

Azah Mohamed

List of Publications by Year in descending order

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271
papers

8,430
citations

71061

41
h-index

56687

83
g-index

274
all docs

274
docs citations

274
times ranked

7918
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hybrid Optimization Approach for the Enhancement of Efficiency of a Piezoelectric Energy Harvesting System. Electronics (Switzerland), 2021, 10, 75.	1.8	8
2	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
3	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
4	Fuzzy Logic Inverter Controller in Photovoltaic Applications: Issues and Recommendations. IEEE Access, 2019, 7, 24934-24955.	2.6	85
5	dSPACE Controller-Based Enhanced Piezoelectric Energy Harvesting System Using PI-Lightning Search Algorithm. IEEE Access, 2019, 7, 3610-3626.	2.6	13
6	Hydrogen Production Through Electrolysis. , 2019, , 799-818.		2
7	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
8	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
9	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
10	Review on Home Energy Management System Considering Demand Responses, Smart Technologies, and Intelligent Controllers. IEEE Access, 2018, 6, 24498-24509.	2.6	291
11	Optimization techniques to enhance the performance of induction motor drives: A review. Renewable and Sustainable Energy Reviews, 2018, 81, 1611-1626.	8.2	127
12	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
13	Switching Techniques and Intelligent Controllers for Induction Motor Drive: Issues and Recommendations. IEEE Access, 2018, 6, 47489-47510.	2.6	38
14	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
15	Artificial Intelligent Based Damping Controller Optimization for the Multi-Machine Power System: A Review. IEEE Access, 2018, 6, 39574-39594.	2.6	57
16	Hydrogen Production Through Electrolysis. , 2018, , 1-20.		0
17	A binary variant of lightning search algorithm: BLSA. Soft Computing, 2017, 21, 2971-2990.	2.1	17
18	Review of energy storage systems for electric vehicle applications: Issues and challenges. Renewable and Sustainable Energy Reviews, 2017, 69, 771-789.	8.2	660

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19	Optimal sizing of a standalone photovoltaic system for remote housing electrification using numerical algorithm and improved system models. <i>Energy</i> , 2017, 126, 392-403.	4.5	51
20	Real time optimal schedule controller for home energy management system using new binary backtracking search algorithm. <i>Energy and Buildings</i> , 2017, 138, 215-227.	3.1	156
21	Battery charge equalization controller in electric vehicle applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 1363-1385.	8.2	183
22	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
23	An application of backtracking search algorithm in designing power system stabilizers for large multi-machine system. <i>Neurocomputing</i> , 2017, 237, 175-184.	3.5	50
24	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.	5.2	46
25	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
26	Simplified I-V Characteristic Tester for Photovoltaic Modules Using a DC-DC Boost Converter. <i>Sustainability</i> , 2017, 9, 657.	1.6	30
27	Random Forest-Based Approach for Maximum Power Point Tracking of Photovoltaic Systems Operating under Actual Environmental Conditions. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-17.	1.1	13
28	Charge Equalization Controller Algorithm for Series-Connected Lithium-Ion Battery Storage Systems: Modeling and Applications. <i>Energies</i> , 2017, 10, 1390.	1.6	30
29	Optimal coordinated voltage control in active distribution networks using backtracking search algorithm. <i>PLoS ONE</i> , 2017, 12, e0177507.	1.1	4
30	Improved approach for electric vehicle rapid charging station placement and sizing using Google maps and binary lightning search algorithm. <i>PLoS ONE</i> , 2017, 12, e0189170.	1.1	20
31	AN IMPROVED MULTIDEVICE INTERLEAVED BOOST CONVERTER WITH NOVEL MULTIPLEX CONTROLLER FOR FUEL CELL. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 79, .	0.3	0
32	PSO OPTIMIZATION FOR SOLAR SYSTEM INVERTER CONTROLLER AND COMPARISON BETWEEN TWO CONTROLLER TECHNIQUES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	2
33	IMPROVED INDIRECT FIELD-ORIENTED CONTROL OF INDUCTION MOTOR DRIVE BASED PSO ALGORITHM. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	5
34	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
35	AN IMPROVED PERTURBATION AND OBSERVATION BASED MAXIMUM POWER POINT TRACKING METHOD FOR PHOTOVOLTAIC SYSTEMS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	2
36	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

