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List of Publications by Year in descending order

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51
papers

919
citations

932766

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53
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53
docs citations

53
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-level energy management system for multi-source electric vehicles – An integrated rule-based meta-heuristic approach. Applied Energy, 2013, 105, 304-318.	5.1	252
2	A Real-Time Energy Management Architecture for Multisource Electric Vehicles. IEEE Transactions on Industrial Electronics, 2015, 62, 3223-3233.	5.2	100
3	A Controllable Bidirectional Battery Charger for Electric Vehicles with Vehicle-to-Grid Capability. IEEE Transactions on Vehicular Technology, 2018, 67, 114-123.	3.9	100
4	Main Trends and Challenges in Road Transportation Electrification. Transportation Research Procedia, 2018, 33, 235-242.	0.8	55
5	A Simulated Annealing Approach for Optimal Power Source Management in a Small EV. IEEE Transactions on Sustainable Energy, 2013, 4, 867-876.	5.9	53
6	Hybrid electric excursion ships power supply system based on a multiple energy storage system. IET Electrical Systems in Transportation, 2016, 6, 190-201.	1.5	37
7	Robust DC-Link Control in EVs With Multiple Energy Storage Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 3553-3565.	3.9	35
8	Simulation model and road tests comparative results of a small urban electric vehicle. , 2009, , .		32
9	Control scheme for hybridised electric vehicles with an online power follower management strategy. IET Electrical Systems in Transportation, 2015, 5, 12-23.	1.5	25
10	Redesigning European Public Transport: Impact of New Battery Technologies in the Design of Electric Bus Fleets. Transportation Research Procedia, 2018, 33, 195-202.	0.8	24
11	Comparative study of different electric machines in the powertrain of a small electric vehicle. , 2008, , .		17
12	Design Methodology of Energy Storage Systems for a Small Electric Vehicle. World Electric Vehicle Journal, 2009, 3, 670-681.	1.6	15
13	Electric vehicles chargers characterization: Load demand and harmonic distortion. , 2011, , .		15
14	DC link control for multiple energy sources in electric vehicles. , 2011, , .		13
15	Impact of Fast-Charging and Regenerative Braking in LiFePO4 Batteries for Electric Bus Applications. , 2017, , .		11
16	An integrated fuzzy logic energy management for a dual-source electric vehicle. , 2013, , .		10
17	Comparison of Different Battery Technologies for Electric Minibuses Using Energetic Macroscopic Representation. , 2014, , .		10
18	Modelling of an Urban Electric MiniBus Using Energetic Macroscopic Representation Graphic Description. , 2015, , .		10

#	ARTICLE	IF	CITATIONS
19	Regenerative Braking Strategy of a Formula SAE Electric Race Car Using Energetic Macroscopic Representation. World Electric Vehicle Journal, 2020, 11, 45.	1.6	8
20	Analysis of operation modes for a neighborhood electric vehicle with power sources hybridization. , 2010, , .		7
21	An automated energy management system in a smart grid context. , 2012, , .		7
22	Hybrid topologies comparison for electric vehicles with multiple energy storage systems. , 2013, , .		7
23	An outlook of electric vehicle daily use in the framework of an energy management system. Management of Environmental Quality, 2015, 26, 588-606.	2.2	7
24	Reduced-Scale Hardware-In-the-Loop Simulation of an Urban Electric Minibus Using Energetic Macroscopic Representation. , 2017, , .		6
25	Multiple energy sources monitoring system for electric vehicle. , 2008, , .		5
26	Application of a decoupling method based on online filtering technique for multi-source electric vehicles. , 2013, , .		5
27	Carbon Care Action of IEEE-VPPC'14. , 2015, , .		5
28	Evaluation of the high voltage transmission line inductance and capacitance using the finite element approach. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1998, 17, 313-317.	0.5	4
29	Study of inductor effects in a bidirectional DC-DC converter for electrical vehicle. , 2010, , .		4
30	Experimental large-signal characterization of power inductors in bidirectional electric vehicle DC-DC converters for simulation analysis. , 2013, , .		4
31	Comparative Study of Different Energy Management Strategies for Dual-Source Electric Vehicles. World Electric Vehicle Journal, 2013, 6, 523-531.	1.6	4
32	Intelligent Electric Vehicle Charging Controller. , 2021, , .		4
33	A unified energy management strategy for a dual-source electric vehicle. , 2013, , .		3
34	Lithium Iron Phosphate and Lithium Titanate Oxide Cell Performance under High Power Requirements of Electric Bus Applications. , 2018, , .		3
35	Study of Regenerative Braking Effects in a Small Electric Race Car using Energetic Macroscopic Representation. , 2019, , .		3
36	Heavy duty transport decarbonization: Legislation and Standards for Hydrogen and Battery Electric Buses and Heavy-Duty Trucks. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
37	Power adjustable electric vehicle charger under Energy Box purpose. , 2013, , .		2
38	Sustainable Trolleybus System: Rectifier Substation Technology Improvement for Energy Efficiency and Operational Cost Reduction. , 2014, , .		2
39	Learning Electric Vehicles and Traction at the Polytechnic of Coimbra. , 2016, , .		2
40	Guest Editorial Special Issue based on "Energy Storage and Electric power Subsystems for Advanced Vehicles" For Invited Papers of IEEE VPPC 2014. IET Electrical Systems in Transportation, 2016, 6, 1-2.	1.5	2
41	Hardware-In-the-Loop Emulation of a Small Electric Race Car Using Energetic Macroscopic Representation. , 2019, , .		2
42	A systematic approach to analyse the harmonic distortion in industry. , 2011, , .		1
43	Comparative study of different energy management strategies for dual-source electric vehicles. , 2013, , .		1
44	Learning Energy Storage in Hybrid/Electric Vehicles: Erasmus Mundus Master Course in Sustainable Transportation & Electrical Power Systems. , 2016, , .		1
45	Empowering International, Intersectoral and Interdisciplinary Dimensions in Higher Education: The STEPS and EECPS Master Courses Experience. , 2019, , .		1
46	International and European Legislation and Standards for Battery Electric Buses. , 2020, , .		1
47	HIL Simulation of an Electric Race Car with Electric Differential and Regenerative Braking. , 2020, , .		1
48	Welcome General Chair. , 2014, , .		0
49	Guest Editorial for Special Issue: Design, Modeling and Control of Electric Vehicles: Selected papers from IEEE Vehicle Power and Propulsion Conference (VPPC 2015). IET Electrical Systems in Transportation, 2017, 7, 1-2.	1.5	0
50	Guest Editorial: Design, Modeling and Control of Electric Drives for Transportation Applications. IET Electrical Systems in Transportation, 2018, 8, 1-2.	1.5	0
51	Technical-Economic Analysis of a Power Supply System for Electric Vehicle Charging Stations Using Photovoltaic Energy and Electrical Energy Storage System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 73-86.	0.2	0