

# Azah Mohamed

## List of Publications by Year in descending order

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271  
papers

8,430  
citations

70961

41  
h-index

56606

83  
g-index

274  
all docs

274  
docs citations

274  
times ranked

7918  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of energy storage systems for electric vehicle applications: Issues and challenges. Renewable and Sustainable Energy Reviews, 2017, 69, 771-789.	8.2	660
2	Hybrid electric vehicles and their challenges: A review. Renewable and Sustainable Energy Reviews, 2014, 29, 135-150.	8.2	546
3	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
4	A review of the stage-of-the-art charging technologies, placement methodologies, and impacts of electric vehicles. Renewable and Sustainable Energy Reviews, 2016, 64, 403-420.	8.2	336
5	Review on Home Energy Management System Considering Demand Responses, Smart Technologies, and Intelligent Controllers. IEEE Access, 2018, 6, 24498-24509.	2.6	291
6	Recent advances and emerging challenges in microbial electrolysis cells (MECs) for microbial production of hydrogen and value-added chemicals. Renewable and Sustainable Energy Reviews, 2016, 61, 501-525.	8.2	283
7	A review of solar energy modeling techniques. Renewable and Sustainable Energy Reviews, 2012, 16, 2864-2869.	8.2	247
8	A review on sizing methodologies of photovoltaic array and storage battery in a standalone photovoltaic system. Energy Conversion and Management, 2016, 120, 430-448.	4.4	208
9	A review of photovoltaic systems size optimization techniques. Renewable and Sustainable Energy Reviews, 2013, 22, 454-465.	8.2	207
10	Battery charge equalization controller in electric vehicle applications: A review. Renewable and Sustainable Energy Reviews, 2017, 75, 1363-1385.	8.2	183
11	Real time optimal schedule controller for home energy management system using new binary backtracking search algorithm. Energy and Buildings, 2017, 138, 215-227.	3.1	156
12	Optimization of a PV/wind micro-grid for rural housing electrification using a hybrid iterative/genetic algorithm: Case study of Kuala Terengganu, Malaysia. Energy and Buildings, 2012, 47, 321-331.	3.1	145
13	Multi-sources model and control algorithm of an energy management system for light electric vehicles. Energy Conversion and Management, 2012, 62, 123-130.	4.4	137
14	Optimization techniques to enhance the performance of induction motor drives: A review. Renewable and Sustainable Energy Reviews, 2018, 81, 1611-1626.	8.2	127
15	An improved control method of battery energy storage system for hourly dispatch of photovoltaic power sources. Energy Conversion and Management, 2013, 73, 256-270.	4.4	123
16	Intelligent maximum power point tracking for PV system using Hopfield neural network optimized fuzzy logic controller. Energy and Buildings, 2012, 51, 29-38.	3.1	110
17	Optimal sizing of building integrated hybrid PV/diesel generator system for zero load rejection for Malaysia. Energy and Buildings, 2011, 43, 3430-3435.	3.1	106
18	Optimal allocation of shunt Var compensators in power systems using a novel global harmony search algorithm. International Journal of Electrical Power and Energy Systems, 2012, 43, 562-572.	3.3	92