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37	Harmonic Impact of Plug-In Hybrid Electric Vehicle on Electric Distribution System. Modelling and Simulation in Engineering, 2016, 2016, 1-7.	0.4	9
38	Control of Continuous Stirred Tank Reactor using Neural Networks. Indian Journal of Science and Technology, 2016, 9, .	0.5	5
39	Hybrid LSA-ANN Based Home Energy Management Scheduling Controller for Residential Demand Response Strategy. Energies, 2016, 9, 716.	1.6	69
40	A New Method for a Piezoelectric Energy Harvesting System Using a Backtracking Search Algorithm-Based PI Voltage Controller. Micromachines, 2016, 7, 171.	1.4	11
41	Impact of Battery's Model Accuracy on Size Optimization Process of a Standalone Photovoltaic System. Sustainability, 2016, 8, 894.	1.6	10
42	Improved Power System Stability Using Backtracking Search Algorithm for Coordination Design of PSS and TCSC Damping Controller. PLoS ONE, 2016, 11, e0146277.	1.1	8
43	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
44	Nonintrusive load identification using extreme learning machine and TT-transform. , 2016, , .		6
45	Designing a low voltage energy harvesting interface circuit utilizing piezoelectric vibration transducer. , 2016, , .		0
46	An optimization of rectangular shape piezoelectric energy harvesting cantilever beam for micro devices. International Journal of Applied Electromagnetics and Mechanics, 2016, 50, 537-548.	0.3	36
47	Power quality impacts of plug-in hybrid electric vehicles on distribution network. , 2016, , .		6
48	Artificial neural network based controller for home energy management considering demand response events. , 2016, , .		36
49	A comparative study of artificial intelligent-based maximum power point tracking for photovoltaic systems. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012014.	0.2	2
50	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
51	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
52	Gravitational search algorithm based tuning of a PI speed controller for an induction motor drive. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012001.	0.2	1
53	Optimized speed controller for induction motor drive using quantum lightning search algorithm. , 2016, , .		2
54	A novel coordinated control strategy considering power smoothing for a hybrid photovoltaic/battery energy storage system. Journal of Central South University, 2016, 23, 394-404.	1.2	5

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55	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
56	Impact study of plug-in electric vehicles on electric power distribution system. , 2015, , .		4
57	Backtracking search algorithm approach to improve indirect field-oriented control for induction motor drive. , 2015, , .		1
58	Smart plug prototype for monitoring electrical appliances in Home Energy Management System. , 2015, , .		26
59	Optimal modeling and sizing of a practical standalone PV/battery generation system using numerical algorithm. , 2015, , .		4
60	Cantilever beam vibration from fluid interactions with triangular shape blunt body for energy harvesting application. , 2015, , .		2
61	Optimal allocation of rapid charging stations for electric vehicles. , 2015, , .		18
62	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
63	Impact of Plug-in Hybrid Electric Vehicle on Power Distribution System Considering Vehicle to Grid Technology: A Review. Research Journal of Applied Sciences, Engineering and Technology, 2015, 10, 1404-1413.	0.1	9
64	A Novel Quantum-Behaved Lightning Search Algorithm Approach to Improve the Fuzzy Logic Speed Controller for an Induction Motor Drive. Energies, 2015, 8, 13112-13136.	1.6	30
65	A novel approach for fuzzy logic PV inverter controller optimization using lightning search algorithm. Neurocomputing, 2015, 168, 435-453.	3.5	36
66	Islanding detection and load shedding scheme for radial distribution systems integrated with dispersed generations. IET Generation, Transmission and Distribution, 2015, 9, 2261-2275.	1.4	33
67	Modeling of photovoltaic array using random forests technique. , 2015, , .		2
68	Performance comparison of PI and PI-fuzzy controller for grid-connected fuel cell inverter system. , 2015, , .		1
69	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
70	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
71	Performance Evaluation of Various Adaptive Neuro Fuzzy Inference System Based Maximum Power Point Tracking for Photovoltaic System. Applied Mechanics and Materials, 2015, 785, 215-219.	0.2	0
72	Performance comparison of neural networks for intelligent management of distributed generators in a distribution system. International Journal of Electrical Power and Energy Systems, 2015, 67, 179-190.	3.3	9

