

# Mahammad A Hannan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1613348/mahammad-a-hannan-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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> , <b>2017</b> , 78, 834-854	16.2	767
267	Review of energy storage systems for electric vehicle applications: Issues and challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 69, 771-789	16.2	430
266	Hybrid electric vehicles and their challenges: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 29, 135-150	16.2	364
265	State-of-the-Art and Energy Management System of Lithium-Ion Batteries in Electric Vehicle Applications: Issues and Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 19362-19378	3.5	265
264	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> , <b>2018</b> , 205, 115-133	10.3	246
263	A review on energy management system for fuel cell hybrid electric vehicle: Issues and challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 52, 802-814	16.2	243
262	Review of Energy Storage System Technologies in Microgrid Applications: Issues and Challenges. <i>IEEE Access</i> , <b>2018</b> , 6, 35143-35164	3.5	209
261	Energy harvesting for the implantable biomedical devices: issues and challenges. <i>BioMedical Engineering OnLine</i> , <b>2014</b> , 13, 79	4.1	176
260	Optimization of energy management system for fuel-cell hybrid electric vehicles: Issues and recommendations. <i>Applied Energy</i> , <b>2018</b> , 228, 2061-2079	10.7	150
259	Neural Network Approach for Estimating State of Charge of Lithium-Ion Battery Using Backtracking Search Algorithm. <i>IEEE Access</i> , <b>2018</b> , 6, 10069-10079	3.5	125
258	State of Charge Estimation for Lithium-Ion Batteries Using Model-Based and Data-Driven Methods: A Review. <i>IEEE Access</i> , <b>2019</b> , 7, 136116-136136	3.5	123
257	A review on technologies and their usage in solid waste monitoring and management systems: Issues and challenges. <i>Waste Management</i> , <b>2015</b> , 43, 509-23	8.6	113
256	Uncertainty models for stochastic optimization in renewable energy applications. <i>Renewable Energy</i> , <b>2020</b> , 145, 1543-1571	8.1	105
255	Multi-sources model and control algorithm of an energy management system for light electric vehicles. <i>Energy Conversion and Management</i> , <b>2012</b> , 62, 123-130	10.6	102
254	Grid-connected renewable energy sources: Review of the recent integration requirements and control methods. <i>Journal of Cleaner Production</i> , <b>2020</b> , 253, 119831	10.3	102
253	Battery charge equalization controller in electric vehicle applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 75, 1363-1385	16.2	101
252	An improved control method of battery energy storage system for hourly dispatch of photovoltaic power sources. <i>Energy Conversion and Management</i> , <b>2013</b> , 73, 256-270	10.6	95

251	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 38997-39014	3.5	95
250	Capacitated vehicle-routing problem model for scheduled solid waste collection and route optimization using PSO algorithm. <i>Waste Management</i> , <b>2018</b> , 71, 31-41	8.6	89
249	Lithium-Ion Battery Charge Equalization Algorithm for Electric Vehicle Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 2541-2549	4.3	84
248	Radio Frequency Identification (RFID) and communication technologies for solid waste bin and truck monitoring system. <i>Waste Management</i> , <b>2011</b> , 31, 2406-13	8.6	84
247	Intelligent maximum power point tracking for PV system using Hopfield neural network optimized fuzzy logic controller. <i>Energy and Buildings</i> , <b>2012</b> , 51, 29-38	7	83
246	. <i>IEEE Access</i> , <b>2020</b> , 8, 19113-19132	3.5	78
245	Backtracking search algorithm in CVRP models for efficient solid waste collection and route optimization. <i>Waste Management</i> , <b>2017</b> , 61, 117-128	8.6	70
244	Optimization techniques to enhance the performance of induction motor drives: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 81, 1611-1626	16.2	68
243	. <i>IEEE Access</i> , <b>2018</b> , 6, 28150-28161	3.5	68
242	Real-Time Testing of a Fuzzy-Logic-Controller-Based Grid-Connected Photovoltaic Inverter System. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 4775-4784	4.3	63
241	Review on Scheduling, Clustering, and Forecasting Strategies for Controlling Electric Vehicle Charging: Challenges and Recommendations. <i>IEEE Access</i> , <b>2019</b> , 7, 128353-128371	3.5	59
240	Extreme Learning Machine Model for State-of-Charge Estimation of Lithium-Ion Battery Using Gravitational Search Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 4225-4234	4.3	59
239	Fuzzy logic speed controller optimization approach for induction motor drive using backtracking search algorithm. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 78, 49-62	4.6	57
238	Theoretical model and implementation of a real time intelligent bin status monitoring system using rule based decision algorithms. <i>Expert Systems With Applications</i> , <b>2016</b> , 48, 76-88	7.8	56
237	Power electronics contribution to renewable energy conversion addressing emission reduction: Applications, issues, and recommendations. <i>Applied Energy</i> , <b>2019</b> , 251, 113404	10.7	55
236	Microgrid control methods toward achieving sustainable energy management. <i>Applied Energy</i> , <b>2019</b> , 240, 583-607	10.7	55
235	Toward Enhanced State of Charge Estimation of Lithium-ion Batteries Using Optimized Machine Learning Techniques. <i>Scientific Reports</i> , <b>2020</b> , 10, 4687	4.9	54
234	Modulation techniques for biomedical implanted devices and their challenges. <i>Sensors</i> , <b>2012</b> , 12, 297-319	3.8	53

