

# Mahammad A Hannan

## List of Publications by Year in descending order

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293  
papers

14,550  
citations

24978

57  
h-index

22764

112  
g-index

298  
all docs

298  
docs citations

298  
times ranked

10857  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of lithium-ion battery state of charge estimation and management system in electric vehicle applications: Challenges and recommendations. Renewable and Sustainable Energy Reviews, 2017, 78, 834-854.	8.2	1,292
2	Review of energy storage systems for electric vehicle applications: Issues and challenges. Renewable and Sustainable Energy Reviews, 2017, 69, 771-789.	8.2	660
3	State-of-the-Art and Energy Management System of Lithium-Ion Batteries in Electric Vehicle Applications: Issues and Recommendations. IEEE Access, 2018, 6, 19362-19378.	2.6	576
4	Hybrid electric vehicles and their challenges: A review. Renewable and Sustainable Energy Reviews, 2014, 29, 135-150.	8.2	546
5	A review of state of health and remaining useful life estimation methods for lithium-ion battery in electric vehicles: Challenges and recommendations. Journal of Cleaner Production, 2018, 205, 115-133.	4.6	463
6	Review of Energy Storage System Technologies in Microgrid Applications: Issues and Challenges. IEEE Access, 2018, 6, 35143-35164.	2.6	434
7	State of Charge Estimation for Lithium-Ion Batteries Using Model-Based and Data-Driven Methods: A Review. IEEE Access, 2019, 7, 136116-136136.	2.6	366
8	A review on energy management system for fuel cell hybrid electric vehicle: Issues and challenges. Renewable and Sustainable Energy Reviews, 2015, 52, 802-814.	8.2	359
9	Optimization of energy management system for fuel-cell hybrid electric vehicles: Issues and recommendations. Applied Energy, 2018, 228, 2061-2079.	5.1	262
10	Uncertainty models for stochastic optimization in renewable energy applications. Renewable Energy, 2020, 145, 1543-1571.	4.3	245
11	Battery energy-storage system: A review of technologies, optimization objectives, constraints, approaches, and outstanding issues. Journal of Energy Storage, 2021, 42, 103023.	3.9	237
12	Energy harvesting for the implantable biomedical devices: issues and challenges. BioMedical Engineering OnLine, 2014, 13, 79.	1.3	233
13	Grid-connected renewable energy sources: Review of the recent integration requirements and control methods. Journal of Cleaner Production, 2020, 253, 119831.	4.6	218
14	Neural Network Approach for Estimating State of Charge of Lithium-Ion Battery Using Backtracking Search Algorithm. IEEE Access, 2018, 6, 10069-10079.	2.6	201
15	Solar photovoltaic energy optimization methods, challenges and issues: A comprehensive review. Journal of Cleaner Production, 2021, 284, 125465.	4.6	198
16	State of the Art of Solid-State Transformers: Advanced Topologies, Implementation Issues, Recent Progress and Improvements. IEEE Access, 2020, 8, 19113-19132.	2.6	189
17	Battery charge equalization controller in electric vehicle applications: A review. Renewable and Sustainable Energy Reviews, 2017, 75, 1363-1385.	8.2	183
18	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. IEEE Access, 2018, 6, 38997-39014.	2.6	177

