Mahammad A Hannan

List of Publications by Year
in descending order

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	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
2	Optimal PI controller based PSO optimization for PV inverter using SPWM techniques. Energy Reports, 2022, 8, 1003-1011.	2.5	20
3	Grid-connected lithium-ion battery energy storage system: A bibliometric analysis for emerging future directions. Journal of Cleaner Production, 2022, 334, 130272.	4.6	27
4	Rule-Based Fuzzy Controller for Solid State Transfer Switch Towards Fast Sensitive Loads Transfer. IEEE Transactions on Industry Applications, 2022, 58, 1888-1898.	3.3	9
5	Optimal Algorithms for Energy Storage Systems in Microgrid Applications: An Analytical Evaluation Towards Future Directions. IEEE Access, 2022, 10, 10105-10123.	2.6	17
6	Vehicle to grid connected technologies and charging strategies: Operation, control, issues and recommendations. Journal of Cleaner Production, 2022, 339, 130587.	4.6	42
7	A Novel PSO Based Fuzzy Controller for Robust Operation of Solid-State Transfer Switch and Fast Load Transfer in Power Systems. IEEE Access, 2022, 10, 37369-37381.	2.6	3
8	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
9	Hydrogen energy storage integrated hybrid renewable energy systems: A review analysis for future research directions. International Journal of Hydrogen Energy, 2022, 47, 17285-17312.	3.8	168
10	Microgrid control methods toward achieving sustainable energy management: A bibliometric analysis for future directions. Journal of Cleaner Production, 2022, 348, 131340.	4.6	30
11	Current and Future Communication Solutions for Smart Grids: A Review. IEEE Access, 2022, 10, 43639-43668.	2.6	17
12	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
13	High-Frequency Ripple Injection Signals for the Effective Utilization of Residential EV Storage in Future Power Grids With Rooftop PV System. IEEE Transactions on Industry Applications, 2022, 58, 6655-6665.	3.3	5
14	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
15	IoT-based Distribution and Control System for Smart Home Applications. , 2022, , .		4
16	Solar photovoltaic energy optimization methods, challenges and issues: A comprehensive review. Journal of Cleaner Production, 2021, 284, 125465.	4.6	198
17	Thermal behavior of lithium€ion battery in microgrid application: Impact and management system. International Journal of Energy Research, 2021, 45, 4967-5005.	2.2	6
18	Utilization of Renewable Energy for Power Sector in Yemen: Current Status and Potential Capabilities. IEEE Access, 2021, 9, 79278-79292.	2.6	7

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19	ANN-Based Binary Backtracking Search Algorithm for VPP Optimal Scheduling and Cost-Effective Evaluation. IEEE Transactions on Industry Applications, 2021, 57, 5603-5613.	3.3	7
20	Artificial Intelligence Based Hybrid Forecasting Approaches for Wind Power Generation: Progress, Challenges and Prospects. IEEE Access, 2021, 9, 102460-102489.	2.6	34
21	Intelligent Controllers and Optimization Algorithms for Building Energy Management Towards Achieving Sustainable Development: Challenges and Prospects. IEEE Access, 2021, 9, 41577-41602.	2.6	29
22	Review of Electric Vehicle Converter Configurations, Control Schemes and Optimizations: Challenges and Suggestions. Electronics (Switzerland), 2021, 10, 477.	1.8	54
23	ANN based binary backtracking search algorithm for virtual power plant scheduling and cost-effective evaluation. , 2021, , .		1
24	Techno-Economic Analysis and Environmental Impact of Electric Buses. World Electric Vehicle Journal, 2021, 12, 31.	1.6	21
25	Battery storage systems integrated renewable energy sources: A biblio metric analysis towards future directions. Journal of Energy Storage, 2021, 35, 102296.	3.9	66
26	Optical Detection of Inhibitor in Transformer Oil at Silicon-Detectable Wavelength Using Variable Path Length Model. IEEE Sensors Journal, 2021, 21, 6035-6042.	2.4	4
27	Multi-dimensional optimization of In0.53Ga0.47As thermophotovoltaic cell using real coded genetic algorithm. Scientific Reports, 2021, 11, 7741.	1.6	6
28	Intelligent algorithms and control strategies for battery management system in electric vehicles: Progress, challenges and future outlook. Journal of Cleaner Production, 2021, 292, 126044.	4.6	151
29	Energy management system of microgrid: Control schemes, pricing techniques, and future horizons. International Journal of Energy Research, 2021, 45, 12728-12739.	2.2	19
30	Portable NIR Spectroscopy Measuring Device for Transformer Oil DBPC Inhibitor Analysis. IEEE Transactions on Industry Applications, 2021, 57, 2114-2119.	3.3	4
31	State-of-Charge Estimation of Li-ion Battery Using Gated Recurrent Unit With One-Cycle Learning Rate Policy. IEEE Transactions on Industry Applications, 2021, 57, 2964-2971.	3.3	28
32	Scheduling controller for microgrids energy management system using optimization algorithm in achieving cost saving and emission reduction. Applied Energy, 2021, 292, 116883.	5.1	63
33	Modelling of Home Appliances Using Fuzzy Controller in Achieving Energy Consumption and Cost Reduction. Elektronika Ir Elektrotechnika, 2021, 27, 15-25.	0.4	3
34	Fuzzy-Based Charging–Discharging Controller for Lithium-Ion Battery in Microgrid Applications. IEEE Transactions on Industry Applications, 2021, 57, 4187-4195.	3.3	22
35	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
36	Dynamic Modeling of HVDC for Power System Stability Assessment: A Review, Issues, and Recommendations. Energies, 2021, 14, 4829.	1.6	21