233	Integrated technologies for solid waste bin monitoring system. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 177, 399-408	3.1	53
232	Review of optimal methods and algorithms for sizing energy storage systems to achieve decarbonization in microgrid applications. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 131, 110022	16.2	52
231	Solid waste bin level detection using gray level co-occurrence matrix feature extraction approach. <i>Journal of Environmental Management</i> , <b>2012</b> , 104, 9-18	7.9	51
230	Solar photovoltaic energy optimization methods, challenges and issues: A comprehensive review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 284, 125465	10.3	51
229	An Enhanced Inverter Controller for PV Applications Using the dSPACE Platform. <i>International Journal of Photoenergy</i> , <b>2010</b> , 2010, 1-10	2.1	47
228	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. <i>IEEE Access</i> , <b>2019</b> , 7, 24934-24955	3.5	46
227	Intelligent algorithms and control strategies for battery management system in electric vehicles: Progress, challenges and future outlook. <i>Journal of Cleaner Production</i> , <b>2021</b> , 292, 126044	10.3	44
226	Solid waste bin detection and classification using Dynamic Time Warping and MLP classifier. <i>Waste Management</i> , <b>2014</b> , 34, 281-90	8.6	40
225	An application of backtracking search algorithm in designing power system stabilizers for large multi-machine system. <i>Neurocomputing</i> , <b>2017</b> , 237, 175-184	5.4	40
224	Data-driven state of charge estimation of lithium-ion batteries: Algorithms, implementation factors, limitations and future trends. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 124110	10.3	39
223	Battery energy-storage system: A review of technologies, optimization objectives, constraints, approaches, and outstanding issues. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103023	7.8	39
222	Vision-Based Traffic Sign Detection and Recognition Systems: Current Trends and Challenges. <i>Sensors</i> , <b>2019</b> , 19,	3.8	38
221	An Optimal Scheduling Controller for Virtual Power Plant and Microgrid Integration Using the Binary Backtracking Search Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2834-2844	4.3	38
220	Artificial Intelligent Based Damping Controller Optimization for the Multi-Machine Power System: A Review. <i>IEEE Access</i> , <b>2018</b> , 6, 39574-39594	3.5	38
219	Review of baseline studies on energy policies and indicators in Malaysia for future sustainable energy development. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 94, 551-564	16.2	38
218	Analysis and optimization of spiral circular inductive coupling link for bio-implanted applications on air and within human tissue. <i>Sensors</i> , <b>2014</b> , 14, 11522-41	3.8	37
217	Power Quality Assessment of Grid-Connected PV System in Compliance with the Recent Integration Requirements. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 366	2.6	36
216	An automated solid waste bin level detection system using a gray level aura matrix. <i>Waste Management</i> , <b>2012</b> , 32, 2229-38	8.6	36