#	ARTICLE	IF	CITATIONS
19	Hydrogen energy storage integrated hybrid renewable energy systems: A review analysis for future research directions. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 17285-17312.	3.8	168
20	A review on technologies and their usage in solid waste monitoring and management systems: Issues and challenges. <i>Waste Management</i> , 2015, 43, 509-523.	3.7	162
21	Capacitated vehicle-routing problem model for scheduled solid waste collection and route optimization using PSO algorithm. <i>Waste Management</i> , 2018, 71, 31-41.	3.7	160
22	Review on Scheduling, Clustering, and Forecasting Strategies for Controlling Electric Vehicle Charging: Challenges and Recommendations. <i>IEEE Access</i> , 2019, 7, 128353-128371.	2.6	158
23	Intelligent algorithms and control strategies for battery management system in electric vehicles: Progress, challenges and future outlook. <i>Journal of Cleaner Production</i> , 2021, 292, 126044.	4.6	151
24	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.	3.3	148
25	Data-driven state of charge estimation of lithium-ion batteries: Algorithms, implementation factors, limitations and future trends. <i>Journal of Cleaner Production</i> , 2020, 277, 124110.	4.6	147
26	Artificial Neural Networks Based Optimization Techniques: A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 2689.	1.8	139
27	Multi-sources model and control algorithm of an energy management system for light electric vehicles. <i>Energy Conversion and Management</i> , 2012, 62, 123-130.	4.4	137
28	Toward Enhanced State of Charge Estimation of Lithium-ion Batteries Using Optimized Machine Learning Techniques. <i>Scientific Reports</i> , 2020, 10, 4687.	1.6	137
29	Lithium-Ion Battery Charge Equalization Algorithm for Electric Vehicle Applications. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 2541-2549.	3.3	134
30	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.	8.2	130
31	Optimization techniques to enhance the performance of induction motor drives: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1611-1626.	8.2	127
32	Extreme Learning Machine Model for State-of-Charge Estimation of Lithium-Ion Battery Using Gravitational Search Algorithm. <i>IEEE Transactions on Industry Applications</i> , 2019, 55, 4225-4234.	3.3	126
33	State of Charge Estimation for Lithium-Ion Battery Using Recurrent NARX Neural Network Model Based Lighting Search Algorithm. <i>IEEE Access</i> , 2018, 6, 28150-28161.	2.6	124
34	An improved control method of battery energy storage system for hourly dispatch of photovoltaic power sources. <i>Energy Conversion and Management</i> , 2013, 73, 256-270.	4.4	123
35	Backtracking search algorithm in CVRP models for efficient solid waste collection and route optimization. <i>Waste Management</i> , 2017, 61, 117-128.	3.7	119
36	Radio Frequency Identification (RFID) and communication technologies for solid waste bin and truck monitoring system. <i>Waste Management</i> , 2011, 31, 2406-2413.	3.7	113

#	ARTICLE	IF	CITATIONS
37	Intelligent maximum power point tracking for PV system using Hopfield neural network optimized fuzzy logic controller. Energy and Buildings, 2012, 51, 29-38.	3.1	110
38	Power electronics contribution to renewable energy conversion addressing emission reduction: Applications, issues, and recommendations. Applied Energy, 2019, 251, 113404.	5.1	109
39	Vision-Based Traffic Sign Detection and Recognition Systems: Current Trends and Challenges. Sensors, 2019, 19, 2093.	2.1	98
40	Power Quality in Microgrids Including Supraharmonics: Issues, Standards, and Mitigations. IEEE Access, 2020, 8, 127104-127122.	2.6	95
41	Microgrid control methods toward achieving sustainable energy management. Applied Energy, 2019, 240, 583-607.	5.1	93
42	SOC Estimation of Li-ion Batteries With Learning Rate-Optimized Deep Fully Convolutional Network. IEEE Transactions on Power Electronics, 2021, 36, 7349-7353.	5.4	93
43	Real-Time Testing of a Fuzzy-Logic-Controller-Based Grid-Connected Photovoltaic Inverter System. IEEE Transactions on Industry Applications, 2015, 51, 4775-4784.	3.3	91
44	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. IEEE Access, 2019, 7, 24934-24955.	2.6	85
45	Modulation Techniques for Biomedical Implanted Devices and Their Challenges. Sensors, 2012, 12, 297-319.	2.1	81
46	Theoretical model and implementation of a real time intelligent bin status monitoring system using rule based decision algorithms. Expert Systems With Applications, 2016, 48, 76-88.	4.4	79
47	Power Quality Assessment of Grid-Connected PV System in Compliance with the Recent Integration Requirements. Electronics (Switzerland), 2020, 9, 366.	1.8	77
48	Integrated technologies for solid waste bin monitoring system. Environmental Monitoring and Assessment, 2011, 177, 399-408.	1.3	75
49	Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. Sustainable Cities and Society, 2020, 62, 102393.	5.1	73
50	Fuzzy logic speed controller optimization approach for induction motor drive using backtracking search algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 78, 49-62.	2.5	72
51	Solid waste collection optimization objectives, constraints, modeling approaches, and their challenges toward achieving sustainable development goals. Journal of Cleaner Production, 2020, 277, 123557.	4.6	72
52	Solid waste bin level detection using gray level co-occurrence matrix feature extraction approach. Journal of Environmental Management, 2012, 104, 9-18.	3.8	70
53	Battery storage systems integrated renewable energy sources: A biblio metric analysis towards future directions. Journal of Energy Storage, 2021, 35, 102296.	3.9	66
54	An Optimal Scheduling Controller for Virtual Power Plant and Microgrid Integration Using the Binary Backtracking Search Algorithm. IEEE Transactions on Industry Applications, 2018, 54, 2834-2844.	3.3	63

