

Walter Carpes Jr

List of Publications by Year in descending order

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293
citing authors

#	ARTICLE	IF	CITATIONS
1	Real Coded Genetic Algorithm for Jiles's Atherton Model Parameters Identification. IEEE Transactions on Magnetics, 2004, 40, 888-891.	2.1	86
2	Analysis of the coupling of an incident wave with a wire inside a cavity using an FEM in frequency and time domains. IEEE Transactions on Electromagnetic Compatibility, 2002, 44, 470-475.	2.2	45
3	TLM and FEM methods applied in the analysis of electromagnetic coupling. IEEE Transactions on Magnetics, 2000, 36, 982-985.	2.1	32
4	Optimization of an Offset Reflector Antenna Using Genetic Algorithms. IEEE Transactions on Magnetics, 2004, 40, 1256-1259.	2.1	31
5	A 3D finite element method for the modelling of bounded and unbounded electromagnetic problems in the time domain. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2000, 13, 527-540.	1.9	29
6	Sensitivity analysis applied to decision making in multiobjective evolutionary optimization. IEEE Transactions on Magnetics, 2006, 42, 1103-1106.	2.1	23
7	Ray-tracing propagation model using image theory with a new accurate approximation for transmitted rays through walls. IEEE Transactions on Magnetics, 2006, 42, 835-838.	2.1	22
8	Optimization Model for Antenna Positioning in Indoor Environments Using 2-D Ray-Tracing Technique Associated to a Real-Coded Genetic Algorithm. IEEE Transactions on Magnetics, 2009, 45, 1626-1629.	2.1	21
9	Comparison of mass lumping techniques for solving the 3D Maxwell's equations in the time domain. IEEE Transactions on Magnetics, 2000, 36, 1548-1552.	2.1	19
10	Electromagnetic fields radiated by a cellular phone in close proximity to metallic walls. IEEE Transactions on Magnetics, 2002, 38, 793-796.	2.1	19
11	Bandwidth for the Equivalent Circuit Model in Square-Loop Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 5932-5939.	5.1	15
12	A Method to Detect the Microshock Risk During a Surgical Procedure. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2335-2342.	4.7	9
13	Efficient analysis of resonant cavities by finite element method in the time domain. IET Microwaves Antennas and Propagation, 2000, 147, 53.	1.2	7
14	Use of an Artificial Neural Network-based Metamodel to Reduce the Computational Cost in a Ray-tracing Prediction Model. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2016, 15, 418-427.	0.7	4
15	Modeling of Power Cables with Arbitrary Cross Section: From Parameter Calculation to Electromagnetic Transients Simulation. Journal of Control, Automation and Electrical Systems, 2017, 28, 405-417.	2.0	3
16	Numerical Model of the Effective Permittivity for Square-Loop Frequency Selective Surfaces. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
17	A computational system based on FEM and PSO techniques for magnetic field optimization. , 2016, , .		0
18	Dielectric design methodology of power transformers based on the cumulative stress method. , 2020, , .		0