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73	Performance evaluation and characterization of a 3-kWp grid-connected photovoltaic system based on tropical field experimental results: new results and comparative study. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1047-1054.	8.2	64
74	Islanding detection in a distributed generation integrated power system using phase space technique and probabilistic neural network. <i>Neurocomputing</i> , 2015, 148, 587-599.	3.5	63
75	A novel controller for a voltage controlled voltage source inverter to mitigation voltage fluctuations measured at the point of common coupling. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 59, 216-226.	2.5	2
76	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
77	An Optimal Control Strategy for DC Bus Voltage Regulation in Photovoltaic System with Battery Energy Storage. <i>Scientific World Journal, The</i> , 2014, 2014, 1-16.	0.8	12
78	Comparative Study of Popular Objective Functions for Damping Power System Oscillations in Multimachine System. <i>Scientific World Journal, The</i> , 2014, 2014, 1-8.	0.8	4
79	Optimal Battery Sizing in Photovoltaic Based Distributed Generation Using Enhanced Opposition-Based Firefly Algorithm for Voltage Rise Mitigation. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11.	0.8	14
80	Performance of Facts Devices to Improve Power Quality and Application of Static Synchronous Compensator. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 1994-2003.	0.1	0
81	Performance Evaluation a Developed Energy Harvesting Interface Circuit in Active Technique. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 8, 1710-1718.	0.1	0
82	Optimal battery placement in photovoltaic based distributed generation using binary firefly algorithm for voltage rise mitigation. , 2014, , .		10
83	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
84	An improved gravitational search algorithm for optimal placement and sizing of renewable distributed generation units in a distribution system for power quality enhancement. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 033112.	0.8	18
85	PSO algorithm for Three Phase Induction Motor drive with SVPWM Switching and V/f Control. , 2014, , .		9
86	Impact of grid-connected photovoltaic generator using P-V curve and improved voltage stability index. , 2014, , .		8
87	Heuristic optimisation of state-of-charge feedback controller for hourly dispatch of hybrid PV/BES system. , 2014, , .		2
88	Correlation for estimating solar cell temperature based on a tropical field operation of a photovoltaic system. , 2014, , .		6
89	Hybrid electric vehicles and their challenges: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 135-150.	8.2	546
90	Optimal power quality monitor placement in power systems using an adaptive quantum-inspired binary gravitational search algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 57, 404-413.	3.3	36

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91	Optimum placement of active power conditioners by a dynamic discrete firefly algorithm to mitigate the negative power quality effects of renewable energy-based generators. International Journal of Electrical Power and Energy Systems, 2014, 61, 305-317.	3.3	26
92	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
93	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
94	Intelligent power management strategy of hybrid distributed generation system using artificial neural networks. , 2014, , .		1
95	Optimum placement of active power conditioner in distribution systems using improved discrete firefly algorithm for power quality enhancement. Applied Soft Computing Journal, 2014, 23, 249-258.	4.1	33
96	Novel quantum-inspired firefly algorithm for optimal power quality monitor placement. Frontiers in Energy, 2014, 8, 254-260.	1.2	19
97	A comparative study on the performance of custom power devices for power quality improvement. , 2014, , .		21
98	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
99	A novel single-phase phase space-based voltage mode controller for distributed static compensator to improve voltage profile of distribution systems. Energy Conversion and Management, 2014, 79, 449-455.	4.4	9
100	Optimum APC Placement and Sizing in Radial Distribution Systems Using Discrete Firefly Algorithm for Power Quality Improvement. , 2014, , 83-96.		0
101	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
102	Power swing and voltage collapse identification schemes for correct distance relay operation in power system. Journal of Central South University, 2013, 20, 988-1000.	1.2	8
103	Comparative study of effectiveness of different var compensation devices in large-scale power networks. Journal of Central South University, 2013, 20, 715-723.	1.2	10
104	Modelling and Simulation of a Single Phase Grid Connected Using Photovoltaic and Battery Based Power Generation. , 2013, , .		12
105	An enhanced premium power park configuration using active power and voltage conditioning devices. Control Engineering Practice, 2013, 21, 1542-1552.	3.2	4
106	Power quality performance of energy-efficient low-wattage LED lamps. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3783-3795.	2.5	60
107	Coordination of Overcurrent, Directional and Differential Relays for the Protection of Microgrid System. Procedia Technology, 2013, 11, 366-373.	1.1	26
108	Optimum D-STATCOM placement using firefly algorithm for power quality enhancement. , 2013, , .		40