215	An electronic nose for reliable measurement and correct classification of beverages. <i>Sensors</i> , <b>2011</b> , 11, 6435-53	3.8	36
214	State-of-Charge Estimation of Li-Ion Battery in Electric Vehicles: A Deep Neural Network Approach. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5565-5574	4.3	34
213	Power Quality in Microgrids Including Supraharmonics: Issues, Standards, and Mitigations. <i>IEEE Access</i> , <b>2020</b> , 8, 127104-127122	3.5	33
212	A Random Forest Regression Based Space Vector PWM Inverter Controller for the Induction Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 2689-2699	8.9	33
211	PSCAD/EMTDC simulation of unified series-shunt compensator for power quality improvement. <i>IEEE Transactions on Power Delivery</i> , <b>2005</b> , 20, 1650-1656	4.3	33
210	Optimized controller for renewable energy sources integration into microgrid: Functions, constraints and suggestions. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120419	10.3	32
209	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> , <b>2017</b> , 9, 064102	2.5	32
208	Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. <i>Sustainable Cities and Society</i> , <b>2020</b> , 62, 102393	10.1	31
207	Voltage equalization control algorithm for monitoring and balancing of series connected lithium-ion battery. <i>Journal of Renewable and Sustainable Energy</i> , <b>2016</b> , 8, 025703	2.5	30
206	Advanced Control Strategies of VSC Based HVDC Transmission System: Issues and Potential Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 78352-78369	3.5	29
205	Solid waste monitoring and management using RFID, GIS and GSM <b>2009</b> ,		28
204	Engineering and Horticultural Aspects of Robotic Fruit Harvesting: Opportunities and Constraints. <i>HortTechnology</i> , <b>2005</b> , 15, 79-87	1.3	28
203	Battery storage systems integrated renewable energy sources: A bibliometric analysis towards future directions. <i>Journal of Energy Storage</i> , <b>2021</b> , 35, 102296	7.8	28
202	A Novel Quantum-Behaved Lightning Search Algorithm Approach to Improve the Fuzzy Logic Speed Controller for an Induction Motor Drive. <i>Energies</i> , <b>2015</b> , 8, 13112-13136	3.1	26
201	SOC Estimation of Li-ion Batteries With Learning Rate-Optimized Deep Fully Convolutional Network. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 7349-7353	7.2	26
200	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 561-567	4	25
199	Artificial Neural Networks Based Optimization Techniques: A Review. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2689	2.6	25
198	An Automatic Traffic Sign Detection and Recognition System Based on Colour Segmentation, Shape Matching, and SVM. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-11	1.1	24

197	Solid waste collection optimization objectives, constraints, modeling approaches, and their challenges toward achieving sustainable development goals. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123557	10.3	24
196	Scheduling controller for microgrids energy management system using optimization algorithm in achieving cost saving and emission reduction. <i>Applied Energy</i> , <b>2021</b> , 292, 116883	10.7	24
195	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. <i>Energies</i> , <b>2017</b> , 10, 1390	3.1	23
194	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. <i>IEEE Access</i> , <b>2018</b> , 6, 47489-47510	3.5	23
193	Binary Particle Swarm Optimization for Scheduling MG Integrated Virtual Power Plant Toward Energy Saving. <i>IEEE Access</i> , <b>2019</b> , 7, 107937-107951	3.5	22
192	An Improved Fuzzy Logic Controller Design for PV Inverters Utilizing Differential Search Optimization. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-14	2.1	22
191	State of Charge Estimation in Lithium-Ion Batteries: A Neural Network Optimization Approach. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1546	2.6	21
190	Content-based image retrieval system for solid waste bin level detection and performance evaluation. <i>Waste Management</i> , <b>2016</b> , 50, 10-9	8.6	20
189	Quantum-Behaved Lightning Search Algorithm to Improve Indirect Field-Oriented Fuzzy-PI Control for IM Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3793-3805	4.3	18
188	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> , <b>2018</b> , 5,	2.8	18
187	An automated solid waste bin level detection system using Gabor wavelet filters and multi-layer perception. <i>Resources, Conservation and Recycling</i> , <b>2013</b> , 72, 33-42	11.9	18
186	An analysis of harmonics from LED lamps <b>2012</b> ,		18
185	Solid waste monitoring system integration based on RFID, GPS and camera <b>2010</b> ,		18
184	The value of thermal management control strategies for battery energy storage in grid decarbonization: Issues and recommendations. <i>Journal of Cleaner Production</i> , <b>2020</b> , 276, 124223	10.3	18
183	Overview for solid waste bin monitoring and collection system <b>2012</b> ,		17
182	Intelligent computer vision system for segregating recyclable waste papers. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 10398-10407	7.8	17
181	Applications of Photonics in Agriculture Sector: A Review. <i>Molecules</i> , <b>2019</b> , 24,	4.8	16
180	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> , <b>2016</b> , 8, 065701	2.5	16