#	ARTICLE	IF	CITATIONS
19	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
20	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. IEEE Access, 2019, 7, 24934-24955.	2.6	85
21	Modeling of Daily Solar Energy on a Horizontal Surface for Five Main Sites in Malaysia. International Journal of Green Energy, 2011, 8, 795-819.	2.1	84
22	A new approach to locate the voltage sag source using real current component. Electric Power Systems Research, 2004, 72, 113-123.	2.1	75
23	Power quality and reliability enhancement in distribution systems via optimum network reconfiguration by using quantum firefly algorithm. International Journal of Electrical Power and Energy Systems, 2014, 58, 160-169.	3.3	72
24	Fuzzy logic speed controller optimization approach for induction motor drive using backtracking search algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 78, 49-62.	2.5	72
25	Hybrid LSA-ANN Based Home Energy Management Scheduling Controller for Residential Demand Response Strategy. Energies, 2016, 9, 716.	1.6	69
26	Optimal location and sizing of fast charging stations for electric vehicles by incorporating traffic and power networks. IET Intelligent Transport Systems, 2018, 12, 947-957.	1.7	67
27	Performance evaluation and characterization of a 3-kWp grid-connected photovoltaic system based on tropical field experimental results: new results and comparative study. Renewable and Sustainable Energy Reviews, 2015, 42, 1047-1054.	8.2	64
28	Islanding detection in a distributed generation integrated power system using phase space technique and probabilistic neural network. Neurocomputing, 2015, 148, 587-599.	3.5	63
29	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
30	Power quality performance of energy-efficient low-wattage LED lamps. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3783-3795.	2.5	60
31	Artificial neural network approach to network reconfiguration for loss minimization in distribution networks. International Journal of Electrical Power and Energy Systems, 1998, 20, 247-258.	3.3	57
32	Artificial Intelligent Based Damping Controller Optimization for the Multi-Machine Power System: A Review. IEEE Access, 2018, 6, 39574-39594.	2.6	57
33	PSCAD/EMTDC Simulation of Unified Series-Shunt Compensator for Power Quality Improvement. IEEE Transactions on Power Delivery, 2005, 20, 1650-1656.	2.9	56
34	A New Approach for Optimal Sizing of Standalone Photovoltaic Systems. International Journal of Photoenergy, 2012, 2012, 1-7.	1.4	54
35	An efficient particle swarm optimization technique with chaotic sequence for optimal tuning and placement of PSS in power systems. International Journal of Electrical Power and Energy Systems, 2012, 43, 1467-1478.	3.3	53
36	A novel neural network and backtracking based protection coordination scheme for distribution system with distributed generation. International Journal of Electrical Power and Energy Systems, 2012, 43, 868-879.	3.3	52

#	ARTICLE	IF	CITATIONS
37	Optimal sizing of a standalone photovoltaic system for remote housing electrification using numerical algorithm and improved system models. Energy, 2017, 126, 392-403.	4.5	51
38	An application of backtracking search algorithm in designing power system stabilizers for large multi-machine system. Neurocomputing, 2017, 237, 175-184.	3.5	50
39	Practical framework of employability skills for engineering graduate in Malaysia. , 2010, , .		46
40	Solar Energy Prediction for Malaysia Using Artificial Neural Networks. International Journal of Photoenergy, 2012, 2012, 1-16.	1.4	46
41	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
42	A novel method for optimal placement of vehicle-to-grid charging stations in distribution power system using a quantum binary lightning search algorithm. Sustainable Cities and Society, 2018, 38, 174-183.	5.1	46
43	Analysis and solutions of overcurrent protection issues in a microgrid. , 2012, , .		44
44	A Review on Protection Schemes and Coordination Techniques in Microgrid System. Journal of Applied Sciences, 2012, 12, 101-112.	0.1	44
45	Power quality impacts of high-penetration electric vehicle stations and renewable energy-based generators on power distribution systems. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2423-2434.	2.5	41
46	Optimum D-STATCOM placement using firefly algorithm for power quality enhancement. , 2013, , .		40
47	Fast transient stability assessment of large power system using probabilistic neural network with feature reduction techniques. Expert Systems With Applications, 2011, 38, 11112-11119.	4.4	39
48	Optimal placement and sizing of distributed generators based on a novel MPSI index. International Journal of Electrical Power and Energy Systems, 2014, 60, 389-398.	3.3	39
49	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. IEEE Access, 2018, 6, 47489-47510.	2.6	38
50	Determination of Transmission Reliability Margin Using Parametric Bootstrap Technique. IEEE Transactions on Power Systems, 2008, 23, 1689-1700.	4.6	37
51	Vulnerability control of large scale interconnected power system using neuro-fuzzy load shedding approach. Expert Systems With Applications, 2010, 37, 3171-3176.	4.4	37
52	Power quality impact of grid-connected photovoltaic generation system in distribution networks. , 2012, , .		37
53	Power Quality Impact of Renewable Energy based Generators and Electric Vehicles on Distribution Systems. Procedia Technology, 2013, 11, 11-17.	1.1	37
54	Optimal power quality monitor placement in power systems using an adaptive quantum-inspired binary gravitational search algorithm. International Journal of Electrical Power and Energy Systems, 2014, 57, 404-413.	3.3	36

