

Mahammad A Hannan

List of Publications by Year in Descending Order

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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.

268
papers

7,508
citations

42
h-index

80
g-index

296
ext. papers

10,802
ext. citations

4.6
avg, IF

6.85
L-index

#	Paper	IF	Citations
268	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
267	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
266	Vehicle to grid connected technologies and charging strategies: Operation, control, issues and recommendations. <i>Journal of Cleaner Production</i> , 2022 , 339, 130587	10.3	4
265	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
264	A Novel PSO based Fuzzy Controller for Robust Operation of Solid-State Transfer Switch and Fast Load Transfer in Power Systems. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
263	Real-time State of Charge Estimation of Lithium-ion Batteries Using Optimized Random Forest Regression Algorithm. <i>IEEE Transactions on Intelligent Vehicles</i> , 2022 , 1-1	5	2
262	A filter less improved control scheme for active/reactive energy management in fuel cell integrated grid system with harmonic reduction ability. <i>Applied Energy</i> , 2022 , 312, 118784	10.7	0
261	Hydrogen energy storage integrated hybrid renewable energy systems: A review analysis for future research directions. <i>International Journal of Hydrogen Energy</i> , 2022 ,	6.7	6
260	Microgrid control methods toward achieving sustainable energy management: A bibliometric analysis for future directions. <i>Journal of Cleaner Production</i> , 2022 , 348, 131340	10.3	2
259	Current and future communication solutions for smart grids: A review. <i>IEEE Access</i> , 2022 , 1-1	3.5	3
258	A review of controllers and optimizations based scheduling operation for battery energy storage system towards decarbonization in microgrid: Challenges and future directions. <i>Journal of Cleaner Production</i> , 2022 , 132188	10.3	4
257	Rule-based fuzzy controller for solid state transfer switch towards fast sensitive loads transfer 2021 ,		1
256	Color Index of Transformer Oil: A Low-Cost Measurement Approach Using Ultraviolet-Blue Laser. <i>Sensors</i> , 2021 , 21,	3.8	2
255	Artificial Neural Networks Based Optimization Techniques: A Review. <i>Electronics (Switzerland)</i> , 2021 , 10, 2689	2.6	25
254	Optimal PI controller based PSO optimization for PV inverter using SPWM techniques. <i>Energy Reports</i> , 2021 , 8, 1003-1003	4.6	3
253	Energy Management Scheduling for Microgrids in the Virtual Power Plant System Using Artificial Neural Networks. <i>Energies</i> , 2021 , 14, 6507	3.1	5
252	The Amber-Colored Liquid: A Review on the Color Standards, Methods of Detection, Issues and Recommendations. <i>Sensors</i> , 2021 , 21,	3.8	1

251	Data-driven hybrid approaches for renewable power prediction toward grid decarbonization: Applications, issues and suggestions. <i>Journal of Cleaner Production</i> , 2021 , 129476	10.3	4
250	Optical Detection of Inhibitor in Transformer Oil at Silicon-Detectable Wavelength Using Variable Path Length Model. <i>IEEE Sensors Journal</i> , 2021 , 21, 6035-6042	4	1
249	Multi-dimensional optimization of InGaAs thermophotovoltaic cell using real coded genetic algorithm. <i>Scientific Reports</i> , 2021 , 11, 7741	4.9	1
248	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	10.3	44
247	Energy management system of microgrid: Control schemes, pricing techniques, and future horizons. <i>International Journal of Energy Research</i> , 2021 , 45, 12728-12739	4.5	8
246	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
245	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
244	Scheduling controller for microgrids energy management system using optimization algorithm in achieving cost saving and emission reduction. <i>Applied Energy</i> , 2021 , 292, 116883	10.7	24
243	Modelling of Home Appliances Using Fuzzy Controller in Achieving Energy Consumption and Cost Reduction. <i>Elektronika Ir Elektrotechnika</i> , 2021 , 27, 15-25	1.7	2
242	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
241	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
240	Solar photovoltaic energy optimization methods, challenges and issues: A comprehensive review. <i>Journal of Cleaner Production</i> , 2021 , 284, 125465	10.3	51
239	Thermal behavior of lithium-ion battery in microgrid application: Impact and management system. <i>International Journal of Energy Research</i> , 2021 , 45, 4967-5005	4.5	2
238	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
237	. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	2
236	Artificial Intelligence Based Hybrid Forecasting Approaches for Wind Power Generation: Progress, Challenges and Prospects. <i>IEEE Access</i> , 2021 , 9, 102460-102489	3.5	11
235	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
234	Review of Electric Vehicle Converter Configurations, Control Schemes and Optimizations: Challenges and Suggestions. <i>Electronics (Switzerland)</i> , 2021 , 10, 477	2.6	13