179	. <i>IEEE Access</i> , <b>2019</b> , 7, 98565-98578	3.5	15
178	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> , <b>2014</b> , 49, 15-25	4.6	15
177	Wireless Sensor Network Prototype for Solid Waste Bin Monitoring with Energy Efficient Sensing Algorithm <b>2013</b> ,		15
176	Particle swarm optimised fuzzy controller for charging&discharging and scheduling of battery energy storage system in MG applications. <i>Energy Reports</i> , <b>2020</b> , 6, 215-228	4.6	14
175	Simulation model linked PV inverter implementation utilizing dSPACE DS1104 controller. <i>Energy and Buildings</i> , <b>2013</b> , 57, 65-73	7	14
174	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> , <b>2017</b> , 7, 267-277	2.1	14
173	An analysis of harmonics from dimmable LED lamps <b>2012</b> ,		14
172	Backtracking Search Algorithm Based Fuzzy Charging-Discharging Controller for Battery Storage System in Microgrid Applications. <i>IEEE Access</i> , <b>2019</b> , 7, 159357-159368	3.5	14
171	A Quantum Lightning Search Algorithm-Based Fuzzy Speed Controller for Induction Motor Drive. <i>IEEE Access</i> , <b>2018</b> , 6, 1214-1223	3.5	14
170	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> , <b>2017</b> , 92, 51-56	2.8	13
169	Power quality analysis of STATCOM using dynamic phasor modeling. <i>Electric Power Systems Research</i> , <b>2009</b> , 79, 993-999	3.5	13
168	LEDs as energy efficient lighting systems: A detail review <b>2011</b> ,		13
167	Review of Electric Vehicle Converter Configurations, Control Schemes and Optimizations: Challenges and Suggestions. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 477	2.6	13
166	Energy storage integration towards achieving grid decarbonization: A bibliometric analysis and future directions. <i>Journal of Energy Storage</i> , <b>2021</b> , 41, 102855	7.8	13
165	Real time solid waste bin monitoring system framework using wireless sensor network <b>2014</b> ,		12
164	Maximum power point tracking in grid connected PV system using a novel fuzzy logic controller <b>2009</b> ,		12
163	Survey on Inter-Vehicle Communication Applications: Current Trends and Challenges. <i>Information Technology Journal</i> , <b>2013</b> , 12, 243-250	0.7	12
162	Developmental dysplasia of the hip: usefulness of next generation genomic tools for characterizing the underlying genes - a mini review. <i>Clinical Genetics</i> , <b>2016</b> , 90, 16-20	4	12



161	Artificial Neural Network Based Particle Swarm Optimization for Microgrid Optimal Energy Scheduling. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 12151-12157	7.2	12
160	Impact of renewable energy utilization and artificial intelligence in achieving sustainable development goals. <i>Energy Reports</i> , <b>2021</b> , 7, 5359-5373	4.6	12
159	Automatic frequency controller for power amplifiers used in bio-implanted applications: issues and challenges. <i>Sensors</i> , <b>2014</b> , 14, 23843-70	3.8	11
158	System interface for an integrated intelligent safety system (ISS) for vehicle applications. <i>Sensors</i> , <b>2010</b> , 10, 1141-53	3.8	11
157	Dynamic modeling and simulation of Solid Oxide Fuel Cell system <b>2008</b> ,		11
156	A Robust Vision-based Lane Boundaries Detection Approach for Intelligent Vehicles. <i>Information Technology Journal</i> , <b>2012</b> , 11, 1184-1192	0.7	11
155	Role of optimization algorithms based fuzzy controller in achieving induction motor performance enhancement. <i>Nature Communications</i> , <b>2020</b> , 11, 3792	17.4	11
154	Artificial Intelligence Based Hybrid Forecasting Approaches for Wind Power Generation: Progress, Challenges and Prospects. <i>IEEE Access</i> , <b>2021</b> , 9, 102460-102489	3.5	11
153	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> , <b>2018</b> , 114, 54-62	2.8	10
152	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> , <b>2017</b> , 88, 228-235	2.8	10
151	Performance evaluation of grid-connected photovoltaic system with battery energy storage <b>2012</b> ,		10
150	Sensing Systems and Algorithms for Airbag Deployment Decision. <i>IEEE Sensors Journal</i> , <b>2011</b> , 11, 888-894		10
149	UKM campus bus identification and monitoring using RFID and GIS <b>2009</b> ,		10
148	Inter-Vehicle Wireless Communications Technologies, Issues and Challenges. <i>Information Technology Journal</i> , <b>2013</b> , 12, 558-568	0.7	10
147	Fuzzy Based Particle Swarm Optimization for Modeling Home Appliances Towards Energy Saving and Cost Reduction Under Demand Response Consideration. <i>IEEE Access</i> , <b>2020</b> , 8, 210784-210799	3.5	10
146	Fuzzy-Based Charging/Discharging Controller for Lithium-Ion Battery in Microgrid Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4187-4195	4.3	10
145	Intelligent Controllers and Optimization Algorithms for Building Energy Management Towards Achieving Sustainable Development: Challenges and Prospects. <i>IEEE Access</i> , <b>2021</b> , 9, 41577-41602	3.5	10
144	Improved recurrent NARX neural network model for state of charge estimation of lithium-ion battery using pso algorithm <b>2018</b> ,		9