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55	A novel approach for fuzzy logic PV inverter controller optimization using lightning search algorithm. <i>Neurocomputing</i> , 2015, 168, 435-453.	3.5	36
56	An optimization of rectangular shape piezoelectric energy harvesting cantilever beam for micro devices. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2016, 50, 537-548.	0.3	36
57	Artificial neural network based controller for home energy management considering demand response events. , 2016, , .		36
58	Power system stabilizer design using hybrid multi-objective particle swarm optimization with chaos. <i>Journal of Central South University</i> , 2011, 18, 1579-1588.	1.2	34
59	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.	1.5	34
60	Optimum placement of active power conditioner in distribution systems using improved discrete firefly algorithm for power quality enhancement. <i>Applied Soft Computing Journal</i> , 2014, 23, 249-258.	4.1	33
61	Islanding detection and load shedding scheme for radial distribution systems integrated with dispersed generations. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 2261-2275.	1.4	33
62	Rule based system for power quality disturbance classification incorporating S-transform features. <i>Expert Systems With Applications</i> , 2010, 37, 3229-3235.	4.4	32
63	Assessment of Artificial Neural Networks for Hourly Solar Radiation Prediction. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	1.4	32
64	An analysis of harmonics from LED lamps. , 2012, , .		32
65	Optimal placement and sizing of distributed generations in distribution systems for minimizing losses and THD <sub>v</sub> using evolutionary programming. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2013, 21, 2269-2282.	0.9	31
66	An Improved Fuzzy Logic Controller Design for PV Inverters Utilizing Differential Search Optimization. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-14.	1.4	30
67	A Novel Quantum-Behaved Lightning Search Algorithm Approach to Improve the Fuzzy Logic Speed Controller for an Induction Motor Drive. <i>Energies</i> , 2015, 8, 13112-13136.	1.6	30
68	Simplified I-V Characteristic Tester for Photovoltaic Modules Using a DC-DC Boost Converter. <i>Sustainability</i> , 2017, 9, 657.	1.6	30
69	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. <i>Energies</i> , 2017, 10, 1390.	1.6	30
70	An image processing based method for power quality event identification. <i>International Journal of Electrical Power and Energy Systems</i> , 2013, 46, 184-197.	3.3	29
71	An enhanced method for contribution assessment of utility and customer harmonic distortions in radial and weakly meshed distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2012, 43, 222-229.	3.3	28
72	A Novel Quantum-inspired Binary Gravitational Search Algorithm in Obtaining Optimal Power Quality Monitor Placement. <i>Journal of Applied Sciences</i> , 2012, 12, 822-830.	0.1	28