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37	Solid State Switching Control Methods: A Bibliometric Analysis for Future Directions. Electronics (Switzerland), 2021, 10, 1944.	1.8	10
38	A Review on Thermophotovoltaic Cell and Its Applications in Energy Conversion: Issues and Recommendations. Materials, 2021, 14, 4944.	1.3	37
39	Energy storage integration towards achieving grid decarbonization: A bibliometric analysis and future directions. Journal of Energy Storage, 2021, 41, 102855.	3.9	28
40	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
41	Deep learning approach towards accurate state of charge estimation for lithium-ion batteries using self-supervised transformer model. Scientific Reports, 2021, 11, 19541.	1.6	56
42	Impact assessment of battery energy storage systems towards achieving sustainable development goals. Journal of Energy Storage, 2021, 42, 103040.	3.9	26
43	Artificial Neural Network Based Particle Swarm Optimization for Microgrid Optimal Energy Scheduling. IEEE Transactions on Power Electronics, 2021, 36, 12151-12157.	5.4	45
44	Optimization algorithms for energy storage integrated microgrid performance enhancement. Journal of Energy Storage, 2021, 43, 103182.	3.9	10
45	Impact of renewable energy utilization and artificial intelligence in achieving sustainable development goals. Energy Reports, 2021, 7, 5359-5373.	2.5	62
46	Performance of Ge and In$_{0.53}$Ga$_{0.47}$ as Thermophotovoltaic Cells under Different Spectral Irradiances. IEEE Access, 2021, 9, 37091-37102.	2.6	11
47	Energy Management Scheduling for Microgrids in the Virtual Power Plant System Using Artificial Neural Networks. Energies, 2021, 14, 6507.	1.6	27
48	The Amber-Colored Liquid: A Review on the Color Standards, Methods of Detection, Issues and Recommendations. Sensors, 2021, 21, 6866.	2.1	6
49	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
50	Color Index of Transformer Oil: A Low-Cost Measurement Approach Using Ultraviolet-Blue Laser. Sensors, 2021, 21, 7292.	2.1	3
51	Artificial Neural Networks Based Optimization Techniques: A Review. Electronics (Switzerland), 2021, 10, 2689.	1.8	139
52	SOC Estimation using Deep Bidirectional Gated Recurrent Units with Tree Parzen Estimator Hyperparameter Optimization. , 2021, , .		1
53	Rule-based fuzzy controller for solid state transfer switch towards fast sensitive loads transfer. , 2021, , .		1
54	Fuzzy based BSA optimization for maximum power point tracking controller performance evaluation. , 2021, , .		1

