

Adroaldo Raizer

List of Publications by Year in descending order

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50
papers

346
citations

840776

11
h-index

888059

17
g-index

51
all docs

51
docs citations

51
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	The Use of Digital Twins in Finite Element for the Study of Induction Motors Faults. Sensors, 2021, 21, 7833.	3.8	11
2	Impulse Impedance Measurement Methodology in Space Restricted Locations. , 2019, , .		0
3	Analysis of the Maximum Overvoltages Conducted to the Low Voltage Electric Installations. , 2019, , .		0
4	Characterization of Electromagnetic Near Fields in Industrial Systems. , 2018, , .		0
5	Development of a new methodology for measurements of earth resistance, touch and step voltages within urban substations. Electric Power Systems Research, 2017, 153, 111-118.	3.6	13
6	A contribution to the study of ground grids impulse impedande, based on field measurements. , 2017, , .		0
7	Using a GTEM cell in an interlaboratory comparison of radiated emission. , 2017, , .		0
8	Analysis of digital TV quality parameters in metropolitan regions. , 2017, , .		0
9	Analysis of harmonic current emissions in voltages below the presented by the Standard IEC 61000-3-2. , 2017, , .		2
10	The Use of Equivalent Model and Numerical Simulation for EMC Analysis in Hospital Environments. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 950-955.	2.2	3
11	Development of meander line type antenna for the reception of high definition digital signals. , 2015, , .		0
12	Contribution to Tagg's methodology in the resistance measurement of earth-electrode systems at reduced distances. , 2015, , .		4
13	Ground impedance assessment employing earth measurements, numerical simulations, and analytical techniques. , 2015, , .		2
14	Estimating Far-Field Emissions From Simulated Near-Field Data With Artificial Neural Networks. IEEE Transactions on Magnetics, 2014, 50, 205-208.	2.1	1
15	Impulse coefficient for square grounding grids in low resistivity soils: Influence of injection electrode. Journal of Electrostatics, 2014, 72, 372-380.	1.9	5
16	Near-fields: Numerical modeling and experimental validation in embedded electronic systems. , 2012, , .		1
17	Deterministic tool based on transmission line modelling and Kriging for optimal transmitter location in indoor wireless systems. IET Microwaves, Antennas and Propagation, 2011, 5, 1537.	1.4	3
18	EMC MANAGEMENT: HOW TO COMPARE ELECTROMAGNETIC ENVIRONMENTAL MEASUREMENTS AND EQUIPMENT IMMUNITY LEVELS. Progress in Electromagnetics Research Letters, 2010, 18, 165-177.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Analysis of the Lightning Performance of Overhead Distribution Lines. IEEE Transactions on Power Delivery, 2010, 25, 1706-1712.	4.3	12
20	The Use of TLM and Kriging Methods for Electromagnetic Compatibility Management in Health Care Facilities. IEEE Transactions on Magnetics, 2008, 44, 1478-1481.	2.1	3
21	Optimal Indoor Transmitters Location Using TLM and Kriging Methods. IEEE Transactions on Magnetics, 2008, 44, 1354-1357.	2.1	7
22	Modeling transient discharge suppressors. IEEE Potentials, 2004, 23, 43-45.	0.3	6
23	A new computational approach for electrical analysis of biological tissues. Bioelectrochemistry, 2003, 59, 73-84.	4.6	32
24	Simulation of a mode stirred chamber excited by wires using the TLM method. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2003, 22, 770-778.	0.9	3
25	Transient Scattering from Metallic Enclosures Using 3D Time Domain Methods. , 2003, , 286-291.		2
26	Electromagnetic fields radiated by a cellular phone in close proximity to metallic walls. IEEE Transactions on Magnetics, 2002, 38, 793-796.	2.1	19
27	Single-phase insulator transformers. IEEE Potentials, 2002, 21, 35-38.	0.3	5
28	A three-dimensional current cell (TCC) for the TLM method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2001, 14, 79-93.	1.9	1
29	Tumor compression due application of DC current. IEEE Transactions on Magnetics, 2001, 37, 3753-3756.	2.1	2
30	TLM and FEM methods applied in the analysis of electromagnetic coupling. IEEE Transactions on Magnetics, 2000, 36, 982-985.	2.1	32
31	Wave propagation analysis using a new three-dimensional TLM cell. IEEE Transactions on Magnetics, 2000, 36, 925-930.	2.1	0
32	Hybrid F.E.-wavelet method for nonlinear analysis of nonuniform MTL transients. IEEE Transactions on Magnetics, 2000, 36, 977-981.	2.1	5
33	A fast method for computation of the bistatic radar cross section. IEEE Transactions on Magnetics, 2000, 36, 921-924.	2.1	5
34	Error estimation of finite element solution in nonlinear magnetostatic 2D problems. IEEE Transactions on Magnetics, 1998, 34, 3268-3271.	2.1	13
35	h-p adaptivity with hierarchic hexahedral elements. IEEE Transactions on Magnetics, 1998, 34, 3272-3275.	2.1	0
36	The BECM concepts applied to heal cancer. IEEE Transactions on Magnetics, 1998, 34, 2811-2814.	2.1	1

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37	Optimal meshes and h-p adaptivity. IEEE Transactions on Magnetics, 1997, 33, 1752-1755.	2.1	7
38	An a priori indicator of finite element quality based on the condition number of the stiffness matrix. IEEE Transactions on Magnetics, 1997, 33, 1748-1751.	2.1	7
39	A 3D autoadaptive mesh generator for magnetostatic and magnetodynamic problems. IEEE Transactions on Magnetics, 1994, 30, 3531-3534.	2.1	4
40	A magnetostatic 2D comparison of local error estimators in FEM. IEEE Transactions on Magnetics, 1993, 29, 1902-1905.	2.1	15
41	On the use of the surface impedance concept in shielded and multiconductor cable characterization by the finite element method. IEEE Transactions on Magnetics, 1992, 28, 1446-1449.	2.1	8
42	The impedance boundary condition applied to the finite element method using the magnetic vector potential as state variable: a rigorous solution for high frequency axisymmetric problems. IEEE Transactions on Magnetics, 1992, 28, 1643-1646.	2.1	13
43	New techniques in FEM field calculation applied to power cable characteristics computation. IEEE Transactions on Magnetics, 1990, 26, 2388-2390.	2.1	17
44	Magnetic field computation in a transformer core with an automatic adaptive mesh generator. Journal of Applied Physics, 1990, 67, 5806-5808.	2.5	5
45	pê€andhâ€type adaptive mesh generation. Journal of Applied Physics, 1990, 67, 5803-5805.	2.5	24
46	An approach for automatic adaptive mesh refinement in finite element computation of magnetic fields. IEEE Transactions on Magnetics, 1989, 25, 2965-2967.	2.1	35
47	TLM (transmission-line modeling method) applied to grounding systems. , 0, , .		2
48	Power quality related to switched mode power supplies associations. , 0, , .		1
49	Analysis of harmonic distortion and electromagnetic interference due to and electromagnetic ballasts. , 0, , .		1
50	Comparison of simulated and recorded transients for travelling wave fault location. , 0, , .		8