

Mirko Marracci

List of Publications by Year in descending order

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papers

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759233

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all docs

54
docs citations

54
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel microwave-synthesis of Cu nanoparticles in the absence of any stabilizing agent and their antibacterial and antistatic applications. Applied Surface Science, 2013, 280, 610-618.	6.1	79
2	Robot-Based Indoor Positioning of UHF-RFID Tags: The SAR Method With Multiple Trajectories. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	59
3	Ultracapacitor Degradation State Diagnosis via Electrochemical Impedance Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1916-1921.	4.7	46
4	Critical Parameters for Mutual Inductance Between Rogowski Coil and Primary Conductor. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 625-632.	4.7	44
5	Simplified model for evaluating ripple effects on commercial PEM fuel cell. International Journal of Hydrogen Energy, 2012, 37, 13462-13469.	7.1	33
6	Single PEM Fuel Cell Analysis for the Evaluation of Current Ripple Effects. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1058-1064.	4.7	30
7	Characterization of the Accommodation Effect in Soft Hysteretic Materials Via Sensorless Measurement Technique. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2807-2814.	4.7	27
8	Chemical and magnetic properties characterization of magnetic nanoparticles. , 2015, , .		25
9	Characterization of Inductance Gradient and Current Distribution in Electromagnetic Launchers. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1795-1801.	4.7	22
10	High power Lithium Batteries usage in hybrid vehicles. , 2010, , .		19
11	Analytical Study of Impulse Current Measuring Shunts With Cage Configuration. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1260-1267.	4.7	19
12	Comparison of SC and high-power batteries for use in hybrid vehicles. , 0, , .		16
13	Uncertainty Analysis of Local and Integral Methods for Current Distribution Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 177-184.	4.7	16
14	Accommodation study via a sensorless measurement technique. Physica B: Condensed Matter, 2008, 403, 482-485.	2.7	12
15	Current Distribution Measurements in Rail Launcher Multibrush Armatures During Launch. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1138-1144.	4.7	12
16	Shielding Effectiveness Measurements for Ferromagnetic Shields. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 115-121.	4.7	9
17	Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. IEEE Transactions on Magnetics, 2013, 49, 2865-2869.	2.1	9
18	Capacity Fade and Aging Effect on Lithium Battery Cells: A Real Case Vibration Test With UAV. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 76-83.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Characterization of lithium-batteries for high power applications. Journal of Energy Storage, 2022, 50, 104607.	8.1	9
20	A New Approach for Characterizing the Energetic Magnetic Behavior of Fe-9Cr Steel Under Transient Conditions. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3273-3279.	4.7	8
21	Analysis of ultracapacitors ageing in automotive application. Microelectronics Reliability, 2013, 53, 1676-1680.	1.7	8
22	Analysis of precision Rogowski coil via analytical method and effective cross section parameter. , 2016, , .		8
23	Study on remanent magnetization of Fe-9Cr steel and its effect on in-vessel remote handling for future fusion reactors. Fusion Engineering and Design, 2013, 88, 2092-2095.	1.9	7
24	Classification and analysis of failures of ultracapacitors in rail launchers applications. , 2013, , .		6
25	RFID-Based Tracking for Worker Safety in Industrial Scenario. , 2021, , .		6
26	An Improved DAQ-Based Method for Ferrite Characterization. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2413-2421.	4.7	5
27	Pulsed-Current Distribution in Electromagnetic Rail Launchers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9381-9388.	4.7	5
28	Conception of a Temperature Sensor Based on 100- μ m CoFeSiB Ferromagnetic Wire. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	4
29	Fast nano-grained Fe ₃ O ₄ gas sensor for the control of CO and NO ₂ concentrations. , 2016, , .		3
30	Study and characterization of a Rogowski coil with superparamagnetic magnetite core. , 2017, , .		3
31	Ageing Characterization of Li - Ion Batteries Discharged at High Pulse Current Rates. , 2018, , .		3
32	Design of Accurate Rogowski Coil for High Transient Currents. , 2019, , .		3
33	Overcharged Li-Polymer Batteries: A Post-Mortem Analysis. , 2019, , .		3
34	Exploitation of Temperature Effect in 100 μ m Ferromagnetic Wire. , 2020, , .		3
35	Current Distribution in Railgun Rails Through Barycenter Filament Model. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	3
36	Investigation of a 100 μ m Magnetic Wire for Temperature Sensing based on a Time Domain Readout. , 2021, , .		3

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37	Characterization of magnetic properties and losses of Fe-9Cr steel under transient conditions. , 2011, , .		2
38	Frequency dependent failure region definition for supercapacitors. , 2014, , .		2
39	Wireless Charging for Marine Application. , 2018, , .		2
40	An experimental analysis of Lithium battery use for high power application. E3S Web of Conferences, 2021, 238, 09004.	0.5	2
41	On the use of the Dual Resonance Non Linear filter for speech processing in a hearing aid algorithm. , 2011, , .		1
42	Measurement of rail current distribution in rail launchers. , 2014, , .		1
43	Loss analysis in soft ferrite cores for arbitrary input waveforms. , 2016, , .		1
44	Construction and set-up of a whole-room indirect calorimeter for measurement of human energy metabolism. , 2020, , .		1
45	Analysis of SoH for Lithium Battery Cells operating under Vibration Stress. , 2020, , .		1
46	Temperature Effects and Damage Detection on CFRP through Electrical Impedance Spectroscopy. , 2021, , .		1
47	Detection of Armatureâ€“Rail Contact Instabilities in Electromagnetic Launchers. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	1
48	Assessment of the accuracy of electricity price forecasts on the basis of a mixed deterministic-probabilistic approach. , 2005, , .		0
49	Improving data acquisition for characterizazion of soft magnetic ferrites via volt-amperometric technique. , 2011, , .		0
50	Distributed laboratory system for characterization of current distribution in electromagnetic rail launchers. , 2011, , .		0
51	Measurement technique to characterize after-effect in soft magnetic materials. , 2013, , .		0
52	ACCURATE MAGNETIC FLUX MEASUREMENTS IN ELECTROMAGNETIC RAIL LAUNCHERS. Progress in Electromagnetics Research C, 2013, 40, 243-256.	0.9	0
53	Resonant Shield Concept as Alternative Solution in Railguns. IEEE Transactions on Plasma Science, 2015, 43, 1628-1633.	1.3	0
54	PROT-ONE: Better Batteries for Sustainable Marine Transportation. , 2018, , .		0