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55	Scheduling controller for microgrids energy management system using optimization algorithm in achieving cost saving and emission reduction. <i>Applied Energy</i> , 2021, 292, 116883.	5.1	63
56	Optimized controller for renewable energy sources integration into microgrid: Functions, constraints and suggestions. <i>Journal of Cleaner Production</i> , 2020, 256, 120419.	4.6	62
57	Impact of renewable energy utilization and artificial intelligence in achieving sustainable development goals. <i>Energy Reports</i> , 2021, 7, 5359-5373.	2.5	62
58	An Enhanced Inverter Controller for PV Applications Using the dSPACE Platform. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-10.	1.4	58
59	Solid waste bin detection and classification using Dynamic Time Warping and MLP classifier. <i>Waste Management</i> , 2014, 34, 281-290.	3.7	57
60	Advanced Control Strategies of VSC Based HVDC Transmission System: Issues and Potential Recommendations. <i>IEEE Access</i> , 2018, 6, 78352-78369.	2.6	57
61	Artificial Intelligent Based Damping Controller Optimization for the Multi-Machine Power System: A Review. <i>IEEE Access</i> , 2018, 6, 39574-39594.	2.6	57
62	PSCAD/EMTDC Simulation of Unified Series-Shunt Compensator for Power Quality Improvement. <i>IEEE Transactions on Power Delivery</i> , 2005, 20, 1650-1656.	2.9	56
63	Optimal BP neural network algorithm for state of charge estimation of lithium-ion battery using PSO with PCA feature selection. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	0.8	56
64	Review of baseline studies on energy policies and indicators in Malaysia for future sustainable energy development. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 551-564.	8.2	56
65	Deep learning approach towards accurate state of charge estimation for lithium-ion batteries using self-supervised transformer model. <i>Scientific Reports</i> , 2021, 11, 19541.	1.6	56
66	Analysis and Optimization of Spiral Circular Inductive Coupling Link for Bio-Implanted Applications on Air and within Human Tissue. <i>Sensors</i> , 2014, 14, 11522-11541.	2.1	55
67	Review of Electric Vehicle Converter Configurations, Control Schemes and Optimizations: Challenges and Suggestions. <i>Electronics (Switzerland)</i> , 2021, 10, 477.	1.8	54
68	An automated solid waste bin level detection system using a gray level aura matrix. <i>Waste Management</i> , 2012, 32, 2229-2238.	3.7	52
69	An application of backtracking search algorithm in designing power system stabilizers for large multi-machine system. <i>Neurocomputing</i> , 2017, 237, 175-184.	3.5	50
70	Binary Particle Swarm Optimization for Scheduling MG Integrated Virtual Power Plant Toward Energy Saving. <i>IEEE Access</i> , 2019, 7, 107937-107951.	2.6	50
71	An Electronic Nose for Reliable Measurement and Correct Classification of Beverages. <i>Sensors</i> , 2011, 11, 6435-6453.	2.1	47
72	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation. <i>IEEE Sensors Journal</i> , 2015, 15, 561-567.	2.4	46