143	An optimal control strategy for DC bus voltage regulation in photovoltaic system with battery energy storage. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 271087	2.2	9
142	An Optimal State of Charge Feedback Control Strategy for Battery Energy Storage in Hourly Dispatch of PV Sources. <i>Procedia Technology</i> , <b>2013</b> , 11, 24-31		9
141	Fabrication and characterization of Cd-enriched CdTe thin films by close spaced sublimation <b>2009</b> , 6, 251-256		9
140	Development of an embedded vehicle safety system for frontal crash detection. <i>International Journal of Crashworthiness</i> , <b>2008</b> , 13, 579-587	1	9
139	Nonequilibrium Green's function method for a quantum Hall device in a magnetic field. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	9
138	Energy management system of microgrid: Control schemes, pricing techniques, and future horizons. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 12728-12739	4.5	8
137	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> , <b>2021</b> , 57, 2964-2971	4.3	8
136	Fetal gender prediction based on maternal plasma testosterone and insulin-like peptide 3 concentrations at midgestation and late gestation in cattle. <i>Theriogenology</i> , <b>2016</b> , 86, 1764-73	2.8	8
135	Techno-Economic Analysis and Environmental Impact of Electric Buses. <i>World Electric Vehicle Journal</i> , <b>2021</b> , 12, 31	2.5	8
134	Voltage equalization for series connected lithium-ion battery cells <b>2015</b> ,		7
133	DESIGN OF SPIRAL CIRCULAR COILS IN WET AND DRY TISSUE FOR BIO-IMPLANTED MICRO-SYSTEM APPLICATIONS. <i>Progress in Electromagnetics Research M</i> , <b>2013</b> , 32, 181-200	0.6	7
132	Hardware implementation of fuzzy logic based maximum power point tracking controller for PV systems <b>2010</b> ,		7
131	Performance evaluation of solid state fault current limiters in electric distribution system		7
130	Transient Analysis of FACTS and Custom Power Devices Using Phasor Dynamics. <i>Journal of Applied Sciences</i> , <b>2006</b> , 6, 1074-1081	0.3	7
129	A Simulation Model of Solid-state Transfer Switch for Protection in Distribution Systems. <i>Journal of Applied Sciences</i> , <b>2006</b> , 6, 1993-1999	0.3	7
128	Optimal CC-CV charging of lithium-ion battery for charge equalization controller <b>2016</b> ,		7
127	A Fuzzy-Rule-Based PV Inverter Controller to Enhance the Quality of Solar Power Supply: Experimental Test and Validation. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1335	2.6	7
126	Dynamic Modeling of HVDC for Power System Stability Assessment: A Review, Issues, and Recommendations. <i>Energies</i> , <b>2021</b> , 14, 4829	3.1	7

125	Impact assessment of battery energy storage systems towards achieving sustainable development goals. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103040	7.8	7
124	Automatic vehicle classification using fast neural network and classical neural network for traffic monitoring. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , <b>2015</b> , 23, 2031-2042	0.9	6
123	Human gait state classification using artificial neural network <b>2014</b> ,		6
122	UKM campus bus monitoring system using RFID and GIS <b>2010</b> ,		6
121	Model Development of Charge Equalization Controller for Lithium-Ion Battery. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5255-5259	0.1	6
120	Shape Matching and Color Segmentation Based Traffic Sign Detection System. <i>Przeglad Elektrotechniczny</i> , <b>2015</b> , 1, 38-42	1.4	6
119	Review on Solid-State Transfer Switch Configurations and Control Methods: Applications, Operations, Issues, and Future Directions. <i>IEEE Access</i> , <b>2020</b> , 8, 182490-182505	3.5	6
118	Improved Power System Stability Using Backtracking Search Algorithm for Coordination Design of PSS and TCSC Damping Controller. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146277	3.7	6
117	A Review on Thermophotovoltaic Cell and Its Applications in Energy Conversion: Issues and Recommendations. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
116	Hydrogen energy storage integrated hybrid renewable energy systems: A review analysis for future research directions. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	6
115	Particle swarm optimization modeling for solid waste collection problem with constraints <b>2015</b> ,		5
114	PSO algorithm for Three Phase Induction Motor drive with SVPWM Switching and V/f Control <b>2014</b> ,		5
113	Real-time testing of a fuzzy logic controller based grid-connected photovoltaic inverter system <b>2014</b> ,		5
112	Inductive coupling links for lowest misalignment effects in transcutaneous implanted devices. <i>Biomedizinische Technik</i> , <b>2014</b> , 59, 257-68	1.3	5
111	Appearance-based methods in re-identification: A brief review <b>2012</b> ,		5
110	Determination of oxygen, nitrogen, and silicon in Nigerian fossil fuels by 14 MeV neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2003</b> , 256, 61-65	1.5	5
109	Building structural health monitoring using dense and sparse topology wireless sensor network. <i>Smart Structures and Systems</i> , <b>2015</b> , 16, 607-621		5
108	A Novel Prototype and Simulation Model for Real Time Solid Waste Bin Monitoring System. <i>Jurnal Kejuruteraan</i> , <b>2014</b> , 26, 15-19	0	5

