

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55 papers	1,922 citations	22 h-index	43 g-index
59 ext. papers	3,051 ext. citations	5.1 avg, IF	5.63 L-index

#	Paper	IF	Citations
55	State-of-the-Art and Energy Management System of Lithium-Ion Batteries in Electric Vehicle Applications: Issues and Recommendations. <i>IEEE Access</i> , 2018 , 6, 19362-19378	3.5	265
54	A review of state of health and remaining useful life estimation methods for lithium-ion battery in electric vehicles: Challenges and recommendations. <i>Journal of Cleaner Production</i> , 2018 , 205, 115-133	10.3	246
53	Review of Energy Storage System Technologies in Microgrid Applications: Issues and Challenges. <i>IEEE Access</i> , 2018 , 6, 35143-35164	3.5	209
52	Optimization of energy management system for fuel-cell hybrid electric vehicles: Issues and recommendations. <i>Applied Energy</i> , 2018 , 228, 2061-2079	10.7	150
51	State of Charge Estimation for Lithium-Ion Batteries Using Model-Based and Data-Driven Methods: A Review. <i>IEEE Access</i> , 2019 , 7, 136116-136136	3.5	123
50	Grid-connected renewable energy sources: Review of the recent integration requirements and control methods. <i>Journal of Cleaner Production</i> , 2020 , 253, 119831	10.3	102
49	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. <i>IEEE Access</i> , 2018 , 6, 38997-39014	3.5	95
48	. <i>IEEE Access</i> , 2020 , 8, 19113-19132	3.5	78
47	Power electronics contribution to renewable energy conversion addressing emission reduction: Applications, issues, and recommendations. <i>Applied Energy</i> , 2019 , 251, 113404	10.7	55
46	Microgrid control methods toward achieving sustainable energy management. <i>Applied Energy</i> , 2019 , 240, 583-607	10.7	55
45	Review of optimal methods and algorithms for sizing energy storage systems to achieve decarbonization in microgrid applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 131, 110022	16.2	52
44	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. <i>IEEE Access</i> , 2019 , 7, 24934-24955	3.5	46
43	Artificial Intelligent Based Damping Controller Optimization for the Multi-Machine Power System: A Review. <i>IEEE Access</i> , 2018 , 6, 39574-39594	3.5	38
42	Power Quality Assessment of Grid-Connected PV System in Compliance with the Recent Integration Requirements. <i>Electronics (Switzerland)</i> , 2020 , 9, 366	2.6	36
41	State-of-Charge Estimation of Li-Ion Battery in Electric Vehicles: A Deep Neural Network Approach. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 5565-5574	4.3	34
40	Optimized controller for renewable energy sources integration into microgrid: Functions, constraints and suggestions. <i>Journal of Cleaner Production</i> , 2020 , 256, 120419	10.3	32
39	Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. <i>Sustainable Cities and Society</i> , 2020 , 62, 102393	10.1	31