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55	Characterization and Optimization of Lattice-Matched InGaAs TPV Cell for Waste Heat Harvesting. , 2021, , .		1
56	Differential Search Optimized Random Forest Regression Algorithm for State of Charge Estimation in Electric Vehicle Batteries. , 2021, , .		3
57	Intelligent Temperature Controller for Energy Storage System in Electric Vehicle Applications. , 2021, , .		0
58	Uncertainty models for stochastic optimization in renewable energy applications. Renewable Energy, 2020, 145, 1543-1571.	4.3	245
59	Grid-connected renewable energy sources: Review of the recent integration requirements and control methods. Journal of Cleaner Production, 2020, 253, 119831.	4.6	218
60	Implementation of DSP-based optimal fuzzy logic speed controller for IM drive using quantum lightning search algorithm. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107372.	2.5	5
61	State of Charge Estimation in Lithium-Ion Batteries: A Neural Network Optimization Approach. Electronics (Switzerland), 2020, 9, 1546.	1.8	43
62	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
63	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
64	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. Nature Communications, 2020, 11, 3792.	5.8	27
65	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
66	Review on Solid-State Transfer Switch Configurations and Control Methods: Applications, Operations, Issues, and Future Directions. IEEE Access, 2020, 8, 182490-182505.	2.6	9
67	Review of Solid State Transfer Switch on Requirements, Standards, Topologies, Control, and Switching Mechanisms: Issues and Challenges. Electronics (Switzerland), 2020, 9, 1396.	1.8	9
68	Fuzzy Based Particle Swarm Optimization for Modeling Home Appliances Towards Energy Saving and Cost Reduction Under Demand Response Consideration. IEEE Access, 2020, 8, 210784-210799.	2.6	28
69	Particle swarm optimised fuzzy controller for charging–discharging and scheduling of battery energy storage system in MG applications. Energy Reports, 2020, 6, 215-228.	2.5	32
70	State-of-Charge Estimation of Li-Ion Battery in Electric Vehicles: A Deep Neural Network Approach. IEEE Transactions on Industry Applications, 2020, 56, 5565-5574.	3.3	148
71	Toward Enhanced State of Charge Estimation of Lithium-ion Batteries Using Optimized Machine Learning Techniques. Scientific Reports, 2020, 10, 4687.	1.6	137
72	Review of optimal methods and algorithms for sizing energy storage systems to achieve decarbonization in microgrid applications. Renewable and Sustainable Energy Reviews, 2020, 131, 110022.	8.2	130

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73	Power Quality in Microgrids Including Supraharmonics: Issues, Standards, and Mitigations. IEEE Access, 2020, 8, 127104-127122.	2.6	95
74	Optimized controller for renewable energy sources integration into microgrid: Functions, constraints and suggestions. Journal of Cleaner Production, 2020, 256, 120419.	4.6	62
75	Power Quality Assessment of Grid-Connected PV System in Compliance with the Recent Integration Requirements. Electronics (Switzerland), 2020, 9, 366.	1.8	77
76	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
77	Data-driven state of charge estimation of lithium-ion batteries: Algorithms, implementation factors, limitations and future trends. Journal of Cleaner Production, 2020, 277, 124110.	4.6	147
78	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. PLoS ONE, 2020, 15, e0243581.	1.1	21
79	Inhibitory effects of long-term repeated treatments of a sustainable GnRH antagonist, degarelix acetate, on caprine testicular functions. Journal of Reproduction and Development, 2020, 66, 587-592.	0.5	2
80	Real Time Implementation of Fuzzy Based Charging-Discharging Controller for Lithium-ion Battery in Microgrid Applications. , 2020, , .		1
81	Portable Device for Transformer Oil Inhibitor Content Analysis Using Near-Infrared Spectroscopy Wavelength. , 2020, , .		2
82	State-of-Charge Estimation of Li-ion Battery at Variable Ambient Temperature with Gated Recurrent Unit Network. , 2020, , .		9
83	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. , 2020, 15, e0243581.		0
84	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. , 2020, 15, e0243581.		0
85	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. , 2020, 15, e0243581.		0
86	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. , 2020, 15, e0243581.		0
87	Binary Particle Swarm Optimization for Scheduling MG Integrated Virtual Power Plant Toward Energy Saving. IEEE Access, 2019, 7, 107937-107951.	2.6	50
88	Applications of Photonics in Agriculture Sector: A Review. Molecules, 2019, 24, 2025.	1.7	27
89	Techno-Economic Analysis and Environmental Impact of Electric Vehicle. IEEE Access, 2019, 7, 98565-98578.	2.6	36
90	Review on Scheduling, Clustering, and Forecasting Strategies for Controlling Electric Vehicle Charging: Challenges and Recommendations. IEEE Access, 2019, 7, 128353-128371.	2.6	158