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73	A Random Forest Regression Based Space Vector PWM Inverter Controller for the Induction Motor Drive. IEEE Transactions on Industrial Electronics, 2017, 64, 2689-2699.	5.2	46
74	An Automatic Traffic Sign Detection and Recognition System Based on Colour Segmentation, Shape Matching, and SVM. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	45
75	Artificial Neural Network Based Particle Swarm Optimization for Microgrid Optimal Energy Scheduling. IEEE Transactions on Power Electronics, 2021, 36, 12151-12157.	5.4	45
76	Solid waste monitoring and management using RFID, GIS and GSM. , 2009, , .		44
77	State of Charge Estimation in Lithium-Ion Batteries: A Neural Network Optimization Approach. Electronics (Switzerland), 2020, 9, 1546.	1.8	43
78	Engineering and Horticultural Aspects of Robotic Fruit Harvesting: Opportunities and Constraints. HortTechnology, 2005, 15, 79-87.	0.5	43
79	Voltage equalization control algorithm for monitoring and balancing of series connected lithium-ion battery. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	42
80	Vehicle to grid connected technologies and charging strategies: Operation, control, issues and recommendations. Journal of Cleaner Production, 2022, 339, 130587.	4.6	42
81	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. IEEE Access, 2018, 6, 47489-47510.	2.6	38
82	A Review on Thermophotovoltaic Cell and Its Applications in Energy Conversion: Issues and Recommendations. Materials, 2021, 14, 4944.	1.3	37
83	An automated solid waste bin level detection system using Gabor wavelet filters and multi-layer perception. Resources, Conservation and Recycling, 2013, 72, 33-42.	5.3	36
84	Techno-Economic Analysis and Environmental Impact of Electric Vehicle. IEEE Access, 2019, 7, 98565-98578.	2.6	36
85	The value of thermal management control strategies for battery energy storage in grid decarbonization: Issues and recommendations. Journal of Cleaner Production, 2020, 276, 124223.	4.6	35
86	Optimal algorithms for the charge equalisation controller of series connected lithium-ion battery cells in electric vehicle applications. IET Electrical Systems in Transportation, 2017, 7, 267-277.	1.5	34
87	Artificial Intelligence Based Hybrid Forecasting Approaches for Wind Power Generation: Progress, Challenges and Prospects. IEEE Access, 2021, 9, 102460-102489.	2.6	34
88	An analysis of harmonics from LED lamps. , 2012, , .		32
89	Quantum-Behaved Lightning Search Algorithm to Improve Indirect Field-Oriented Fuzzy-PI Control for IM Drive. IEEE Transactions on Industry Applications, 2018, 54, 3793-3805.	3.3	32
90	Particle swarm optimised fuzzy controller for charging&quot;discharging and scheduling of battery energy storage system in MG applications. Energy Reports, 2020, 6, 215-228.	2.5	32

