Poria Fajri

List of Publications by Year
in descending order

56 papers	1,260 citations	516215 16 h-index	610482 24 g-index
56 all docs	56 docs citations	56 times ranked	1286 citing authors

#	Article	IF	Citations
1	A DC–DC Converter With High Voltage Gain and Two Input Boost Stages. IEEE Transactions on Power Electronics, 2016, 31, 4206-4215.	5.4	271
2	Reactive Power Management for Overvoltage Prevention at High PV Penetration in a Low-Voltage Distribution System. IEEE Transactions on Industry Applications, 2017, 53, 5786-5794.	3.3	112
3	Maximizing Regenerative Braking Energy Recovery of Electric Vehicles Through Dynamic Low-Speed Cutoff Point Detection. IEEE Transactions on Transportation Electrification, 2019, 5, 262-270.	5.3	85
4	A Market Framework for Decentralized Congestion Management in Smart Distribution Grids Considering Collaboration Among Electric Vehicle Aggregators. IEEE Transactions on Smart Grid, 2020, 11, 1147-1158.	6.2	85
5	Energy management and optimal storage sizing for a shared community: A multi-stage stochastic programming approach. Applied Energy, 2019, 236, 42-54.	5.1	77
6	Modeling and Integration of Electric Vehicle Regenerative and Friction Braking for Motor/Dynamometer Test Bench Emulation. IEEE Transactions on Vehicular Technology, 2016, 65, 4264-4273.	3.9	70
7	Peer-to-Peer Operation Strategy of PV Equipped Office Buildings and Charging Stations Considering Electric Vehicle Energy Pricing. IEEE Transactions on Industry Applications, 2020, 56, 5848-5857.	3.3	59
8	An Overview of Direct Current Distribution System Architectures & Benefits. Energies, 2018, 11, 2463.	1.6	45
9	Development of an Experimental Testbed for Research in Lithium-Ion Battery Management Systems. Energies, 2013, 6, 5231-5258.	1.6	42
10	Realistic and Intelligent Management of Connected Storage Devices in Future Smart Homes Considering Energy Price Tag. IEEE Transactions on Industry Applications, 2020, 56, 1679-1689.	3.3	35
11	Optimal Brake Allocation in Electric Vehicles for Maximizing Energy Harvesting During Braking. IEEE Transactions on Energy Conversion, 2020, 35, 1806-1814.	3.7	30
12	Cost optimization and reliability assessment of a microgrid with large-scale plug-in electric vehicles participating in demand response programs. International Journal of Green Energy, 2020, 17, 127-136.	2.1	24
13	Self-Healing Predictive Control of Battery System in Naval Power System With Pulsed Power Loads. IEEE Transactions on Energy Conversion, 2021, 36, 1056-1069.	3.7	22
14	Intelligent Charge Rate Optimization of PHEVs Incorporating Driver Satisfaction and Grid Constraints. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1325-1332.	4.7	20
15	Optimal management of residential energy storage systems in presence of intermittencies. Journal of Building Engineering, 2020, 29, 101149.	1.6	18
16	Electromagnetic Analysis and Design Methodology for Permanent Magnet Motors Using MotorAnalysis-PM Software. Machines, 2019, 7, 75.	1.2	17
17	Load regulation of a smart household with PV-storage and electric vehicle by dynamic programming successive algorithm technique. , 2016, , .		15
18	Optimum low speed control of regenerative braking for electric vehicles. , 2017, , .		14