233	ANN based binary backtracking search algorithm for virtual power plant scheduling and cost-effective evaluation 2021 ,		1
232	Techno-Economic Analysis and Environmental Impact of Electric Buses. <i>World Electric Vehicle Journal</i> , 2021 , 12, 31	2.5	8
231	Battery storage systems integrated renewable energy sources: A biblio metric analysis towards future directions. <i>Journal of Energy Storage</i> , 2021 , 35, 102296	7.8	28
230	Dynamic Modeling of HVDC for Power System Stability Assessment: A Review, Issues, and Recommendations. <i>Energies</i> , 2021 , 14, 4829	3.1	7
229	Solid State Switching Control Methods: A Bibliometric Analysis for Future Directions. <i>Electronics (Switzerland)</i> , 2021 , 10, 1944	2.6	2
228	A Review on Thermophotovoltaic Cell and Its Applications in Energy Conversion: Issues and Recommendations. <i>Materials</i> , 2021 , 14,	3.5	6
227	Energy storage integration towards achieving grid decarbonization: A bibliometric analysis and future directions. <i>Journal of Energy Storage</i> , 2021 , 41, 102855	7.8	13
226	Battery energy-storage system: A review of technologies, optimization objectives, constraints, approaches, and outstanding issues. <i>Journal of Energy Storage</i> , 2021 , 42, 103023	7.8	39
225	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	4.9	4
224	Impact assessment of battery energy storage systems towards achieving sustainable development goals. <i>Journal of Energy Storage</i> , 2021 , 42, 103040	7.8	7
223	Artificial Neural Network Based Particle Swarm Optimization for Microgrid Optimal Energy Scheduling. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 12151-12157	7.2	12
222	Optimization algorithms for energy storage integrated microgrid performance enhancement. <i>Journal of Energy Storage</i> , 2021 , 43, 103182	7.8	2
221	Impact of renewable energy utilization and artificial intelligence in achieving sustainable development goals. <i>Energy Reports</i> , 2021 , 7, 5359-5373	4.6	12
220	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
219	Particle swarm optimised fuzzy controller for charging and discharging and scheduling of battery energy storage system in MG applications. <i>Energy Reports</i> , 2020 , 6, 215-228	4.6	14
218	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
217	Toward Enhanced State of Charge Estimation of Lithium-ion Batteries Using Optimized Machine Learning Techniques. <i>Scientific Reports</i> , 2020 , 10, 4687	4.9	54
216	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

215	Power Quality in Microgrids Including Supraharmonics: Issues, Standards, and Mitigations. <i>IEEE Access</i> , 2020 , 8, 127104-127122	3.5	33
214	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
213	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
212	. <i>IEEE Access</i> , 2020 , 8, 19113-19132	3.5	78
211	Portable Device for Transformer Oil Inhibitor Content Analysis Using Near-Infrared Spectroscopy Wavelength 2020 ,		1
210	State-of-Charge Estimation of Li-ion Battery at Variable Ambient Temperature with Gated Recurrent Unit Network 2020 ,		2
209	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. <i>PLoS ONE</i> , 2020 , 15, e0243581	3.7	5
208	Inhibitory effects of long-term repeated treatments of a sustainable GnRH antagonist, degarelix acetate, on caprine testicular functions. <i>Journal of Reproduction and Development</i> , 2020 , 66, 587-592	2.1	1
207	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	10.3	39
206	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
205	Implementation of DSP-based optimal fuzzy logic speed controller for IM drive using quantum lightning search algorithm. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 153, 107372	4.6	2
204	State of Charge Estimation in Lithium-Ion Batteries: A Neural Network Optimization Approach. <i>Electronics (Switzerland)</i> , 2020 , 9, 1546	2.6	21
203	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
202	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
201	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. <i>Nature Communications</i> , 2020 , 11, 3792	17.4	11
200	Solid waste collection optimization objectives, constraints, modeling approaches, and their challenges toward achieving sustainable development goals. <i>Journal of Cleaner Production</i> , 2020 , 277, 123557	10.3	24
199	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
198	Review of Solid State Transfer Switch on Requirements, Standards, Topologies, Control, and Switching Mechanisms: Issues and Challenges. <i>Electronics (Switzerland)</i> , 2020 , 9, 1396	2.6	5

