

Ugo Reggiani

List of Publications by Year in descending order

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42
papers

1,099
citations

567281

15
h-index

552781

26
g-index

43
all docs

43
docs citations

43
times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical method for the extraction of photovoltaic module double-diode model parameters through cluster analysis. <i>Applied Energy</i> , 2010, 87, 442-451.	10.1	202
2	Stray capacitances of single-layer solenoid air-core inductors. <i>IEEE Transactions on Industry Applications</i> , 1999, 35, 1162-1168.	4.9	194
3	High-frequency small-signal model of ferrite core inductors. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 4185-4191.	2.1	93
4	Model of Laminated Iron-Core Inductors for High Frequencies. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 1839-1845.	2.1	92
5	Modelling the electrical properties of concrete for shielding effectiveness prediction. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5366-5372.	2.8	68
6	Common- and Differential-Mode HF Current Components in AC Motors Supplied by Voltage Source Inverters. <i>IEEE Transactions on Power Electronics</i> , 2004, 19, 16-24.	7.9	66
7	Experimental and Numerical Investigation of Termination Impedance Effects in Wireless Power Transfer via Metamaterial. <i>Energies</i> , 2015, 8, 1882-1895.	3.1	36
8	Modelling a PEM fuel cell stack with a nonlinear equivalent circuit. <i>Journal of Power Sources</i> , 2007, 165, 224-231.	7.8	33
9	A simple model for the photocurrent density of a graded band gap CIGS thin film solar cell. <i>Solar Energy</i> , 2012, 86, 920-925.	6.1	30
10	Equivalent circuit characterization of resonant magnetic coupling for wireless transmission of electrical energy. <i>International Journal of Circuit Theory and Applications</i> , 2013, 41, 753-771.	2.0	25
11	A New Approach to Valence and Conduction Band Grading in CIGS Thin Film Solar Cells. <i>International Journal of Engineering and Technology</i> , 2012, 4, 573-576.	0.2	23
12	Experimental Analysis of Wireless Power Transmission with Spiral Resonators. <i>Energies</i> , 2013, 6, 5887-5896.	3.1	20
13	Transform method for calculating low-frequency shielding effectiveness of planar linear multilayered shields. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 3910-3919.	2.1	19
14	FAST CALCULATION AND ANALYSIS OF THE EQUIVALENT IMPEDANCE OF A WIRELESS POWER TRANSFER SYSTEM USING AN ARRAY OF MAGNETICALLY COUPLED RESONATORS. <i>Progress in Electromagnetics Research B</i> , 2018, 80, 101-112.	1.0	16
15	ACCURATE CALCULATION OF THE POWER TRANSFER AND EFFICIENCY IN RESONATOR ARRAYS FOR INDUCTIVE POWER TRANSFER. <i>Progress in Electromagnetics Research B</i> , 2019, 83, 61-76.	1.0	16
16	Transient and steady-state behaviour of solid rotor induction machines. <i>IEEE Transactions on Magnetics</i> , 1983, 19, 2650-2654.	2.1	14
17	Shielding properties of conductive concrete against transient electromagnetic disturbances. , 2009, , .		13
18	Mitigation of electromagnetic interference generated by stray current from a dc rail traction system. , 2012, , .		13

#	ARTICLE	IF	CITATIONS
19	ANALYTICAL CALCULATION OF THE INDUCTANCE OF PLANAR ZIG-ZAG SPIRAL INDUCTORS. Progress in Electromagnetics Research, 2013, 142, 207-220.	4.4	12
20	Physical device modeling of CdTe ultrathin film solar cells. Solar Energy, 2016, 132, 165-172.	6.1	12
21	Auger generation effect on the thermodynamic efficiency of Cu(In,Ga)Se ₂ thin film solar cells. Thin Solid Films, 2013, 537, 285-290.	1.8	11
22	Numerical analysis of degradation kinetics in CdTe thin films. Solar Energy, 2015, 118, 611-621.	6.1	11
23	Experimental study on the termination impedance effects of a resonator array for inductive power transfer in the hundred kHz range. , 2015, , .		10
24	Surface Photovoltage Spectroscopy and AFM Analysis of CIGSe Thin Film Solar Cells. International Journal of Photoenergy, 2015, 2015, 1-5.	2.5	9
25	Model of Misalignment Tolerant Inductive Power Transfer System for EV Charging. , 2020, , .		8
26	Particle Swarm Optimization method for complex permittivity extraction of dispersive materials. , 2010, , .		7
27	Peculiar Role of Holes and Electrons in the Degradation of CdTe Thin Films. IEEE Transactions on Device and Materials Reliability, 2015, 15, 198-205.	2.0	7
28	Magnetic near field from an inductive power transfer system using an array of coupled resonators. , 2016, , .		7
29	Standing Wave Pattern and Distribution of Currents in Resonator Arrays for Wireless Power Transfer. Energies, 2022, 15, 652.	3.1	7
30	Investigation on the shielding effectiveness properties of electrically conductive textiles. , 2008, , .		6
31	Calculation of mutual inductances by means of the toroidal multipole expansion method. IEEE Transactions on Magnetics, 1989, 25, 2992-2994.	2.1	5
32	Study of the conducted emissions of an IPT system composed of an array of magnetically coupled resonators. , 2017, , .		4
33	A method for the solution of an axisymmetric magnetic field synthesis problem. IEEE Transactions on Magnetics, 1991, 27, 4093-4096.	2.1	3
34	Magnetic Near Field Investigation and Shielding Effectiveness Evaluation of an Inductive Power Transfer System with a Resonator Array. , 2020, , .		2
35	Conditions for the existence of an Xâ€point in a magnetic field. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1998, 17, 773-780.	0.9	1
36	Electromagnetic Coupling Inside Enclosures with Closely Coupled Electric Monopoles and Conducting Planes. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
37	Assessment of electrically conductive textiles for use in EMC applications. , 2009, , .		1
38	Prediction of near field EMI interference in power converters via the induced EMF method. , 2014, , .		1
39	Multilayer Flat Spiral Resonators for Low Frequency Wireless Power Transfer. , 2018, , .		1
40	Demonstrating signalling compatibility between two train control systems. , 2007, , .		0
41	Graded band gap CIGS solar cells considering the valence band widening. , 2012, , .		0
42	Erratum to "Peculiar Role of Holes and Electrons in the Degradation of CdTe Thin Films" [Jun 15 198-205]. IEEE Transactions on Device and Materials Reliability, 2015, 15, 637-637.	2.0	0