38	Advanced Control Strategies of VSC Based HVDC Transmission System: Issues and Potential Recommendations. <i>IEEE Access</i> , 2018 , 6, 78352-78369	3.5	29
37	SOC Estimation of Li-ion Batteries With Learning Rate-Optimized Deep Fully Convolutional Network. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7349-7353	7.2	26
36	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. <i>Energies</i> , 2017 , 10, 1390	3.1	23
35	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. <i>IEEE Access</i> , 2018 , 6, 47489-47510	3.5	23
34	Binary Particle Swarm Optimization for Scheduling MG Integrated Virtual Power Plant Toward Energy Saving. <i>IEEE Access</i> , 2019 , 7, 107937-107951	3.5	22
33	The value of thermal management control strategies for battery energy storage in grid decarbonization: Issues and recommendations. <i>Journal of Cleaner Production</i> , 2020 , 276, 124223	10.3	18
32	Backtracking Search Algorithm Based Fuzzy Charging-Discharging Controller for Battery Storage System in Microgrid Applications. <i>IEEE Access</i> , 2019 , 7, 159357-159368	3.5	14
31	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. <i>Nature Communications</i> , 2020 , 11, 3792	17.4	11
30	Fuzzy Based Particle Swarm Optimization for Modeling Home Appliances Towards Energy Saving and Cost Reduction Under Demand Response Consideration. <i>IEEE Access</i> , 2020 , 8, 210784-210799	3.5	10
29	Fuzzy-Based Charging/Discharging Controller for Lithium-Ion Battery in Microgrid Applications. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 4187-4195	4.3	10
28	Intelligent Controllers and Optimization Algorithms for Building Energy Management Towards Achieving Sustainable Development: Challenges and Prospects. <i>IEEE Access</i> , 2021 , 9, 41577-41602	3.5	10
27	Recent Development of Thermophotovoltaic System for Waste Heat Harvesting Application and Potential Implementation in Thermal Power Plant. <i>IEEE Access</i> , 2020 , 8, 105156-105168	3.5	9
26	State-of-Charge Estimation of Li-ion Battery Using Gated Recurrent Unit With One-Cycle Learning Rate Policy. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2964-2971	4.3	8
25	Detection of 2FAL Furanic Compound in Transformer Oil Using Optical Spectroscopy Method and Verification Using Morse Oscillation Theory. <i>IEEE Access</i> , 2020 , 8, 76773-76779	3.5	6
24	Review on Solid-State Transfer Switch Configurations and Control Methods: Applications, Operations, Issues, and Future Directions. <i>IEEE Access</i> , 2020 , 8, 182490-182505	3.5	6
23	A Review on Thermophotovoltaic Cell and Its Applications in Energy Conversion: Issues and Recommendations. <i>Materials</i> , 2021 , 14,	3.5	6
22	Grid-connected lithium-ion battery energy storage system: A bibliometric analysis for emerging future directions. <i>Journal of Cleaner Production</i> , 2022 , 334, 130272	10.3	5
21	Energy Management Scheduling for Microgrids in the Virtual Power Plant System Using Artificial Neural Networks. <i>Energies</i> , 2021 , 14, 6507	3.1	5

20	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. <i>PLoS ONE</i> , 2020 , 15, e0243581	3.7	5
19	InAs avalanche photodiodes for X-ray detection. <i>Journal of Instrumentation</i> , 2011 , 6, P12005-P12005	1	4
18	State-of-Charge Estimation of Li-ion Battery in Electric Vehicles: A Deep Neural Network Approach 2019 ,		4
17	Modeling of 14 nm gate length n-Type MOSFET 2015 ,		3
16	Optimal Algorithms for Energy Storage Systems in Microgrid Applications: An Analytical Evaluation Towards Future Directions. <i>IEEE Access</i> , 2022 , 10, 10105-10123	3.5	2
15	Color Index of Transformer Oil: A Low-Cost Measurement Approach Using Ultraviolet-Blue Laser. <i>Sensors</i> , 2021 , 21,	3.8	2
14	State-of-Charge Estimation of Li-ion Battery at Variable Ambient Temperature with Gated Recurrent Unit Network 2020 ,		2
13	A Feasible Alternative to FDSOI and FinFET: Optimization of W/LaO/Si Planar PMOS with 14 nm Gate-Length. <i>Materials</i> , 2021 , 14,	3.5	2
12	GPS-based highway toll collection system: Novel design and operation. <i>Cogent Engineering</i> , 2017 , 4, 1326199	1.99	1
11	Rule-based fuzzy controller for solid state transfer switch towards fast sensitive loads transfer. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	1
10	The Amber-Colored Liquid: A Review on the Color Standards, Methods of Detection, Issues and Recommendations. <i>Sensors</i> , 2021 , 21,	3.8	1
9	Fault Prediction for Power Transformer Using Optical Spectrum of Transformer Oil and Data Mining Analysis. <i>IEEE Access</i> , 2020 , 8, 136374-136381	3.5	1
8	Portable NIR Spectroscopy Measuring Device for Transformer Oil DBPC Inhibitor Analysis. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2114-2119	4.3	1
7	Utilization of Renewable Energy for Power Sector in Yemen: Current Status and Potential Capabilities. <i>IEEE Access</i> , 2021 , 9, 79278-79292	3.5	1
6	Performance of Ge and In _{0.53} Ga _{0.47} as Thermophotovoltaic Cells under Different Spectral Irradiances. <i>IEEE Access</i> , 2021 , 9, 37091-37102	3.5	1
5	Influence of front surface single-pulse laser drilling on a bifacial solar cell determined through simulation and experiment. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	
4	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system 2020 , 15, e0243581		
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