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91	Adaptive Neuro-Fuzzy Controller for Grid Voltage Dip Compensations of Grid Connected DFIG-WECS. , 2019, , .		5
92	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
93	Vision-Based Traffic Sign Detection and Recognition Systems: Current Trends and Challenges. Sensors, 2019, 19, 2093.	2.1	98
94	Power electronics contribution to renewable energy conversion addressing emission reduction: Applications, issues, and recommendations. Applied Energy, 2019, 251, 113404.	5.1	109
95	Extreme Learning Machine Model for State-of-Charge Estimation of Lithium-Ion Battery Using Gravitational Search Algorithm. IEEE Transactions on Industry Applications, 2019, 55, 4225-4234.	3.3	126
96	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. IEEE Access, 2019, 7, 24934-24955.	2.6	85
97	Microgrid control methods toward achieving sustainable energy management. Applied Energy, 2019, 240, 583-607.	5.1	93
98	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
99	Lithium-ion Battery State of Charge Estimation Method Using Optimized Deep Recurrent Neural Network Algorithm. , 2019, , .		9
100	Lithium Ion Battery Thermal Management System Using Optimized Fuzzy Controller. , 2019, , .		6
101	Backtracking Search Algorithm Based Fuzzy Charging-Discharging Controller for Battery Storage System in Microgrid Applications. IEEE Access, 2019, 7, 159357-159368.	2.6	27
102	State-of-Charge Estimation of Li-ion Battery in Electric Vehicles: A Deep Neural Network Approach. , 2019, , .		12
103	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
104	Coloration of polyester fiber with natural dye henna (Lawsonia inermis L.) without using mordant: a new approach towards a cleaner production. Fashion and Textiles, 2018, 5, .	1.3	31
105	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
106	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
107	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
108	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

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110	Capacitated vehicle-routing problem model for scheduled solid waste collection and route optimization using PSO algorithm. Waste Management, 2018, 71, 31-41.	3.7	160
111	A Quantum Lightning Search Algorithm-Based Fuzzy Speed Controller for Induction Motor Drive. IEEE Access, 2018, 6, 1214-1223.	2.6	18
112	Air Conditioning for Smart Home Energy Management System. International Journal of Engineering and Technology(UAE), 2018, 7, 487.	0.2	0
113	Charging and Discharging Control of Li-Ion Battery Energy Management for Electric Vehicle Application. International Journal of Engineering and Technology(UAE), 2018, 7, 482.	0.2	3
114	State of Charge Estimation for Lithium-ion Battery Based on Random Forests Technique with Gravitational Search Algorithm. , 2018, , .		3
115	Advanced Control Strategies of VSC Based HVDC Transmission System: Issues and Potential Recommendations. IEEE Access, 2018, 6, 78352-78369.	2.6	57
116	Extreme Learning Machine for SOC Estimation of Lithium-ion battery Using Gravitational Search Algorithm. , 2018, , .		4
117	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
118	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. IEEE Access, 2018, 6, 47489-47510.	2.6	38
119	An Intelligent Maximum Power Point Tracking Algorithm for Photovoltaic System. International Journal of Engineering and Technology(UAE), 2018, 7, 457.	0.2	0
120	State of Charge Estimation for Lithium-Ion Battery Using Recurrent NARX Neural Network Model Based Lighting Search Algorithm. IEEE Access, 2018, 6, 28150-28161.	2.6	124
121	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. IEEE Access, 2018, 6, 38997-39014.	2.6	177
122	Review of baseline studies on energy policies and indicators in Malaysia for future sustainable energy development. Renewable and Sustainable Energy Reviews, 2018, 94, 551-564.	8.2	56
123	Improved recurrent NARX neural network model for state of charge estimation of lithium-ion battery using pso algorithm. , 2018, , .		26
124	Optimization of energy management system for fuel-cell hybrid electric vehicles: Issues and recommendations. Applied Energy, 2018, 228, 2061-2079.	5.1	262
125	Artificial Intelligent Based Damping Controller Optimization for the Multi-Machine Power System: A Review. IEEE Access, 2018, 6, 39574-39594.	2.6	57
126	Review of Energy Storage System Technologies in Microgrid Applications: Issues and Challenges. IEEE Access, 2018, 6, 35143-35164.	2.6	434