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109	Gradient-based artificial bee colony for damping controllers design. , 2013, , .		0
110	Power Quality Impact of Renewable Energy based Generators and Electric Vehicles on Distribution Systems. Procedia Technology, 2013, 11, 11-17.	1.1	37
111	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
112	A review of photovoltaic systems size optimization techniques. Renewable and Sustainable Energy Reviews, 2013, 22, 454-465.	8.2	207
113	Optimal sizing of a PV/wind/diesel hybrid energy system for Malaysia. , 2013, , .		15
114	An optimal radial basis function neural network for fault location in a distribution network with high penetration of DG units. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3319-3327.	2.5	24
115	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
116	An image processing based method for power quality event identification. International Journal of Electrical Power and Energy Systems, 2013, 46, 184-197.	3.3	29
117	Multi-objective optimization based approaches for hybrid power filter design. , 2013, , .		3
118	New training strategies for RBF neural networks to determine fault location in a distribution network with DG units. , 2013, , .		7
119	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
120	SVC damping controller design based on firefly optimization algorithm in multi machine power system. , 2013, , .		6
121	Application of binary firefly algorithm for optimal power quality monitor positioning. , 2013, , .		4
122	Optimal placement and sizing of distributed generations in distribution systems for minimizing losses and THD _v using evolutionary programming. Turkish Journal of Electrical Engineering and Computer Sciences, 2013, 21, 2269-2282.	0.9	31
123	A novel coordinated control strategy of PV/BES system considering power smoothing. , 2013, , .		5
124	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
125	Power quality enhancement in distribution systems by optimal placement of dynamic voltage restorer. , 2013, , .		5
126	Power system stabilizer design using BAT optimization algorithm in multimachine power system. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
127	Effect of Network Parameters on the Injection Current Requirement of D-STATCOM Designed to Mitigate Voltage Sag. Research Journal of Applied Sciences, Engineering and Technology, 2013, 5, 161-166.	0.1	3
128	A Software Tool for Optimal Sizing of PV Systems in Malaysia. Modelling and Simulation in Engineering, 2012, 2012, 1-11.	0.4	18
129	Assessment of Artificial Neural Networks for Hourly Solar Radiation Prediction. International Journal of Photoenergy, 2012, 2012, 1-7.	1.4	32
130	Area-Based COI-Referred Rotor Angle Index for Transient Stability Assessment and Control of Power Systems. Abstract and Applied Analysis, 2012, 2012, 1-23.	0.3	7
131	Power quality monitor placement method using adaptive quantum-inspired binary gravitational search algorithm. , 2012, , .		9
132	Application of computational intelligence for diagnosing Power Quality disturbances. , 2012, , .		0
133	A New Approach for Optimal Sizing of Standalone Photovoltaic Systems. International Journal of Photoenergy, 2012, 2012, 1-7.	1.4	54
134	Solar Energy Prediction for Malaysia Using Artificial Neural Networks. International Journal of Photoenergy, 2012, 2012, 1-16.	1.4	46
135	Hopfield Neural Network Optimized Fuzzy Logic Controller for Maximum Power Point Tracking in a Photovoltaic System. International Journal of Photoenergy, 2012, 2012, 1-13.	1.4	25
136	A New Approach for Meteorological Variables Prediction at Kuala Lumpur, Malaysia, Using Artificial Neural Networks: Application for Sizing and Maintaining Photovoltaic Systems. Journal of Solar Energy Engineering, Transactions of the ASME, 2012, 134, .	1.1	8
137	Analysis and solutions of overcurrent protection issues in a microgrid. , 2012, , .		44
138	Design of hybrid PV/diesel generator systems at minimum cost: Case study for Kuching, Malaysia. , 2012, , .		5
139	A feasibility study for electricity generation using wind power systems in the Malaysian Borneo. , 2012, , .		0
140	Estimating Ambient Temperature for Malaysia Using Generalized Regression Neural Network. International Journal of Green Energy, 2012, 9, 195-201.	2.1	11
141	Analysis of voltage sag sensitivity of LED lamps. , 2012, , .		7
142	Methodologies of a Microgrid Testbed Using Renewable Energy Based Power Generation. , 2012, , .		4
143	Power quality improvement using an enhanced premium power park configuration. , 2012, , .		4
144	PSS and TCSC Damping Controller Coordinated Design Using GSA. Energy Procedia, 2012, 14, 763-769.	1.8	24

