

Ugo Reggiani

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Standing Wave Pattern and Distribution of Currents in Resonator Arrays for Wireless Power Transfer. <i>Energies</i> , 2022, 15, 652. | 3.1 | 7 |
| 2 | Model of Misalignment Tolerant Inductive Power Transfer System for EV Charging. , 2020, , . | | 8 |
| 3 | Magnetic Near Field Investigation and Shielding Effectiveness Evaluation of an Inductive Power Transfer System with a Resonator Array. , 2020, , . | | 2 |
| 4 | 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 |
| 5 | Multilayer Flat Spiral Resonators for Low Frequency Wireless Power Transfer. , 2018, , . | | 1 |
| 6 | 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 |
| 7 | Study of the conducted emissions of an IPT system composed of an array of magnetically coupled resonators. , 2017, , . | | 4 |
| 8 | Magnetic near field from an inductive power transfer system using an array of coupled resonators. , 2016, , . | | 7 |
| 9 | Physical device modeling of CdTe ultrathin film solar cells. <i>Solar Energy</i> , 2016, 132, 165-172. | 6.1 | 12 |
| 10 | Surface Photovoltage Spectroscopy and AFM Analysis of CIGSe Thin Film Solar Cells. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-5. | 2.5 | 9 |
| 11 | Erratum to "Peculiar Role of Holes and Electrons in the Degradation of CdTe Thin Films" [Jun 15 198-205]. <i>IEEE Transactions on Device and Materials Reliability</i> , 2015, 15, 637-637. | 2.0 | 0 |
| 12 | Numerical analysis of degradation kinetics in CdTe thin films. <i>Solar Energy</i> , 2015, 118, 611-621. | 6.1 | 11 |
| 13 | Experimental and Numerical Investigation of Termination Impedance Effects in Wireless Power Transfer via Metamaterial. <i>Energies</i> , 2015, 8, 1882-1895. | 3.1 | 36 |
| 14 | Peculiar Role of Holes and Electrons in the Degradation of CdTe Thin Films. <i>IEEE Transactions on Device and Materials Reliability</i> , 2015, 15, 198-205. | 2.0 | 7 |
| 15 | Experimental study on the termination impedance effects of a resonator array for inductive power transfer in the hundred kHz range. , 2015, , . | | 10 |
| 16 | Prediction of near field EMI interference in power converters via the induced EMF method. , 2014, , . | | 1 |
| 17 | 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 |
| 18 | Auger generation effect on the thermodynamic efficiency of Cu(In,Ga)Se ₂ thin film solar cells. <i>Thin Solid Films</i> , 2013, 537, 285-290. | 1.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Experimental Analysis of Wireless Power Transmission with Spiral Resonators. Energies, 2013, 6, 5887-5896. | 3.1 | 20 |
| 20 | ANALYTICAL CALCULATION OF THE INDUCTANCE OF PLANAR ZIG-ZAG SPIRAL INDUCTORS. Progress in Electromagnetics Research, 2013, 142, 207-220. | 4.4 | 12 |
| 21 | A New Approach to Valence and Conduction Band Grading in CIGS Thin Film Solar Cells. International Journal of Engineering and Technology, 2012, 4, 573-576. | 0.2 | 23 |
| 22 | Mitigation of electromagnetic interference generated by stray current from a dc rail traction system. , 2012, , . | | 13 |
| 23 | Graded band gap CIGS solar cells considering the valence band widening. , 2012, , . | | 0 |
| 24 | A simple model for the photocurrent density of a graded band gap CIGS thin film solar cell. Solar Energy, 2012, 86, 920-925. | 6.1 | 30 |
| 25 | Numerical method for the extraction of photovoltaic module double-diode model parameters through cluster analysis. Applied Energy, 2010, 87, 442-451. | 10.1 | 202 |
| 26 | Particle Swarm Optimization method for complex permittivity extraction of dispersive materials. , 2010, , . | | 7 |
| 27 | Assessment of electrically conductive textiles for use in EMC applications. , 2009, , . | | 1 |
| 28 | Shielding properties of conductive concrete against transient electromagnetic disturbances. , 2009, , . | | 13 |
| 29 | Investigation on the shielding effectiveness properties of electrically conductive textiles. , 2008, , . | | 6 |
| 30 | Electromagnetic Coupling Inside Enclosures with Closely Coupled Electric Monopoles and Conducting Planes. , 2007, , . | | 1 |
| 31 | Demonstrating signalling compatibility between two train control systems. , 2007, , . | | 0 |
| 32 | Modelling a PEM fuel cell stack with a nonlinear equivalent circuit. Journal of Power Sources, 2007, 165, 224-231. | 7.8 | 33 |
| 33 | Modelling the electrical properties of concrete for shielding effectiveness prediction. Journal Physics D: Applied Physics, 2007, 40, 5366-5372. | 2.8 | 68 |
| 34 | Model of Laminated Iron-Core Inductors for High Frequencies. IEEE Transactions on Magnetics, 2004, 40, 1839-1845. | 2.1 | 92 |
| 35 | Common- and Differential-Mode HF Current Components in AC Motors Supplied by Voltage Source Inverters. IEEE Transactions on Power Electronics, 2004, 19, 16-24. | 7.9 | 66 |
| 36 | Transform method for calculating low-frequency shielding effectiveness of planar linear multilayered shields. IEEE Transactions on Magnetics, 2000, 36, 3910-3919. | 2.1 | 19 |

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|----|--|-----|-----------|
| 37 | High-frequency small-signal model of ferrite core inductors. IEEE Transactions on Magnetics, 1999, 35, 4185-4191. | 2.1 | 93 |
| 38 | Stray capacitances of single-layer solenoid air-core inductors. IEEE Transactions on Industry Applications, 1999, 35, 1162-1168. | 4.9 | 194 |
| 39 | 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 |
| 40 | A method for the solution of an axisymmetric magnetic field synthesis problem. IEEE Transactions on Magnetics, 1991, 27, 4093-4096. | 2.1 | 3 |
| 41 | Calculation of mutual inductances by means of the toroidal multipole expansion method. IEEE Transactions on Magnetics, 1989, 25, 2992-2994. | 2.1 | 5 |
| 42 | Transient and steady-state behaviour of solid rotor induction machines. IEEE Transactions on Magnetics, 1983, 19, 2650-2654. | 2.1 | 14 |