Cheng Liao

List of Publications by Year
in descending order

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		933447	996975
36	262	10	15
papers	citations	h-index	g-index

36	36	36	172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hybrid Method Combining the Novel TD-SC Technique and FDTD Method for the EMI Analysis of Transmission Line Network. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1211-1217.	2.2	25
2	A HYBRID METHOD FOR ELECTROMAGNETIC COUPLING PROBLEMS OF TRANSMISSION LINES IN CAVITY BASED ON FDTD METHOD AND TRANSMISSION LINE EQUATION. Progress in Electromagnetics Research M, 2015, 42, 85-93.	0.9	23
3	Analysis and Design of Wideband Low-RCS Wide-Scan Phased Array With AMC Ground. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 209-213.	4.0	23
4	Modeling of Millimeter-Wave Propagation in Rain Based on Parabolic Equation Method. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 3-6.	4.0	22
5	Notice of Retraction: A Time-Domain Hybrid Method for Coupling Problems of Long Cables Excited by Electromagnetic Pulses. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1710-1716.	2.2	17
6	Notice of Retraction: The Research and Application of a Novel Time Domain Hybrid Method for EMI Analysis of Lumped Circuits in a Shielded Device. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 964-970.	2.2	16
7	A Hybrid TDPE/FDTD Method for Site-Specific Modeling of O2I Radio Wave Propagation. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1652-1655.	4.0	16
8	Design and Analysis of a Wideband Low-Scattering Endfire Antenna Using a Moth Tail-Inspired Metamaterial Absorber and a Surface Waveguide. IEEE Transactions on Antennas and Propagation, 2020, 68, 1411-1418.	5.1	12
9	Design and Analysis of a Bow-Tie Slot-Coupled Wideband Metasurface Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1342-1346.	4.0	10
10	A Novel PE/FDTD Hybrid Model for Predicting Echo Signals of Radar Targets in Large-Scale Complex Environments. IEEE Access, 2020, 8, 28450-28461.	4.2	10
11	Frequency-Selective Structures With Suppressed Reflection Through Passive Phase Cancellation. IEEE Transactions on Antennas and Propagation, 2020, 68, 1192-1197.	5.1	8
12	An Alternative Direction Decomposition Scheme and Error Analysis for Parabolic Equation Model. IEEE Transactions on Antennas and Propagation, 2017, 65, 2547-2557.	5.1	7
13	Analysis of Nonuniform Transmission Lines With a Perturbation Technique in Time Domain. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 542-548.	2.2	7
14	Performance Enhancement of a Planar Slot Phased Array by Using Dual-Mode SIW Cavity and Coding Metasurface. IEEE Transactions on Antennas and Propagation, 2021, 69, 6022-6027.	5.1	7
15	Pulse-Compression Signal Propagation and Parameter Estimation in the Troposphere With Parabolic Equation. IEEE Access, 2019, 7, 99917-99927.	4.2	6
16	Fast evaluation of lightning electromagnetic fields based on matrix pencil method in time domain. Microwave and Optical Technology Letters, 2021, 63, 1029-1034.	1.4	6
17	Analysis of the Field-Line Coupling of the Transmission Line Above an Orthogonal Ground Plane Through Electromagnetic Reciprocity Theorem. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 580-588.	2.2	5
18	Notice of Retraction: A Hybrid Method for the Coupling Analysis of Unequal Length MTLs With Arbitrary Heights Based on FDTD-TL Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 954-961.	2.2	4

#	Article	IF	Citations
19	Broadband Dual-, Triple-, and Quad-Resonance Endfire Antennas Based on Surface Waves. IEEE Transactions on Antennas and Propagation, 2020, 68, 6389-6394.	5.1	4
20	Fast Evaluation of Lightning-Induced Voltages on the Transmission Lines Above a Lossy Ground. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 2050-2057.	2.2	4
21	TIME-DOMAIN COUPLING ANALYSIS OF SHIELDED CABLE ON THE GROUND EXCITED BY PLANE WAVE. Progress in Electromagnetics Research M, 2018, 67, 45-53.	0.9	3
22	An Improved Taguchi Algorithm Based on Fitting and Prediction for Linear Antenna Array Synthesis. International Journal of Antennas and Propagation, 2019, 2019, 1-10.	1.2	3
23	A MPI-Based Parallel FDTD-TL Method for the EMI Analysis of Transmission Lines in Cavity Excited by Ambient Wave. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 212-217.	2.2	3
24	An Effective Method for Fast Evaluation of Lightning-Induced Voltages on the Overhead Transmission Lines Combining Electromagnetic Topology and Matrix Pencil Method. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 482-494.	2.2	3
25	Pattern Correction of Impaired Antenna Array Based on Mixed Integer Programming. , 2021, , .		3
26	Miniature dualâ€mode dualâ€band bandpass filter with improved passbands performance for 2.4/5.2 GHz WLAN application. Microwave and Optical Technology Letters, 2014, 56, 1235-1238.	1.4	2
27	Analysis of Electromagnetic Leakage of HPM Source Based on TWPE. , 2018, , .		2
28	Analysis of the High-Frequency Response of Thin Wires Irradiated by Electromagnetic Waves Through Tikhonov Regularization Technique. IEEE Access, 2019, 7, 183800-183811.	4.2	2
29	A time domain hybrid method for the coupling of two wires above the ground excited by electromagnetic pulses. Microwave and Optical Technology Letters, 2020, 62, 1117-1124.	1.4	2
30	A <scp>multiâ€mode</scp> pattern reconfigurable antenna with wide beam coverage and its application to <scp>dualâ€polarized wideâ€angle</scp> scanning phased array. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22757.	1.2	2
31	Transient Analysis of Transmission Lines With Mismatched Terminations Irradiated by Plane Waves Based on Reciprocity Theorem. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1545-1548.	2.2	2
32	Modeling of Electromagnetic Wave Coupling to Thin-Wire Structures in Terrain Environments Using Hybrid PE/TPIE Method. International Journal of Antennas and Propagation, 2019, 2019, 1-10.	1.2	1
33	PE-TL Hybrid Method of Solving the Coupling Between Two-Wire Line and External Electromagnetic Pulse in Large-Scale Environment. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1723-1731.	2.2	1
34	Timeâ€domain analysis of parameters in the fitting of multiport frequencyâ€dependent system through matrix pencil method. Microwave and Optical Technology Letters, 2021, 63, 2751-2755.	1.4	1
35	Rapid Solution of the Lightning Electromagnetic Fields Based on Matrix Pencil Method and Segmented Sampling. , 2021, , .		0
36	An Effective Method for Analyzing the Transient Response of Transmission Line With Frequency-Dependent Network. , 2021, , .		0