107	Grid-connected lithium-ion battery energy storage system: A bibliometric analysis for emerging future directions. <i>Journal of Cleaner Production</i> , <b>2022</b> , 334, 130272	10.3	5
106	TPMS Data Analysis for Enhancing Intelligent Vehicle Performance. <i>Journal of Applied Sciences</i> , <b>2008</b> , 8, 1926-1931	0.3	5
105	Energy Management Scheduling for Microgrids in the Virtual Power Plant System Using Artificial Neural Networks. <i>Energies</i> , <b>2021</b> , 14, 6507	3.1	5
104	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system. <i>PLoS ONE</i> , <b>2020</b> , 15, e0243581	3.7	5
103	Review of Solid State Transfer Switch on Requirements, Standards, Topologies, Control, and Switching Mechanisms: Issues and Challenges. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1396	2.6	5
102	Feature extraction using Hough transform for solid waste bin level detection and classification. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 5381-91	3.1	4
101	Comparative study of popular objective functions for damping power system oscillations in multimachine system. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 549094	2.2	4
100	Real time bin status monitoring for solid waste collection route optimization <b>2014</b> ,		4
99	An analysis of harmonic diversity factors applied to LED lamps <b>2012</b> ,		4
98	SVC damping controller design based on firefly optimization algorithm in multi machine power system <b>2013</b> ,		4
97	Structural, optical and electrical characterization of HgxCd1-xTe polycrystalline films fabricated by two-source evaporation technique. <i>Crystal Research and Technology</i> , <b>2007</b> , 42, 817-821	1.3	4
96	Vehicle to grid connected technologies and charging strategies: Operation, control, issues and recommendations. <i>Journal of Cleaner Production</i> , <b>2022</b> , 339, 130587	10.3	4
95	Data-driven hybrid approaches for renewable power prediction toward grid decarbonization: Applications, issues and suggestions. <i>Journal of Cleaner Production</i> , <b>2021</b> , 129476	10.3	4
94	Recyclable Waste Paper Sorting Using Template Matching. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 467-478	4.9	4
93	State-of-Charge Estimation of Li-ion Battery in Electric Vehicles: A Deep Neural Network Approach <b>2019</b> ,		4
92	Deep learning approach towards accurate state of charge estimation for lithium-ion batteries using self-supervised transformer model. <i>Scientific Reports</i> , <b>2021</b> , 11, 19541	4.9	4
91	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> , <b>2022</b> , 132188	10.3	4
90	Lithium-ion battery charge equalization algorithm for electric vehicle applications <b>2016</b> ,		3

89	An optimal scheduling controller for virtual power plant and microgrid integration using binary backtracking search algorithm <b>2017</b> ,		3
88	Quantum-behaved lightning search algorithm to improve indirect field-oriented fuzzy-PI control for IM drive <b>2017</b> ,		3
87	DEVELOPMENT OF BIO-IMPLANTED MICRO-SYSTEM WITH SELF-RECOVERY ASK DEMODULATOR FOR TRANSCUTANEOUS APPLICATIONS. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2014</b> , 14, 1450062-7	2.7	3
86	RFID and communication technologies for an intelligent bus monitoring and management system. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , <b>2014</b> , 22, 106-120	0.9	3
85	Object identification using DNA computing algorithm <b>2012</b> ,		3
84	Analysis of voltage sag sensitivity of LED lamps <b>2012</b> ,		3
83	Implementing GIS in Bus Identification and Monitoring System <b>2011</b> ,		3
82	Analysis of multi-power sources energy management system for electric hybrid vehicle <b>2011</b> ,		3
81	Software defined radio for RFID signal in Rayleigh fading channel <b>2010</b> ,		3
80	Power quality improvement using DVR with two fast vector control <b>2010</b> ,		3
79	EFFICIENT DATA AND POWER TRANSFER FOR BIO-IMPLANTED DEVICES BASED ON ASK MODULATION TECHNIQUES. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2012</b> , 12, 1240030	0.7	3
78	Decision fusion of a multi-sensing embedded system for occupant safety measures. <i>International Journal of Automotive Technology</i> , <b>2010</b> , 11, 57-65	1.6	3
77	Preparation and physical properties of Cd <sub>x</sub> Hg <sub>1-x</sub> Te thin films fabricated by close spaced sublimation technique. <i>Materials Letters</i> , <b>2008</b> , 62, 1400-1402	3.3	3
76	Development of new control strategy for voltage sag mitigation <b>2008</b> ,		3
75			3
74	Modeling and analysis of a 24-pulse dynamic voltage restorer in a distribution system		3
73	Optimal PI controller based PSO optimization for PV inverter using SPWM techniques. <i>Energy Reports</i> , <b>2021</b> , 8, 1003-1003	4.6	3
72	Characterization of MEMS Automotive Sensor for Tire Pressure Monitoring System. <i>Journal of Applied Sciences</i> , <b>2006</b> , 6, 810-815	0.3	3