197	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
196	Uncertainty models for stochastic optimization in renewable energy applications. <i>Renewable Energy</i> , 2020 , 145, 1543-1571	8.1	105
195	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system 2020 , 15, e0243581		
194	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system 2020 , 15, e0243581		
193	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system 2020 , 15, e0243581		
192	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system 2020 , 15, e0243581		
191	Review on Scheduling, Clustering, and Forecasting Strategies for Controlling Electric Vehicle Charging: Challenges and Recommendations. <i>IEEE Access</i> , 2019 , 7, 128353-128371	3.5	59
190	Adaptive Neuro-Fuzzy Controller for Grid Voltage Dip Compensations of Grid Connected DFIG-WECS 2019 ,		1
189	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
188	Vision-Based Traffic Sign Detection and Recognition Systems: Current Trends and Challenges. <i>Sensors</i> , 2019 , 19,	3.8	38
187	Power electronics contribution to renewable energy conversion addressing emission reduction: Applications, issues, and recommendations. <i>Applied Energy</i> , 2019 , 251, 113404	10.7	55
186	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	4.3	59
185	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. <i>IEEE Access</i> , 2019 , 7, 24934-24955	3.5	46
184	Toward Optimum Topology Protocol in Health Monitoring. <i>EAI/Springer Innovations in Communication and Computing</i> , 2019 , 81-109	0.6	2
183	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
182	Applications of Photonics in Agriculture Sector: A Review. <i>Molecules</i> , 2019 , 24,	4.8	16
181	. <i>IEEE Access</i> , 2019 , 7, 98565-98578	3.5	15
180	Microgrid control methods toward achieving sustainable energy management. <i>Applied Energy</i> , 2019 , 240, 583-607	10.7	55

179	A Fuzzy-Rule-Based PV Inverter Controller to Enhance the Quality of Solar Power Supply: Experimental Test and Validation. <i>Electronics (Switzerland)</i> , 2019 , 8, 1335	2.6	7
178	2019 ,		3
177	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
176	State-of-Charge Estimation of Li-ion Battery in Electric Vehicles: A Deep Neural Network Approach 2019 ,		4
175	Quantum-Behaved Lightning Search Algorithm to Improve Indirect Field-Oriented Fuzzy-PI Control for IM Drive. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3793-3805	4.3	18
174	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,	2.8	18
173	Neural Network Approach for Estimating State of Charge of Lithium-Ion Battery Using Backtracking Search Algorithm. <i>IEEE Access</i> , 2018 , 6, 10069-10079	3.5	125
172	An Optimal Scheduling Controller for Virtual Power Plant and Microgrid Integration Using the Binary Backtracking Search Algorithm. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2834-2844	4.3	38
171	Plasma IGF-I, INSL3, testosterone, inhibin concentrations and scrotal circumferences surrounding puberty in Japanese Black beef bulls with normal and abnormal semen. <i>Theriogenology</i> , 2018 , 114, 54-62	2.8	10
170	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
169	Optimization techniques to enhance the performance of induction motor drives: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 1611-1626	16.2	68
168	Capacitated vehicle-routing problem model for scheduled solid waste collection and route optimization using PSO algorithm. <i>Waste Management</i> , 2018 , 71, 31-41	8.6	89
167	Improved recurrent NARX neural network model for state of charge estimation of lithium-ion battery using pso algorithm 2018 ,		9
166	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
165	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
164	Review of Energy Storage System Technologies in Microgrid Applications: Issues and Challenges. <i>IEEE Access</i> , 2018 , 6, 35143-35164	3.5	209
163	A Quantum Lightning Search Algorithm-Based Fuzzy Speed Controller for Induction Motor Drive. <i>IEEE Access</i> , 2018 , 6, 1214-1223	3.5	14
162	Charging and Discharging Control of Li-Ion Battery Energy Management for Electric Vehicle Application. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 482	0.8	1