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91	Coloration of polyester fiber with natural dye henna ( <i>Lawsonia inermis</i> L.) without using mordant: a new approach towards a cleaner production. <i>Fashion and Textiles</i> , 2018, 5, .	1.3	31
92	An Improved Fuzzy Logic Controller Design for PV Inverters Utilizing Differential Search Optimization. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-14.	1.4	30
93	A Novel Quantum-Behaved Lightning Search Algorithm Approach to Improve the Fuzzy Logic Speed Controller for an Induction Motor Drive. <i>Energies</i> , 2015, 8, 13112-13136.	1.6	30
94	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. <i>Energies</i> , 2017, 10, 1390.	1.6	30
95	Microgrid control methods toward achieving sustainable energy management: A bibliometric analysis for future directions. <i>Journal of Cleaner Production</i> , 2022, 348, 131340.	4.6	30
96	Content-based image retrieval system for solid waste bin level detection and performance evaluation. <i>Waste Management</i> , 2016, 50, 10-19.	3.7	29
97	Intelligent Controllers and Optimization Algorithms for Building Energy Management Towards Achieving Sustainable Development: Challenges and Prospects. <i>IEEE Access</i> , 2021, 9, 41577-41602.	2.6	29
98	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.	2.6	28
99	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.	3.3	28
100	Energy storage integration towards achieving grid decarbonization: A bibliometric analysis and future directions. <i>Journal of Energy Storage</i> , 2021, 41, 102855.	3.9	28
101	Solid waste monitoring system integration based on RFID, GPS and camera. , 2010, , .		27
102	Wireless Sensor Network Prototype for Solid Waste Bin Monitoring with Energy Efficient Sensing Algorithm. , 2013, , .		27
103	Applications of Photonics in Agriculture Sector: A Review. <i>Molecules</i> , 2019, 24, 2025.	1.7	27
104	Backtracking Search Algorithm Based Fuzzy Charging-Discharging Controller for Battery Storage System in Microgrid Applications. <i>IEEE Access</i> , 2019, 7, 159357-159368.	2.6	27
105	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. <i>Nature Communications</i> , 2020, 11, 3792.	5.8	27
106	Energy Management Scheduling for Microgrids in the Virtual Power Plant System Using Artificial Neural Networks. <i>Energies</i> , 2021, 14, 6507.	1.6	27
107	Grid-connected lithium-ion battery energy storage system: A bibliometric analysis for emerging future directions. <i>Journal of Cleaner Production</i> , 2022, 334, 130272.	4.6	27
108	Intelligent computer vision system for segregating recyclable waste papers. <i>Expert Systems With Applications</i> , 2011, 38, 10398-10407.	4.4	26



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109	Improved recurrent NARX neural network model for state of charge estimation of lithium-ion battery using pso algorithm. , 2018, , .		26
110	Impact assessment of battery energy storage systems towards achieving sustainable development goals. Journal of Energy Storage, 2021, 42, 103040.	3.9	26
111	A review of controllers and optimizations based scheduling operation for battery energy storage system towards decarbonization in microgrid: Challenges and future directions. Journal of Cleaner Production, 2022, 360, 132188.	4.6	26
112	Overview for solid waste bin monitoring and collection system. , 2012, , .		25
113	An analysis of harmonics from dimmable LED lamps. , 2012, , .		25
114	Real time solid waste bin monitoring system framework using wireless sensor network. , 2014, , .		23
115	Charging and discharging model of lithium-ion battery for charge equalization control using particle swarm optimization algorithm. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	23
116	Real-Time State of Charge Estimation of Lithium-Ion Batteries Using Optimized Random Forest Regression Algorithm. IEEE Transactions on Intelligent Vehicles, 2023, 8, 639-648.	9.4	23
117	Maximum power point tracking in grid connected PV system using a novel fuzzy logic controller. , 2009, , .		22
118	Fuzzy-Based Charging&#x2014;Discharging Controller for Lithium-Ion Battery in Microgrid Applications. IEEE Transactions on Industry Applications, 2021, 57, 4187-4195.	3.3	22
119	Techno-Economic Analysis and Environmental Impact of Electric Buses. World Electric Vehicle Journal, 2021, 12, 31.	1.6	21
120	Dynamic Modeling of HVDC for Power System Stability Assessment: A Review, Issues, and Recommendations. Energies, 2021, 14, 4829.	1.6	21
121	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. PLoS ONE, 2020, 15, e0243581.	1.1	21
122	LEDs as energy efficient lighting systems: A detail review. , 2011, , .		20
123	Optimal CC-CV charging of lithium-ion battery for charge equalization controller. , 2016, , .		20
124	Optimal PI controller based PSO optimization for PV inverter using SPWM techniques. Energy Reports, 2022, 8, 1003-1011.	2.5	20
125	Energy management system of microgrid: Control schemes, pricing techniques, and future horizons. International Journal of Energy Research, 2021, 45, 12728-12739.	2.2	19
126	A Robust Vision-based Lane Boundaries Detection Approach for Intelligent Vehicles. Information Technology Journal, 2012, 11, 1184-1192.	0.3	19



