

Mirko Marracci

List of Publications by Year in descending order

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54
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of lithium-batteries for high power applications. Journal of Energy Storage, 2022, 50, 104607.	8.1	9
2	Detection of Armatureâ€œRail Contact Instabilities in Electromagnetic Launchers. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	1
3	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
4	Current Distribution in Railgun Rails Through Barycenter Filament Model. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	3
5	Investigation of a 100 Åµm Magnetic Wire for Temperature Sensing based on a Time Domain Readout. , 2021, , .		3
6	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
7	Temperature Effects and Damage Detection on CFRP through Electrical Impedance Spectroscopy. , 2021, , .		1
8	Conception of a Temperature Sensor Based on 100-1¼m CoFeSiB Ferromagnetic Wire. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	4
9	An experimental analysis of Lithium battery use for high power application. E3S Web of Conferences, 2021, 238, 09004.	0.5	2
10	RFID-Based Tracking for Worker Safety in Industrial Scenario. , 2021, , .		6
11	Exploitation of Temperature Effect in 100 Åµm Ferromagnetic Wire. , 2020, , .		3
12	Construction and set-up of a whole-room indirect calorimeter for measurement of human energy metabolism. , 2020, , .		1
13	Analysis of SoH for Lithium Battery Cells operating under Vibration Stress. , 2020, , .		1
14	Pulsed-Current Distribution in Electromagnetic Rail Launchers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9381-9388.	4.7	5
15	Design of Accurate Rogowski Coil for High Transient Currents. , 2019, , .		3
16	Overcharged Li-Polymer Batteries: A Post-Mortem Analysis. , 2019, , .		3
17	Ageing Characterization of Li - Ion Batteries Discharged at High Pulse Current Rates. , 2018, , .		3
18	PROT-ONE: Better Batteries for Sustainable Marine Transportation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Wireless Charging for Marine Application. , 2018, , .		2
20	An Improved DAQ-Based Method for Ferrite Characterization. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2413-2421.	4.7	5
21	Study and characterization of a Rogowski coil with superparamagnetic magnetite core. , 2017, , .		3
22	Loss analysis in soft ferrite cores for arbitrary input waveforms. , 2016, , .		1
23	Fast nano-grained Fe$_3$O$_4$ gas sensor for the control of CO and NO$_2$ concentrations. , 2016, , .		3
24	Analysis of precision Rogowski coil via analytical method and effective cross section parameter. , 2016, , .		8
25	Resonant Shield Concept as Alternative Solution in Railguns. IEEE Transactions on Plasma Science, 2015, 43, 1628-1633.	1.3	0
26	Ultracapacitor Degradation State Diagnosis via Electrochemical Impedance Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1916-1921.	4.7	46
27	Chemical and magnetic properties characterization of magnetic nanoparticles. , 2015, , .		25
28	Frequency dependent failure region definition for supercapacitors. , 2014, , .		2
29	Measurement of rail current distribution in rail launchers. , 2014, , .		1
30	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
31	Hysteresis Losses of Minor Loops Versus Temperature in MnZn Ferrite. IEEE Transactions on Magnetics, 2013, 49, 2865-2869.	2.1	9
32	Classification and analysis of failures of ultracapacitors in rail launchers applications. , 2013, , .		6
33	Measurement technique to characterize after-effect in soft magnetic materials. , 2013, , .		0
34	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
35	Analysis of ultracapacitors ageing in automotive application. Microelectronics Reliability, 2013, 53, 1676-1680.	1.7	8
36	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

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37	Uncertainty Analysis of Local and Integral Methods for Current Distribution Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 177-184.	4.7	16
38	Current Distribution Measurements in Rail Launcher Multibrush Armatures During Launch. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1138-1144.	4.7	12
39	ACCURATE MAGNETIC FLUX MEASUREMENTS IN ELECTROMAGNETIC RAIL LAUNCHERS. Progress in Electromagnetics Research C, 2013, 40, 243-256.	0.9	0
40	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
41	Simplified model for evaluating ripple effects on commercial PEM fuel cell. International Journal of Hydrogen Energy, 2012, 37, 13462-13469.	7.1	33
42	Analytical Study of Impulse Current Measuring Shunts With Cage Configuration. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1260-1267.	4.7	19
43	Improving data acquisition for characterizazion of soft magnetic ferrites via volt-amperometric technique. , 2011, , .		0
44	Distributed laboratory system for characterization of current distribution in electromagnetic rail launchers. , 2011, , .		0
45	Critical Parameters for Mutual Inductance Between Rogowski Coil and Primary Conductor. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 625-632.	4.7	44
46	Characterization of Inductance Gradient and Current Distribution in Electromagnetic Launchers. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1795-1801.	4.7	22
47	Characterization of magnetic properties and losses of Fe-9Cr steel under transient conditions. , 2011, , .		2
48	On the use of the Dual Resonance Non Linear filter for speech processing in a hearing aid algorithm. , 2011, , .		1
49	High power Lithium Batteries usage in hybrid vehicles. , 2010, , .		19
50	Shielding Effectiveness Measurements for Ferromagnetic Shields. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 115-121.	4.7	9
51	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
52	Accommodation study via a sensorless measurement technique. Physica B: Condensed Matter, 2008, 403, 482-485.	2.7	12
53	Assessment of the accuracy of electricity price forecasts on the basis of a mixed deterministic-probabilistic approach. , 2005, , .		0
54	Comparison of SC and high-power batteries for use in hybrid vehicles. , 0, , .		16