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73	Coordination of Overcurrent, Directional and Differential Relays for the Protection of Microgrid System. <i>Procedia Technology</i> , 2013, 11, 366-373.	1.1	26
74	Optimum placement of active power conditioners by a dynamic discrete firefly algorithm to mitigate the negative power quality effects of renewable energy-based generators. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 61, 305-317.	3.3	26
75	Smart plug prototype for monitoring electrical appliances in Home Energy Management System. , 2015, , .		26
76	Hopfield Neural Network Optimized Fuzzy Logic Controller for Maximum Power Point Tracking in a Photovoltaic System. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-13.	1.4	25
77	An analysis of harmonics from dimmable LED lamps. , 2012, , .		25
78	Review on Electric Vehicle, Battery Charger, Charging Station and Standards. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 364-373.	0.1	25
79	Optimal location of PSS using improved PSO with chaotic sequence. , 2011, , .		24
80	PSS and TCSC Damping Controller Coordinated Design Using GSA. <i>Energy Procedia</i> , 2012, 14, 763-769.	1.8	24
81	An optimal radial basis function neural network for fault location in a distribution network with high penetration of DG units. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 3319-3327.	2.5	24
82	Optimal siting and sizing of rapid charging station for electric vehicles considering Bangi city road network in Malaysia. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 3933-3948.	0.9	24
83	A Nature-Inspired Optimization-Based Optimum Fuzzy Logic Photovoltaic Inverter Controller Utilizing an eZdsp F28335 Board. <i>Energies</i> , 2016, 9, 120.	1.6	24
84	Performance Evaluation of Voltage Stability Indices for Dynamic Voltage Collapse Prediction. <i>Journal of Applied Sciences</i> , 2006, 6, 1104-1113.	0.1	24
85	Transient Stability Assessment of a Power System Using PNN and LS-SVM Methods. <i>Journal of Applied Sciences</i> , 2007, 7, 3208-3216.	0.1	22
86	AN INTELLIGENT LOAD SHEDDING SCHEME USING NEURAL NETWORKS AND NEURO-FUZZY. <i>International Journal of Neural Systems</i> , 2009, 19, 473-479.	3.2	21
87	Coordinated design of PSS and SVC damping controller using CPSO. , 2011, , .		21
88	Intelligent detection of unstable power swing for correct distance relay operation using S-transform and neural networks. <i>Expert Systems With Applications</i> , 2011, 38, 14969-14975.	4.4	21
89	A comparative study on the performance of custom power devices for power quality improvement. , 2014, , .		21
90	LEDs as energy efficient lighting systems: A detail review. , 2011, , .		20

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91	Improved approach for electric vehicle rapid charging station placement and sizing using Google maps and binary lightning search algorithm. PLoS ONE, 2017, 12, e0189170.	1.1	20
92	Novel quantum-inspired firefly algorithm for optimal power quality monitor placement. Frontiers in Energy, 2014, 8, 254-260.	1.2	19
93	Photovoltaic Based Dynamic Voltage Restorer For Voltage Sag Mitigation. , 2007, , .		18
94	Dynamic voltage collapse prediction in power systems using support vector regression. Expert Systems With Applications, 2010, 37, 3730-3736.	4.4	18
95	A Software Tool for Optimal Sizing of PV Systems in Malaysia. Modelling and Simulation in Engineering, 2012, 2012, 1-11.	0.4	18
96	An improved gravitational search algorithm for optimal placement and sizing of renewable distributed generation units in a distribution system for power quality enhancement. Journal of Renewable and Sustainable Energy, 2014, 6, 033112.	0.8	18
97	Optimal allocation of rapid charging stations for electric vehicles. , 2015, , .		18
98	A load shedding scheme for DG integrated islanded power system utilizing backtracking search algorithm. Ain Shams Engineering Journal, 2018, 9, 161-172.	3.5	18
99	Modeling of the output current of a photovoltaic grid-connected system using random forests technique. Energy Exploration and Exploitation, 2018, 36, 132-148.	1.1	18
100	Optimal Sizing of the Energy Sources in Hybrid PV/Diesel Systems: A Case Study for Malaysia. International Journal of Green Energy, 2013, 10, 41-52.	2.1	17
101	Heuristic optimization of state-of-charge feedback controller parameters for output power dispatch of hybrid photovoltaic/battery energy storage system. Measurement: Journal of the International Measurement Confederation, 2014, 49, 15-25.	2.5	17
102	A binary variant of lightning search algorithm: BLSA. Soft Computing, 2017, 21, 2971-2990.	2.1	17
103	Improved Harmony Search Algorithm for Optimal Placement and Sizing of Static Var Compensators in Power Systems. , 2011, , .		16
104	Study of impulse voltage distribution in transformer windings. , 2010, , .		15
105	Optimal sizing of a PV/wind/diesel hybrid energy system for Malaysia. , 2013, , .		15
106	Feature Selection and Extraction Methods for Power Systems Transient Stability Assessment Employing Computational Intelligence Techniques. Neural Processing Letters, 2012, 35, 81-102.	2.0	14
107	Optimal Battery Sizing in Photovoltaic Based Distributed Generation Using Enhanced Opposition-Based Firefly Algorithm for Voltage Rise Mitigation. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	14
108	Artificial Intelligence application to Malaysian electrical powersystem. Expert Systems With Applications, 2010, 37, 5023-5031.	4.4	13