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127	Inter-Vehicle Wireless Communications Technologies, Issues and Challenges. Information Technology Journal, 2013, 12, 558-568.	0.3	19
128	Power quality analysis of STATCOM using dynamic phasor modeling. Electric Power Systems Research, 2009, 79, 993-999.	2.1	18
129	Simulation model linked PV inverter implementation utilizing dSPACE DS1104 controller. Energy and Buildings, 2013, 57, 65-73.	3.1	18
130	Developmental dysplasia of the hip: usefulness of next generation genomic tools for characterizing the underlying genes – a mini review. Clinical Genetics, 2016, 90, 16-20.	1.0	18
131	A Quantum Lightning Search Algorithm-Based Fuzzy Speed Controller for Induction Motor Drive. IEEE Access, 2018, 6, 1214-1223.	2.6	18
132	Development of an embedded vehicle safety system for frontal crash detection. International Journal of Crashworthiness, 2008, 13, 579-587.	1.1	17
133	Heuristic optimization of state-of-charge feedback controller parameters for output power dispatch of hybrid photovoltaic/battery energy storage system. Measurement: Journal of the International Measurement Confederation, 2014, 49, 15-25.	2.5	17
134	Changes of plasma concentrations of insulin-like peptide 3 and testosterone, and their association with scrotal circumference during pubertal development in male goats. Theriogenology, 2017, 92, 51-56.	0.9	17
135	Plasma IGF-I, INSL3, testosterone, inhibin concentrations and scrotal circumferences surrounding puberty in Japanese Black beef bulls with normal and abnormal semen. Theriogenology, 2018, 114, 54-62.	0.9	17
136	Survey on Inter-Vehicle Communication Applications: Current Trends and Challenges. Information Technology Journal, 2013, 12, 243-250.	0.3	17
137	Optimal Algorithms for Energy Storage Systems in Microgrid Applications: An Analytical Evaluation Towards Future Directions. IEEE Access, 2022, 10, 10105-10123.	2.6	17
138	Current and Future Communication Solutions for Smart Grids: A Review. IEEE Access, 2022, 10, 43639-43668.	2.6	17
139	Dynamic modeling and simulation of Solid Oxide Fuel Cell system. , 2008, , .		16
140	Automatic Frequency Controller for Power Amplifiers Used in Bio-Implanted Applications: Issues and Challenges. Sensors, 2014, 14, 23843-23870.	2.1	16
141	Development of the Unified Series-Shunt Compensator for Power Quality Mitigation. American Journal of Applied Sciences, 2009, 6, 978-986.	0.1	16
142	System Interface for an Integrated Intelligent Safety System (ISS) for Vehicle Applications. Sensors, 2010, 10, 1141-1153.	2.1	15
143	A filter less improved control scheme for active/reactive energy management in fuel cell integrated grid system with harmonic reduction ability. Applied Energy, 2022, 312, 118784.	5.1	15
144	Performance evaluation of grid-connected photovoltaic system with battery energy storage. , 2012, , .		14