71	Lifetime measure of dense and sparse topology sensor network in structural health monitoring. <i>EAI Endorsed Transactions on Scalable Information Systems</i> , <b>2017</b> , 4, 152752	1	3
70	CBIR for an Automated Solid Waste Bin Level Detection System Using GLCM. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 280-288	0.9	3
69	<b>2019</b> ,		3
68	Current and future communication solutions for smart grids: A review. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	3
67	DNA computer based algorithm for recyclable waste paper segregation. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 31, 223-240	7.5	2
66	Investigations optimum scheduling and TCP mechanism of hybrid topology sensor network in building SHM. <i>Optik</i> , <b>2016</b> , 127, 3218-3224	2.5	2
65	Toward Optimum Topology Protocol in Health Monitoring. <i>EAI/Springer Innovations in Communication and Computing</i> , <b>2019</b> , 81-109	0.6	2
64	Optimal neural network approach for estimating state of energy of lithium-ion battery using heuristic optimization techniques <b>2017</b> ,		2
63	<b>2017</b> ,		2
62	SOLID WASTE GENERATION AND COLLECTION EFFICIENCIES: ISSUES AND CHALLENGES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 75,	1.2	2
61	Test bench model and algorithms for multi-sources light electric vehicle energy management system <b>2015</b> ,		2
60	Harvesting solar and energy management system for Light Electric Vehicles (LEVs) <b>2012</b> ,		2
59	Integrated sensing and communication technologies for automated solid waste bin monitoring system <b>2013</b> ,		2
58	Power system stabilizer design using BAT optimization algorithm in multimachine power system <b>2013</b> ,		2
57	M-ARRAY QUADRATURE AMPLITUDE MODULATION WIRELESS SENSOR NETWORK MODULATOR RELIABILITY AND ACCURACY ANALYZE IN CIVIL SHM. <i>Journal of Computer Science</i> , <b>2013</b> , 9, 1738-1746	0.5	2
56	Three-phase photovoltaic grid-connected inverter using dSPACE DS1104 platform <b>2011</b> ,		2
55	Communication technologies for an intelligent bus monitoring system <b>2011</b> ,		2
54	Renewable energy inverter development using dSPACE DS1104 controller board <b>2010</b> ,		2

53	RFID Communication Using Software Defined Radio Technique <b>2010</b> ,		2
52	Modeling and power quality analysis of STATCOM using phasor dynamics <b>2008</b> ,		2
51	Optimal Algorithms for Energy Storage Systems in Microgrid Applications: An Analytical Evaluation Towards Future Directions. <i>IEEE Access</i> , <b>2022</b> , 10, 10105-10123	3.5	2
50	An Energy Management of Light Electric Vehicle. <i>International Journal of Smart Grid and Clean Energy</i> , <b>2013</b> , 2, 271-276	1.4	2
49	Color Index of Transformer Oil: A Low-Cost Measurement Approach Using Ultraviolet-Blue Laser. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
48	State-of-Charge Estimation of Li-ion Battery at Variable Ambient Temperature with Gated Recurrent Unit Network <b>2020</b> ,		2
47	Designing for Comfort and Reliability in an Intelligent Car Seat. <i>American Journal of Applied Sciences</i> , <b>2008</b> , 5, 1787-1792	0.8	2
46	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> , <b>2020</b> , 153, 107372	4.6	2
45	Modelling of Home Appliances Using Fuzzy Controller in Achieving Energy Consumption and Cost Reduction. <i>Elektronika Ir Elektrotechnika</i> , <b>2021</b> , 27, 15-25	1.7	2
44	Thermal behavior of lithium-ion battery in microgrid application: Impact and management system. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 4967-5005	4.5	2
43	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2
42	<b>2018</b> ,		2
41	Solid State Switching Control Methods: A Bibliometric Analysis for Future Directions. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1944	2.6	2
40	Optimization algorithms for energy storage integrated microgrid performance enhancement. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103182	7.8	2
39	Real-time State of Charge Estimation of Lithium-ion Batteries Using Optimized Random Forest Regression Algorithm. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2022</b> , 1-1	5	2
38	Microgrid control methods toward achieving sustainable energy management: A bibliometric analysis for future directions. <i>Journal of Cleaner Production</i> , <b>2022</b> , 348, 131340	10.3	2
37	Adaptive Neuro-Fuzzy Controller for Grid Voltage Dip Compensations of Grid Connected DFIG-WECS <b>2019</b> ,		1
36	Optimized speed controller for induction motor drive using quantum lightning search algorithm <b>2016</b> ,		1