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127	Neural Network Based Prediction of Stable Equivalent Series Resistance in Voltage Regulator Characterization. Bulletin of Electrical Engineering and Informatics, 2018, 7, 134-142.	0.6	5
128	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
129	Lithium-Ion Battery Charge Equalization Algorithm for Electric Vehicle Applications. IEEE Transactions on Industry Applications, 2017, 53, 2541-2549.	3.3	134
130	Backtracking search algorithm in CVRP models for efficient solid waste collection and route optimization. Waste Management, 2017, 61, 117-128.	3.7	119
131	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
132	Review of energy storage systems for electric vehicle applications: Issues and challenges. Renewable and Sustainable Energy Reviews, 2017, 69, 771-789.	8.2	660
133	Battery charge equalization controller in electric vehicle applications: A review. Renewable and Sustainable Energy Reviews, 2017, 75, 1363-1385.	8.2	183
134	An optimal scheduling controller for virtual power plant and microgrid integration using binary backtracking search algorithm. , 2017, , .		6
135	An application of backtracking search algorithm in designing power system stabilizers for large multi-machine system. Neurocomputing, 2017, 237, 175-184.	3.5	50
136	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
137	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
138	Optimal BP neural network algorithm for state of charge estimation of lithium-ion battery using PSO with PCA feature selection. Journal of Renewable and Sustainable Energy, 2017, 9, .	0.8	56
139	Quantum-behaved lightning search algorithm to improve indirect field-oriented fuzzy-PI control for IM drive. , 2017, , .		3
140	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
141	Optimal neural network approach for estimating state of energy of lithium-ion battery using heuristic optimization techniques. , 2017, , .		5
142	Low spikes and low harmonic distortion multilevel inverter for induction motor implementation. , 2017, , .		1
143	Integrated smart neighborhood framework and application to sustain an innovative digital economy in the 4IR and big data era. , 2017, , .		4
144	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. Energies, 2017, 10, 1390.	1.6	30

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146	Lifetime measure of dense and sparse topology sensor network in structural health monitoring. EAI Endorsed Transactions on Scalable Information Systems, 2017, 4, 152752.	0.8	3
147	AN IMPROVED MULTIDEVICE INTERLEAVED BOOST CONVERTER WITH NOVEL MULTIPLEX CONTROLLER FOR FUEL CELL. Jurnal Teknologi (Sciences and Engineering), 2016, 79, .	0.3	0
148	PSO OPTIMIZATION FOR SOLAR SYSTEM INVERTER CONTROLLER AND COMPARISON BETWEEN TWO CONTROLLER TECHNIQUES. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	2
149	IMPROVED INDIRECT FIELD-ORIENTED CONTROL OF INDUCTION MOTOR DRIVE BASED PSO ALGORITHM. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	5
150	Improved Power System Stability Using Backtracking Search Algorithm for Coordination Design of PSS and TCSC Damping Controller. PLoS ONE, 2016, 11, e0146277.	1.1	8
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152	Optimal CC-CV charging of lithium-ion battery for charge equalization controller. , 2016, , .		20
153	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
154	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
155	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
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157	Lithium-ion battery charge equalization algorithm for electric vehicle applications. , 2016, , .		6
158	Optimized speed controller for induction motor drive using quantum lightning search algorithm. , 2016, , .		2
159	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
160	Content-based image retrieval system for solid waste bin level detection and performance evaluation. Waste Management, 2016, 50, 10-19.	3.7	29
161	A novel coordinated control strategy considering power smoothing for a hybrid photovoltaic/battery energy storage system. Journal of Central South University, 2016, 23, 394-404.	1.2	5
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164	Backtracking search algorithm approach to improve indirect field-oriented control for induction motor drive. , 2015, , .		1
165	Voltage equalization for series connected lithium-ion battery cells. , 2015, , .		10
166	Particle swarm optimization modeling for solid waste collection problem with constraints. , 2015, , .		8
167	Automatic vehicle classification using fast neural network and classical neural network for traffic monitoring. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 2031-2042.	0.9	6
168	SOLID WASTE GENERATION AND COLLECTION EFFICIENCIES: ISSUES AND CHALLENGES. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	5
169	A Novel Quantum-Behaved Lightning Search Algorithm Approach to Improve the Fuzzy Logic Speed Controller for an Induction Motor Drive. Energies, 2015, 8, 13112-13136.	1.6	30
170	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
171	Test bench model and algorithms for multi-sources light electric vehicle energy management system. , 2015, , .		2
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173	DNA computer based algorithm for recyclable waste paper segregation. Applied Soft Computing Journal, 2015, 31, 223-240.	4.1	6
174	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
175	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
176	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation. IEEE Sensors Journal, 2015, 15, 561-567.	2.4	46
177	Building structural health monitoring using dense and sparse topology wireless sensor network. Smart Structures and Systems, 2015, 16, 607-621.	1.9	8
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