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145	DESIGN OF SPIRAL CIRCULAR COILS IN WET AND DRY TISSUE FOR BIO-IMPLANTED MICRO-SYSTEM APPLICATIONS. Progress in Electromagnetics Research M, 2013, 32, 181-200.	0.5	14
146	A Fuzzy-Rule-Based PV Inverter Controller to Enhance the Quality of Solar Power Supply: Experimental Test and Validation. Electronics (Switzerland), 2019, 8, 1335.	1.8	14
147	Data-driven hybrid approaches for renewable power prediction toward grid decarbonization: Applications, issues and suggestions. Journal of Cleaner Production, 2021, 328, 129476.	4.6	13
148	Performance evaluation of solid state fault current limiters in electric distribution system. , 0, , .		12
149	UKM campus bus identification and monitoring using RFID and GIS. , 2009, , .		12
150	An Optimal Control Strategy for DC Bus Voltage Regulation in Photovoltaic System with Battery Energy Storage. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	12
151	Effects of long-acting GnRH antagonist, degarelix acetate, on plasma insulin-like peptide 3, testosterone and luteinizing hormone concentrations, and scrotal circumference in male goats. Theriogenology, 2017, 88, 228-235.	0.9	12
152	State-of-Charge Estimation of Li-ion Battery in Electric Vehicles: A Deep Neural Network Approach. , 2019, , .		12
153	Fabrication and characterization of Cd-enriched CdTe thin films by close spaced sublimation. Journal of Coatings Technology Research, 2009, 6, 251-256.	1.2	11
154	Hardware implementation of fuzzy logic based maximum power point tracking controller for PV systems. , 2010, , .		11
155	Sensing Systems and Algorithms for Airbag Deployment Decision. IEEE Sensors Journal, 2011, 11, 888-890.	2.4	11
156	An Optimal State of Charge Feedback Control Strategy for Battery Energy Storage in Hourly Dispatch of PV Sources. Procedia Technology, 2013, 11, 24-31.	1.1	11
157	Real-time testing of a fuzzy logic controller based grid-connected photovoltaic inverter system. , 2014, , .		11
158	Fetal gender prediction based on maternal plasma testosterone and insulin-like peptide 3 concentrations at midgestation and late gestation in cattle. Theriogenology, 2016, 86, 1764-1773.	0.9	11
159	Performance of Ge and In <sub>0.53</sub> Ga <sub>0.47</sub> as Thermophotovoltaic Cells under Different Spectral Irradiances. IEEE Access, 2021, 9, 37091-37102.	2.6	11
160	Shape Matching and Color Segmentation Based Traffic Sign Detection System. Przegląd Elektrotechniczny, 2015, 1, 38-42.	0.1	11
161	Transient Analysis of FACTS and Custom Power Devices Using Phasor Dynamics. Journal of Applied Sciences, 2006, 6, 1074-1081.	0.1	11
162	SOC Estimation Using Deep Bidirectional Gated Recurrent Units With Tree Parzen Estimator Hyperparameter Optimization. IEEE Transactions on Industry Applications, 2022, 58, 6629-6638.	3.3	11

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163	Nonequilibrium Green's function method for a quantum Hall device in a magnetic field. <i>Physical Review B</i> , 2003, 67, .	1.1	10
164	Modern power systems transients studies using dynamic phasor models. , 0, , .		10
165	Voltage equalization for series connected lithium-ion battery cells. , 2015, , .		10
166	Solid State Switching Control Methods: A Bibliometric Analysis for Future Directions. <i>Electronics (Switzerland)</i> , 2021, 10, 1944.	1.8	10
167	Optimization algorithms for energy storage integrated microgrid performance enhancement. <i>Journal of Energy Storage</i> , 2021, 43, 103182.	3.9	10
168	EFFICIENT DATA AND POWER TRANSFER FOR BIO-IMPLANTED DEVICES BASED ON ASK MODULATION TECHNIQUES. <i>Journal of Mechanics in Medicine and Biology</i> , 2012, 12, 1240030.	0.3	9
169	Appearance-based methods in re-identification: A brief review. , 2012, , .		9
170	Efficient Class-E design for inductive powering wireless biotelemetry applications. , 2012, , .		9
171	Human gait state classification using artificial neural network. , 2014, , .		9
172	PSO algorithm for Three Phase Induction Motor drive with SVPWM Switching and V/f Control. , 2014, , .		9
173	Inductive coupling links for lowest misalignment effects in transcutaneous implanted devices. <i>Biomedizinische Technik</i> , 2014, 59, 257-68.	0.9	9
174	Lithium-ion Battery State of Charge Estimation Method Using Optimized Deep Recurrent Neural Network Algorithm. , 2019, , .		9
175	Review on Solid-State Transfer Switch Configurations and Control Methods: Applications, Operations, Issues, and Future Directions. <i>IEEE Access</i> , 2020, 8, 182490-182505.	2.6	9
176	Review of Solid State Transfer Switch on Requirements, Standards, Topologies, Control, and Switching Mechanisms: Issues and Challenges. <i>Electronics (Switzerland)</i> , 2020, 9, 1396.	1.8	9
177	A Simulation Model of Solid-state Transfer Switch for Protection in Distribution Systems. <i>Journal of Applied Sciences</i> , 2006, 6, 1993-1999.	0.1	9
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