161	2018,			2
160	Advanced Control Strategies of VSC Based HVDC Transmission System: Issues and Potential Recommendations. <i>IEEE Access</i> , 2018 , 6, 78352-78369	3.5		29
159	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
158	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. <i>IEEE Access</i> , 2018 , 6, 47489-47510	3.5		23
157	An Intelligent Maximum Power Point Tracking Algorithm for Photovoltaic System. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 457	0.8		
156	. <i>IEEE Access</i> , 2018 , 6, 28150-28161	3.5		68
155	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
154	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	16.2		38
153	Changes of plasma concentrations of insulin-like peptide 3 and testosterone, and their association with scrotal circumference during pubertal development in male goats. <i>Theriogenology</i> , 2017 , 92, 51-56	2.8		13
152	Lithium-Ion Battery Charge Equalization Algorithm for Electric Vehicle Applications. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 2541-2549	4.3		84
151	Backtracking search algorithm in CVRP models for efficient solid waste collection and route optimization. <i>Waste Management</i> , 2017 , 61, 117-128	8.6		70
150	A review of lithium-ion battery state of charge estimation and management system in electric vehicle applications: Challenges and recommendations. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 78, 834-854	16.2		767
149	Review of energy storage systems for electric vehicle applications: Issues and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 69, 771-789	16.2		430
148	Battery charge equalization controller in electric vehicle applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 75, 1363-1385	16.2		101
147	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. <i>Energies</i> , 2017 , 10, 1390	3.1		23
146	An optimal scheduling controller for virtual power plant and microgrid integration using binary backtracking search algorithm 2017 ,			3
145	An application of backtracking search algorithm in designing power system stabilizers for large multi-machine system. <i>Neurocomputing</i> , 2017 , 237, 175-184	5.4		40
144	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. <i>Theriogenology</i> , 2017 , 88, 228-235	2.8		10

143	A Random Forest Regression Based Space Vector PWM Inverter Controller for the Induction Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2689-2699	8.9	33
142	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, 064102	2.5	32
141	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. <i>IET Electrical Systems in Transportation</i> , 2017 , 7, 267-277	2.1	14
139	Optimal neural network approach for estimating state of energy of lithium-ion battery using heuristic optimization techniques 2017 ,		2
138	Low spikes and low harmonic distortion multilevel inverter for induction motor implementation 2017 ,		1
137	2017 ,		2
136	Model Development of Charge Equalization Controller for Lithium-Ion Battery. <i>Advanced Science Letters</i> , 2017 , 23, 5255-5259	0.1	6
135	Lifetime measure of dense and sparse topology sensor network in structural health monitoring. <i>EAI Endorsed Transactions on Scalable Information Systems</i> , 2017 , 4, 152752	1	3
134	Fuzzy logic speed controller optimization approach for induction motor drive using backtracking search algorithm. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 78, 49-62	4.6	57
133	Gravitational search algorithm based tuning of a PI speed controller for an induction motor drive. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 32, 012001	0.3	0
132	Lithium-ion battery charge equalization algorithm for electric vehicle applications 2016 ,		3
131	Optimized speed controller for induction motor drive using quantum lightning search algorithm 2016 ,		1
130	Theoretical model and implementation of a real time intelligent bin status monitoring system using rule based decision algorithms. <i>Expert Systems With Applications</i> , 2016 , 48, 76-88	7.8	56
129	Content-based image retrieval system for solid waste bin level detection and performance evaluation. <i>Waste Management</i> , 2016 , 50, 10-9	8.6	20
128	A novel coordinated control strategy considering power smoothing for a hybrid photovoltaic/battery energy storage system. <i>Journal of Central South University</i> , 2016 , 23, 394-404	2.1	1
127	Investigations optimum scheduling and TCP mechanism of hybrid topology sensor network in building SHM. <i>Optik</i> , 2016 , 127, 3218-3224	2.5	2
126	PSO OPTIMIZATION FOR SOLAR SYSTEM INVERTER CONTROLLER AND COMPARISON BETWEEN TWO CONTROLLER TECHNIQUES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	1