35	A novel coordinated control strategy considering power smoothing for a hybrid photovoltaic/battery energy storage system. <i>Journal of Central South University</i> , <b>2016</b> , 23, 394-404	2.1	1
34	Modulation Schemes of SDR for RFID Signal Transmission Performance Evaluation. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 895-900		1
33	Low spikes and low harmonic distortion multilevel inverter for induction motor implementation <b>2017</b> ,		1
32	Backtracking search algorithm approach to improve indirect field-oriented control for induction motor drive <b>2015</b> ,		1
31	Efficient Class-E design for inductive powering wireless biotelemetry applications <b>2012</b> ,		1
30	Feed Forward Neural Network for Solid Waste Image Classification. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , <b>2013</b> , 5, 1466-1470	0.2	1
29	Development of an efficient photovoltaic maximum power point tracking controller <b>2011</b> ,		1
28	Gray Level Aura Matrix: An image processing approach for waste bin level detection <b>2011</b> ,		1
27	<b>2010</b> ,		1
26	Development of three-phase photovoltaic inverter using dSPACE DS1104 board <b>2009</b> ,		1
25	A 50kW PEM fuel cell inverter-based distributed generation system for grid connected and islanding operation <b>2009</b> ,		1
24	Rule-based fuzzy controller for solid state transfer switch towards fast sensitive loads transfer <b>2021</b> ,		1
23	Rule-based fuzzy controller for solid state transfer switch towards fast sensitive loads transfer. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
22	Portable Device for Transformer Oil Inhibitor Content Analysis Using Near-Infrared Spectroscopy Wavelength <b>2020</b> ,		1
21	The Amber-Colored Liquid: A Review on the Color Standards, Methods of Detection, Issues and Recommendations. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
20	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> , <b>2020</b> , 66, 587-592	2.1	1
19	Integrated Communication for Truck Monitoring in Solid Waste Collection Systems. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 70-80	0.9	1
18	Optical Detection of Inhibitor in Transformer Oil at Silicon-Detectable Wavelength Using Variable Path Length Model. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 6035-6042	4	1



17	Multi-dimensional optimization of InGaAs thermophotovoltaic cell using real coded genetic algorithm. <i>Scientific Reports</i> , <b>2021</b> , 11, 7741	4.9	1
16	Portable NIR Spectroscopy Measuring Device for Transformer Oil DBPC Inhibitor Analysis. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2114-2119	4.3	1
15	PSO OPTIMIZATION FOR SOLAR SYSTEM INVERTER CONTROLLER AND COMPARISON BETWEEN TWO CONTROLLER TECHNIQUES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2016</b> , 78,	1.2	1
14	Utilization of Renewable Energy for Power Sector in Yemen: Current Status and Potential Capabilities. <i>IEEE Access</i> , <b>2021</b> , 9, 79278-79292	3.5	1
13	ANN based binary backtracking search algorithm for virtual power plant scheduling and cost-effective evaluation <b>2021</b> ,		1
12	Charging and Discharging Control of Li-Ion Battery Energy Management for Electric Vehicle Application. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 482	0.8	1
11	Performance of Ge and In <sub>0.53</sub> Ga <sub>0.47</sub> as Thermophotovoltaic Cells under Different Spectral Irradiances. <i>IEEE Access</i> , <b>2021</b> , 9, 37091-37102	3.5	1
10	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> , <b>2022</b> , 1-1	3.5	1
9	Gravitational search algorithm based tuning of a PI speed controller for an induction motor drive. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2016</b> , 32, 012001	0.3	0
8	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> , <b>2022</b> , 312, 118784	10.7	0
7	Image Transmission for Inter-Vehicle Safety Application. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , <b>2013</b> , 5, 1339-1343	0.2	
6	TPMS for Intelligent Vehicle Safety Application. <i>HKIE Transactions</i> , <b>2009</b> , 16, 46-51	2.9	
5	An Intelligent Maximum Power Point Tracking Algorithm for Photovoltaic System. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 457	0.8	
4	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system <b>2020</b> , 15, e0243581		
3	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system <b>2020</b> , 15, e0243581		
2	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system <b>2020</b> , 15, e0243581		
1	Particle swarm optimization algorithm-based PI inverter controller for a grid-connected PV system <b>2020</b> , 15, e0243581		