0
10	Measurements of 3.5 GHz OAM Misaligned Channels in Indoor Corridor Scenarios. , 2021, , .		2
11	Power Delay Profile Analysis of 28 GHz Indoor Channel using Massive 3D-MIMO Arrays. , 2021, , .		0
12	A Novel Three-Dimensional FDTD Subgridding Method for the Coupling Analysis of Shielded Cavity Excited by Ambient Wave. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2441-2449.	2.2	12
13	Capacity and Security Analysis of Multi-Mode Orbital Angular Momentum Communications. IEEE Access, 2020, 8, 150955-150963.	4.2	16
14	Measurement Based Millimeter Wave Massive MIMO Channel Parameter Comparison. , 2020, , .		2
15	Optimal Power Allocation Algorithm for Multi-Mode OFDM-OAM Communication Systems in Multipath Channel. IEEE Access, 2020, 8, 204342-204351.	4.2	3
16	Integrated Optical Power Splitter With Continuously Adjustable Power Splitting Ratio. IEEE Photonics Journal, 2020, 12, 1-13.	2.0	5
17	Two-Ray Reflection Resolution Algorithm for Planar Material Electromagnetic Property Measurement at the Millimeter-Wave Bands. Radio Science, 2020, 55, e2019RS006944.	1.6	5
18	Diffuse Scattering Directive Model Parameterization Method for Construction Materials at mmWave Frequencies. International Journal of Antennas and Propagation, 2020, 2020, 1-9.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Effect Level Based Parameterization Method for Diffuse Scattering Models at Millimeter-Wave Frequencies. IEEE Access, 2019, 7, 93286-93293.	4.2	6
20	OFDM-OAM Modulation for Future Wireless Communications. IEEE Access, 2019, 7, 59114-59125.	4.2	31
21	Complex Permittivity Estimation for Construction Materials based on PSO Method. , 2019, , .		1
22	Diffuse Scattering Characteristics of Rough Materials at mm-Wave Frequencies. , 2019, , .		0
23	Experimental Study of Diffuse Scattering from Typical Construction Materials over 40-50GHz. , 2018, , .		0
24	Characterization of diffuse scattering based on dielectric properties of construction materials. , 2018, , .		0
25	Complex Permittivity of Typical Construction Materials over 40-50 GHz. , 2018, , .		2
26	An efficient target detection algorithm via Karhunen-Loève transform for frequency modulated continuous wave (FMCW) radar applications. IET Signal Processing, 0, , .	1.5	2