

Werner Renhart

List of Publications by Year in descending order

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all docs

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docs citations

35
times ranked

434
citing authors

#	ARTICLE	IF	CITATIONS
1	Pareto Optimality and Particle Swarm Optimization. IEEE Transactions on Magnetics, 2004, 40, 1172-1175.	2.1	127
2	Invited. Temperature monitoring of interstitial thermal tissue coagulation using MR phase images. Journal of Magnetic Resonance Imaging, 1998, 8, 188-196.	3.4	88
3	SMES Optimization Benchmark Extended: Introducing Pareto Optimal Solutions Into TEAM22. IEEE Transactions on Magnetics, 2008, 44, 1066-1069.	2.1	50
4	Multi-Objective Optimization of Yagi-Uda Antenna Applying Enhanced Firefly Algorithm With Adaptive Cost Function. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	36
5	Evolution strategy and hierarchical clustering. IEEE Transactions on Magnetics, 2002, 38, 1041-1044.	2.1	19
6	Niching Evolution Strategies for Simultaneously Finding Global and Pareto Optimal Solutions. IEEE Transactions on Magnetics, 2010, 46, 2743-2746.	2.1	13
7	Multi-Objective Synthesis of NFC-Transponder Systems Based on PEEC Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	11
8	Finite Element Simulation of Impedance Measurement Effects of NFC Antennas. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
9	Transient Behavior of Large Transformer Windings Taking Capacitances and Eddy Currents Into Account. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	9
10	Error Evaluation of Surface Impedance Boundary Conditions With Magnetic Vector Potential Formulation on a Cylindrical Test Problem. IEEE Transactions on Magnetics, 2008, 44, 734-737.	2.1	7
11	Radiation of USB-WLAN Antenna Influenced by Human Tissue and by Notebook Enclosure. IEEE Transactions on Magnetics, 2007, 43, 1345-1348.	2.1	5
12	Investigation of SPICE Models for Overvoltage Protection Devices With Respect to Fast Transients. IEEE Letters on EMC Practice and Applications, 2019, 1, 20-25.	1.1	5
13	Calculation of antenna near field reactions on low conducting materials using the finite element method. IEEE Transactions on Magnetics, 1996, 32, 862-865.	2.1	4
14	Investigation of the resonance behavior of a MR-birdcage applying a 3-D-FEM code. IEEE Transactions on Magnetics, 2001, 37, 3688-3692.	2.1	3
15	Optimal design of a coil arrangement for the identification of hidden ferrous objects. IEEE Transactions on Magnetics, 2002, 38, 1121-1124.	2.1	3
16	Fast, accurate and reliable identification of hidden conductive objects with deterministic and stochastic methods. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 157-166.	0.6	3
17	Synthesis of NFC antenna structure under multi-card condition. , 2018, , .		3
18	Finite element analysis of cable shields to investigate the behavior of the transfer impedance with respect to fast transients. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Determination of capacitances in a twelve column MR-birdcage resonator using finite elements. IEEE Transactions on Magnetics, 2000, 36, 1910-1914.	2.1	2
20	Optimal design of a disk type magneto-rheologic fluid clutch. Elektrotechnik Und Informationstechnik, 2007, 124, 266-272.	1.1	2
21	FEM-Based Computation of Circuit Parameters for Testing Fast Transients for EMC Problems. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
22	Multi-objective optimization of shielding devices for eddy-currents using niching evolution strategies. International Journal of Applied Electromagnetics and Mechanics, 2009, 30, 135-149.	0.6	1
23	Thin Layer Transition Matrix Description Applied to the Finite-Element Method. IEEE Transactions on Magnetics, 2009, 45, 1638-1641.	2.1	1
24	Combined electro-thermal analysis of Li-ion batteries applying the finite element method. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 665-669.	0.6	1
25	UHF RFID Antenna Impedance Characterization: Numerical Simulation of Interconnection Effects on the Antenna Impedance. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
26	Numerical Investigations of the Field Regions for Wire-Based Antenna Systems. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	1
27	Achievement of accuracy in FEM-based solutions by applying the Theorem of reciprocity. IEEE Transactions on Magnetics, 2006, 42, 1443-1446.	2.1	0
28	Radiation of USB-WLAN antenna influenced by human tissue and by notebook enclosure. , 0, , .		0
29	Investigations on ground compensation coils and their influence on the field distribution of electrically short loop antennas. , 2015, , .		0
30	FEM-based Computation of circuit parameters for testing fast transients for EMC problems. , 2016, , .		0
31	UHF RFID antenna impedance characterization: Numerical simulation of interconnection effects on the antenna impedance. , 2016, , .		0
32	Sparse grid of metal strips description implemented into finite element formulation. , 2016, , .		0
33	Sparse Grid of Metal Strips Description Implemented Into Finite-Element Formulation. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	0
34	Investigation of Spice Models for Overvoltage Protection Devices with Respect to Fast Transients. , 2018, , .		0
35	PEEC-based multi-objective synthesis of NFC antennas in the presence of conductive structures. , 2018, , .		0