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109	A new method for determining multiple harmonic source locations in a power distribution system. , 2010, , .		13
110	Performance comparison of MLP and RBF neural networks for fault location in distribution networks with DGs. , 2010, , .		13
111	Determining exact fault location in a distribution network in presence of DGs using RBF neural networks. , 2011, , .		13
112	A novel protection coordination strategy using back tracking algorithm for distribution systems with high penetration of DG. , 2012, , .		13
113	Random Forest-Based Approach for Maximum Power Point Tracking of Photovoltaic Systems Operating under Actual Environmental Conditions. Computational Intelligence and Neuroscience, 2017, 2017, 1-17.	1.1	13
114	dSPACE Controller-Based Enhanced Piezoelectric Energy Harvesting System Using PI-Lightning Search Algorithm. IEEE Access, 2019, 7, 3610-3626.	2.6	13
115	A computational intelligence-based suite for vulnerability assessment of electrical power systems. Simulation Modelling Practice and Theory, 2010, 18, 533-546.	2.2	12
116	Modelling and Simulation of a Single Phase Grid Connected Using Photovoltaic and Battery Based Power Generation. , 2013, , .		12
117	Identification of voltage sag source location using S and TT transformed disturbance power. Journal of Central South University, 2013, 20, 83-97.	1.2	12
118	An Optimal Control Strategy for DC Bus Voltage Regulation in Photovoltaic System with Battery Energy Storage. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	12
119	A Systematic Approach in Estimating the Generator Parameters. Electric Power Components and Systems, 2002, 30, 301-313.	1.0	11
120	Dynamic Voltage Collapse Prediction on a Practical Power System Using Power Transfer Stability Index. , 2007, , .		11
121	Hardware implementation of fuzzy logic based maximum power point tracking controller for PV systems. , 2010, , .		11
122	Optimal placement of power quality monitors in distribution systems using the topological monitor reach area. , 2011, , .		11
123	An effective power quality monitor placement method utilizing quantum-inspired particle swarm optimization. , 2011, , .		11
124	Estimating Ambient Temperature for Malaysia Using Generalized Regression Neural Network. International Journal of Green Energy, 2012, 9, 195-201.	2.1	11
125	An Optimal State of Charge Feedback Control Strategy for Battery Energy Storage in Hourly Dispatch of PV Sources. Procedia Technology, 2013, 11, 24-31.	1.1	11
126	Impact of large-scale installation of LED lamps in a distribution system. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 1769-1780.	0.9	11



