

Mingyu Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/779008/publications.pdf>

Version: 2024-02-01

32
papers

506
citations

1039880

9
h-index

996849

15
g-index

32
all docs

32
docs citations

32
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	On the spurious resonance modes of time domain integral equations for analyzing acoustic scattering from penetrable objects. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1064-1076.	0.5	1
2	Stable and Accurate Marching-on-in-Time Solvers of Time Domain EFIE, MFIE, and CFIE Based on Quasi-Exact Integration Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 2218-2229.	3.1	9
3	Generating Narrow Pulses With Programmable Waveform, Amplitude, and Position Based on Spectrum Stitching. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	2.4	3
4	A Novel Circuit Architecture for Generating Narrow Pulses via Spectrum Stitching. <i>IEEE Access</i> , 2020, 8, 22454-22462.	2.6	2
5	Modal Analysis for Characterizing Wireless Channels in Fully-enclosed Environment. , 2019, , .		0
6	Reconfigurable Wireless Power Transmission in Fully-Enclosed Space Using Antenna Array. <i>IEEE Access</i> , 2019, 7, 173098-173110.	2.6	7
7	A Retro-reflective Scheme for Wireless Power transmission in Fully Enclosed Environments. , 2019, , .		2
8	Parallel Wideband MLFMA for Analysis of Electrically Large, Nonuniform, Multiscale Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 1094-1107.	3.1	14
9	A Retro-Reflective Beamforming Scheme based on Heterodyne Technique for Wireless Power Transmission. , 2018, , .		2
10	A reconfigurable scheme of wireless power transmission in fully-enclosed box. , 2017, , .		2
11	Retro-directive beamforming versus retro-reflective beamforming for wireless power transmission. , 2017, , .		6
12	Experimental study on simultaneous wireless power and information transfer in enclosed environment. , 2017, , .		1
13	A Reconfigurable Scheme of Wireless Power Transmission in Fully Enclosed Environments. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2959-2962.	2.4	12
14	Feasibility study of efficient wireless power transmission in satellite interior. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 2518-2522.	0.9	11
15	Wireless charging to multiple electronic devices simultaneously in enclosed box. , 2016, , .		9
16	A Distributed retro-reflective beamformer for wireless power transmission. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1873-1876.	0.9	21
17	Experimental Study on the Impact of Soil Conductivity on Underground Magneto-Inductive Channel. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 1782-1785.	2.4	13
18	On spurious resonant modes in the MOT solution of time domain EFIE. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	On the Internal Resonant Modes in Marching-on-in-Time Solution of the Time Domain Electric Field Integral Equation. IEEE Transactions on Antennas and Propagation, 2013, 61, 4389-4392.	3.1	13
20	Efficient Measurement of Impulses Based on Frequency-Domain Approach. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1757-1764.	2.4	1
21	Stable Electric Field TDIE Solvers via Quasi-Exact Evaluation of MOT Matrix Elements. IEEE Transactions on Antennas and Propagation, 2011, 59, 574-585.	3.1	133
22	Design of a compact grating coupler with controllable linewidths via transverse resonance and evanescent field coupling. , 2011, , .		0
23	Fourier transforming microwave impulses using low-cost analog circuits. , 2011, , .		0
24	Time Domain Integral Equation Analysis of Scattering From Composite Bodies via Exact Evaluation of Radiation Fields. IEEE Transactions on Antennas and Propagation, 2009, 57, 1506-1520.	3.1	101
25	A current-steering DAC-Based CMOS ultra-wideband impulse generator. , 2009, , .		2
26	On the well-posedness of integral equations associated with cavity Green’s functions around resonant frequencies. , 2008, , .		0
27	Surface-normal Fano filters based on transferred silicon nanomembranes on glass substrates. , 2008, , .		1
28	Theoretical and experimental study of a quasi-planar conical antenna. , 2007, , .		1
29	On the resonant singularities associated with the green’s functions of metallic rectangular cavities in the context of the method of moments. , 2007, , .		1
30	Towards Efficient and Stable Low Frequency Time Domain Integral Equation Solvers. , 2006, , .		3
31	A Quasi-Planar Wide Band Conical Antenna. , 2006, , .		1
32	Fast analysis of transient electromagnetic scattering phenomena using the multilevel plane wave time domain algorithm. IEEE Transactions on Antennas and Propagation, 2003, 51, 628-641.	3.1	134