125	Improved Power System Stability Using Backtracking Search Algorithm for Coordination Design of PSS and TCSC Damping Controller. <i>PLoS ONE</i> , 2016 , 11, e0146277	3.7	6
124	Developmental dysplasia of the hip: usefulness of next generation genomic tools for characterizing the underlying genes - a mini review. <i>Clinical Genetics</i> , 2016 , 90, 16-20	4	12
123	Optimal CC-CV charging of lithium-ion battery for charge equalization controller 2016 ,		7
122	Charging and discharging model of lithium-ion battery for charge equalization control using particle swarm optimization algorithm. <i>Journal of Renewable and Sustainable Energy</i> , 2016 , 8, 065701	2.5	16
121	Voltage equalization control algorithm for monitoring and balancing of series connected lithium-ion battery. <i>Journal of Renewable and Sustainable Energy</i> , 2016 , 8, 025703	2.5	30
120	Fetal gender prediction based on maternal plasma testosterone and insulin-like peptide 3 concentrations at midgestation and late gestation in cattle. <i>Theriogenology</i> , 2016 , 86, 1764-73	2.8	8
119	A review on technologies and their usage in solid waste monitoring and management systems: Issues and challenges. <i>Waste Management</i> , 2015 , 43, 509-23	8.6	113
118	DNA computer based algorithm for recyclable waste paper segregation. <i>Applied Soft Computing Journal</i> , 2015 , 31, 223-240	7.5	2
117	Real-Time Testing of a Fuzzy-Logic-Controller-Based Grid-Connected Photovoltaic Inverter System. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 4775-4784	4.3	63
116	A review on energy management system for fuel cell hybrid electric vehicle: Issues and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 52, 802-814	16.2	243
115	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation. <i>IEEE Sensors Journal</i> , 2015 , 15, 561-567	4	25
114	Backtracking search algorithm approach to improve indirect field-oriented control for induction motor drive 2015 ,		1
113	Voltage equalization for series connected lithium-ion battery cells 2015 ,		7
112	Particle swarm optimization modeling for solid waste collection problem with constraints 2015 ,		5
111	Automatic vehicle classification using fast neural network and classical neural network for traffic monitoring. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2015 , 23, 2031-2042	0.9	6
110	SOLID WASTE GENERATION AND COLLECTION EFFICIENCIES: ISSUES AND CHALLENGES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 75,	1.2	2
109	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	3.1	26
108	An Automatic Traffic Sign Detection and Recognition System Based on Colour Segmentation, Shape Matching, and SVM. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	24

107	Test bench model and algorithms for multi-sources light electric vehicle energy management system 2015 ,		2
106	Building structural health monitoring using dense and sparse topology wireless sensor network. <i>Smart Structures and Systems</i> , 2015 , 16, 607-621		5
105	Shape Matching and Color Segmentation Based Traffic Sign Detection System. <i>Przegląd Elektrotechniczny</i> , 2015 , 1, 38-42	1.4	6
104	Solid waste bin detection and classification using Dynamic Time Warping and MLP classifier. <i>Waste Management</i> , 2014 , 34, 281-90	8.6	40
103	Heuristic optimization of state-of-charge feedback controller parameters for output power dispatch of hybrid photovoltaic/battery energy storage system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 49, 15-25	4.6	15
102	Real time solid waste bin monitoring system framework using wireless sensor network 2014 ,		12
101	Energy harvesting for the implantable biomedical devices: issues and challenges. <i>BioMedical Engineering OnLine</i> , 2014 , 13, 79	4.1	176
100	Feature extraction using Hough transform for solid waste bin level detection and classification. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 5381-91	3.1	4
99	An optimal control strategy for DC bus voltage regulation in photovoltaic system with battery energy storage. <i>Scientific World Journal, The</i> , 2014 , 2014, 271087	2.2	9
98	Comparative study of popular objective functions for damping power system oscillations in multimachine system. <i>Scientific World Journal, The</i> , 2014 , 2014, 549094	2.2	4
97	Human gait state classification using artificial neural network 2014 ,		6
96	DEVELOPMENT OF BIO-IMPLANTED MICRO-SYSTEM WITH SELF-RECOVERY ASK DEMODULATOR FOR TRANSCUTANEOUS APPLICATIONS. <i>Journal of Mechanics in Medicine and Biology</i> , 2014 , 14, 1450062	0.7	3
95	Analysis and optimization of spiral circular inductive coupling link for bio-implanted applications on air and within human tissue. <i>Sensors</i> , 2014 , 14, 11522-41	3.8	37
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