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127	A New Method for a Piezoelectric Energy Harvesting System Using a Backtracking Search Algorithm-Based PI Voltage Controller. <i>Micromachines</i> , 2016, 7, 171.	1.4	11
128	Improved proportional-integral voltage controller for a piezoelectric energy harvesting system converter utilizing lightning search algorithm. <i>Ferroelectrics</i> , 2017, 514, 123-145.	0.3	11
129	Dynamic Voltage Collapse Prediction In Power Systems Using Power Transfer Stability Index. , 2006, , .		10
130	An Assessment of Diffuse Solar Energy Models in Terms of Estimation Accuracy. <i>Energy Procedia</i> , 2012, 14, 2066-2074.	1.8	10
131	Sizing of a wind charger at minimum cost for remote housing electrification: A case study for nine coastal sites in Malaysia. <i>Energy and Buildings</i> , 2012, 51, 185-190.	3.1	10
132	Comparative study of effectiveness of different var compensation devices in large-scale power networks. <i>Journal of Central South University</i> , 2013, 20, 715-723.	1.2	10
133	Optimal battery placement in photovoltaic based distributed generation using binary firefly algorithm for voltage rise mitigation. , 2014, , .		10
134	Impact of Battery's Model Accuracy on Size Optimization Process of a Standalone Photovoltaic System. <i>Sustainability</i> , 2016, 8, 894.	1.6	10
135	An Improved Method for Determining Contribution of Utility and Customer Harmonic Distortions In A Power Distribution System. <i>International Journal on Electrical Engineering and Informatics</i> , 2010, 2, 204-215.	0.3	10
136	A New Method of Transient Stability Assessment in Power Systems Using LS-SVM. , 2007, , .		9
137	Analysis of personal computer ride through capability during voltage sags. <i>Electric Power Systems Research</i> , 2009, 79, 1615-1624.	2.1	9
138	Coordinated design of PSS and TCSC controller for power system stability improvement. , 2010, , .		9
139	Experimental Investigation of ac contactor ride through capability during voltage sag. , 2010, , .		9
140	Influence of distributed generations and renewable energy resources power plant on power system transient stability. , 2010, , .		9
141	Low voltage ride through capability of fuel cell generation system connected to low voltage network. , 2011, , .		9
142	Power quality monitor placement method using adaptive quantum-inspired binary gravitational search algorithm. , 2012, , .		9
143	Coordinated design of unified power flow controller and power system stabilizer to enhance power system stability. , 2012, , .		9
144	PSO algorithm for Three Phase Induction Motor drive with SVPWM Switching and V/f Control. , 2014, , .		9

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145	A novel single-phase phase space-based voltage mode controller for distributed static compensator to improve voltage profile of distribution systems. <i>Energy Conversion and Management</i> , 2014, 79, 449-455.	4.4	9
146	Impact of Plug-in Hybrid Electric Vehicle on Power Distribution System Considering Vehicle to Grid Technology: A Review. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2015, 10, 1404-1413.	0.1	9
147	Performance comparison of neural networks for intelligent management of distributed generators in a distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 67, 179-190.	3.3	9
148	Harmonic Impact of Plug-In Hybrid Electric Vehicle on Electric Distribution System. <i>Modelling and Simulation in Engineering</i> , 2016, 2016, 1-7.	0.4	9
149	Transient Stability Assessment of a Power System Using Probabilistic Neural Network. <i>American Journal of Applied Sciences</i> , 2008, 5, 1225-1232.	0.1	9
150	A Simulation Model of Solid-state Transfer Switch for Protection in Distribution Systems. <i>Journal of Applied Sciences</i> , 2006, 6, 1993-1999.	0.1	9
151	A hybrid PSO technique for damping electro-mechanical oscillations in large power system. , 2010, , .		8
152	Intelligent management of distributed generators reactive power for loss minimization and voltage control. , 2010, , .		8
153	A New Approach for Meteorological Variables Prediction at Kuala Lumpur, Malaysia, Using Artificial Neural Networks: Application for Sizing and Maintaining Photovoltaic Systems. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2012, 134, .	1.1	8
154	Power swing and voltage collapse identification schemes for correct distance relay operation in power system. <i>Journal of Central South University</i> , 2013, 20, 988-1000.	1.2	8
155	Impact of grid-connected photovoltaic generator using P-V curve and improved voltage stability index. , 2014, , .		8
156	Improved Power System Stability Using Backtracking Search Algorithm for Coordination Design of PSS and TCSC Damping Controller. <i>PLoS ONE</i> , 2016, 11, e0146277.	1.1	8
157	A Hybrid Optimization Approach for the Enhancement of Efficiency of a Piezoelectric Energy Harvesting System. <i>Electronics (Switzerland)</i> , 2021, 10, 75.	1.8	8
158	Transient Stability Assessment of Power Systems using Probabilistic Neural Network with Enhanced Feature Selection and Extraction. <i>International Journal on Electrical Engineering and Informatics</i> , 2009, 1, 103-114.	0.3	8
159	A New Method for Determining Voltage Sag Source Locations by using Multivariable Regression Coefficients. <i>Journal of Applied Sciences</i> , 2011, 11, 2734-2743.	0.1	8
160	Area-Based COI-Referred Rotor Angle Index for Transient Stability Assessment and Control of Power Systems. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-23.	0.3	7
161	Analysis of voltage sag sensitivity of LED lamps. , 2012, , .		7
162	An analysis of harmonic diversity factors applied to LED lamps. , 2012, , .		7