#	Article	IF	Citations
19	Charge scheduling of a plug-in electric vehicle considering load demand uncertainty based on multi-stage stochastic optimization. , 2017, , .		13
20	Influencing Factors in Low Speed Regenerative Braking Performance of Electric Vehicles. , 2018, , .		13
21	Modelling and sliding‐mode control of a single‐phase single‐stage converter with application to plug‐in electric vehicles. IET Power Electronics, 2019, 12, 620-626.	1.5	13
22	The Impacts of a Decision Making Framework on Distribution Network Reconfiguration. IEEE Transactions on Sustainable Energy, 2021, 12, 634-645.	5.9	13
23	Modeling and Control of a Multifunctional Three-Phase Converter for Bidirectional Power Flow in Plug-In Electric Vehicles. Energies, 2020, 13, 2591.	1.6	12
24	A Novel Control Strategy for the Frequency and Voltage Regulation of Distribution Grids Using Electric Vehicle Batteries. Energies, 2021, 14, 1435.	1.6	12
25	Control of Interlinking Bidirectional Converter in AC/DC Hybrid Microgrid Operating in Stand-Alone Mode. , 2019, , .		11
26	Regenerative Braking Performance of Different Electric Vehicle Configurations Considering Dynamic Low Speed Cutoff Point. , 2018, , .		10
27	Reactive power management for overvoltage prevention at high PV penetration in low voltage distribution system. , 2015, , .		9
28	Energy Storage Management Strategy Based on Dynamic Programming and Optimal Sizing of PV Panel-Storage Capacity for a Residential System. , 2018, , .		9
29	Energy Management of Multi-Energy Storage Systems Using Energy Path Decomposition. , 2019, , .		9
30	Maximizing Harvested Energy through Regenerative Braking Process in Dual-Motor All-Wheel Drive Electric Vehicles. , 2020, , .		8
31	Modeling, Analysis, and Control Design of a Single-Stage Boost Inverter. Energies, 2021, 14, 4098.	1.6	8
32	Effect of brake power distribution on dynamic programming technique in plug-in series hybrid electric vehicle control strategy. , 2015, , .		6
33	Development of a Series Hybrid Electric Vehicle Laboratory Test Bench with Hardware-in-the-Loop Capabilities. , 2018, , .		6
34	Optimal Blending of Regenerative and Friction Braking at Low Speeds for Maximizing Energy Extraction in Electric Vehicles. , 2019, , .		6
35	A GA-based Approach to Eco-driving of Electric Vehicles Considering Regenerative Braking. , 2021, , .		6
36	Multi-Timescale Risk-Constrained Volt/VAR Control of Distribution Grids with Electric Vehicles and Solar Inverters. , 2021, , .		6

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37	A Novel Approach for Maximizing Regenerative Braking Energy Extraction of Electric Vehicles Using Motor Performance Lookup Table. , 2019, , .		5
38	Active and Reactive Power Compensation using a PEV-Based Three-Level Capacitor Clamped Inverter. , 2019, , .		5
39	Energy-Aware Driving Profile of Autonomous Electric Vehicles Considering Regenerative Braking Limitations. , 2022, , .		5
40	Hierarchical droop controlled frequency optimization and energy management of a grid-connected microgrid. , 2017, , .		4
41	A Review of Single-Phase Single-Stage DC/AC Boost Inverter Topologies and Their Controllers. , 2018, , .		4
42	A Novel Combined Control Strategy for a Two-Stage Parallel Full-Wave ZCS Quasi Resonant Boost Converter for PV-Based Battery Charging Systems with Maximum Power Point Tracking. Electricity, 2022, 3, 145-161.	1.4	4
43	Smart Home Energy Management Considering Real-Time Energy Pricing of Plug-in Electric Vehicles. , 2018, , .		3
44	Misalignment Correction in Wireless Power Transfer of Electric Vehicles by Angular Compensation. , 2020, , .		3
45	Artificial Intelligence Inspired Model Predictive Control for Frequency Regulation in Power Electronics Dominated Grids. , 2021, , .		3
46	Loss of Load Probability of Power Systems Considering the High PHEV Penetration Rates. , 2018, , .		2
47	Hierarchical Energy Management Strategy for a Community of Multi Smart Homes. , 2018, , .		2
48	Combined Propulsion and Levitation Control for Maglev/Hyperloop Systems Utilizing Asymmetric Double-Sided Linear Induction Motors. Machines, 2022, 10, 131.	1.2	2
49	Examining the impact of PHEVs on GHG emissions based on various objectives. , 2017, , .		1
50	Voltage Mode Control of Single-Phase Boost Inverter in dq Reference Frame. , 2018, , .		1
51	A New System of Combined Propulsion and Levitation for Maglev Transportation. , 2020, , .		1
52	Space Vector Modulation Scheme for Dual-Output Four-Leg Inverter. , 2020, , .		1
53	A New Stator Winding Inter-Turn Short Circuit Fault Detection Method For Brushless Doubly Fed Induction Machine. , 2020, , .		1
54	A Collaborative Market-based Framework to Cope with Overvoltages Caused by Massive Penetration of Rooftop PVs in Modern Distribution Systems. , 2021, , .		1

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55	Stochastic Expansion Planning of Various Energy Storage Technologies in Active Power Distribution Networks. Sustainability, 2021, 13, 5752.	1.6	1
56	Virtual Synchronous Generator-Based Control of Voltage Source Converters for Weak AC Grids. , 2019, , .		0