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163	New training strategies for RBF neural networks to determine fault location in a distribution network with DG units. , 2013, , .		7
164	Optimization Methods for Optimal Power Quality Monitor Placement in Power Systems: A Performance Comparison. International Journal on Electrical Engineering and Informatics, 2012, 4, 78-91.	0.3	7
165	Renewable energy inverter development using dSPACE DS1104 controller board. , 2010, , .		6
166	Formulation in Evaluating the Technical Skills of Engineering Graduates. Procedia, Social and Behavioral Sciences, 2012, 60, 493-499.	0.5	6
167	SVC damping controller design based on firefly optimization algorithm in multi machine power system. , 2013, , .		6
168	Correlation for estimating solar cell temperature based on a tropical field operation of a photovoltaic system. , 2014, , .		6
169	Nonintrusive load identification using extreme learning machine and TT-transform. , 2016, , .		6
170	Power quality impacts of plug-in hybrid electric vehicles on distribution network. , 2016, , .		6
171	A Novel Charging and Discharging Algorithm of Plug-in Hybrid Electric Vehicles Considering Vehicle-to-Grid and Photovoltaic Generation. World Electric Vehicle Journal, 2019, 10, 61.	1.6	6
172	Power Quality Disturbance Detection Using DSP Based Continuous Wavelet Transform. Journal of Applied Sciences, 2007, 7, 893-902.	0.1	6
173	Using support vector machines for determining voltage unstable areas in power systems. , 2008, , .		5
174	Development of new control strategy for voltage sag mitigation. , 2008, , .		5
175	Comparing least squares support vector machine and probabilistic neural network in transient stability assessment of a large-scale power system. , 2008, , .		5
176	Employers' selection skills in recruiting fresh engineering graduates. , 2009, , .		5
177	A New Algorithm for the Available Transfer Capability Determination. Mathematical Problems in Engineering, 2010, 2010, 1-30.	0.6	5
178	Practical mitigation of voltage sag in distribution networks by combining network reconfiguration and DSTATCOM. , 2010, , .		5
179	Capacity Benefit Margin (CBM) assessment incorporating tie-line reliability. , 2010, , .		5
180	A New Protection Scheme for Distribution Network with Distributed Generations Using Radial Basis Function Neural Network. International Journal of Emerging Electric Power Systems, 2010, 11, .	0.6	5

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181	Development of an efficient photovoltaic maximum power point tracking controller. , 2011, , .		5
182	Design of hybrid PV/diesel generator systems at minimum cost: Case study for Kuching, Malaysia. , 2012, , .		5
183	Employability Skills Performance Score for Fresh Engineering Graduates in Malaysian Industry. Asian Social Science, 2012, 8, .	0.1	5
184	A novel coordinated control strategy of PV/BES system considering power smoothing. , 2013, , .		5
185	Power quality enhancement in distribution systems by optimal placement of dynamic voltage restorer. , 2013, , .		5
186	IMPROVED INDIRECT FIELD-ORIENTED CONTROL OF INDUCTION MOTOR DRIVE BASED PSO ALGORITHM. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	5
187	Control of Continuous Stirred Tank Reactor using Neural Networks. Indian Journal of Science and Technology, 2016, 9, .	0.5	5
188	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
189	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
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