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145	An Assessment of Diffuse Solar Energy Models in Terms of Estimation Accuracy. Energy Procedia, 2012, 14, 2066-2074.	1.8	10
146	Sizing of a wind charger at minimum cost for remote housing electrification: A case study for nine coastal sites in Malaysia. Energy and Buildings, 2012, 51, 185-190.	3.1	10
147	An analysis of harmonics from LED lamps. , 2012, , .		32
148	An analysis of harmonic diversity factors applied to LED lamps. , 2012, , .		7
149	A novel protection coordination strategy using back tracking algorithm for distribution systems with high penetration of DG. , 2012, , .		13
150	An enhanced method for contribution assessment of utility and customer harmonic distortions in radial and weakly meshed distribution systems. International Journal of Electrical Power and Energy Systems, 2012, 43, 222-229.	3.3	28
151	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
152	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
153	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
154	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
155	Formulation in Evaluating the Technical Skills of Engineering Graduates. Procedia, Social and Behavioral Sciences, 2012, 60, 493-499.	0.5	6
156	Coordinated design of unified power flow controller and power system stabilizer to enhance power system stability. , 2012, , .		9
157	An Effective Particle Swarm Optimization for Global Optimization. Communications in Computer and Information Science, 2012, , 267-274.	0.4	0
158	Power quality impact of grid-connected photovoltaic generation system in distribution networks. , 2012, , .		37
159	Employability Skills Performance Score for Fresh Engineering Graduates in Malaysian Industry. Asian Social Science, 2012, 8, .	0.1	5
160	Graduate Studentsâ€™ Perspectives on Study Environment Based on Exit Survey. Asian Social Science, 2012, 8, .	0.1	3
161	An analysis of harmonics from dimmable LED lamps. , 2012, , .		25
162	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

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163	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
164	A review of solar energy modeling techniques. Renewable and Sustainable Energy Reviews, 2012, 16, 2864-2869.	8.2	247
165	A method for real power transfer allocation using multivariable regression analysis. Journal of Central South University, 2012, 19, 179-186.	1.2	2
166	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
167	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
168	A Review on Protection Schemes and Coordination Techniques in Microgrid System. Journal of Applied Sciences, 2012, 12, 101-112.	0.1	44
169	A Novel Quantum-inspired Binary Gravitational Search Algorithm in Obtaining Optimal Power Quality Monitor Placement. Journal of Applied Sciences, 2012, 12, 822-830.	0.1	28
170	Optimal Capacity and Placement of Wind Power Generation System Under Wind Speed Uncertainties: A Review. Journal of Applied Sciences, 2012, 12, 2107-2114.	0.1	0
171	Analysis of harmonic emission from dimmable compact fluorescent lamps. , 2011, , .		2
172	Modeling of wind speed and relative humidity for Malaysia using ANNs: Approach to estimate dust deposition on PV systems. , 2011, , .		3
173	Adaptive settings of distance protection to prevent mal-operation under severe voltage fluctuation. , 2011, , .		0
174	Voltage sag mitigation in distribution systems by using genetically optimized switching actions. , 2011, , .		0
175	Power system stabilizer design based on optimization techniques. , 2011, , .		4
176	Power swing detection for correct distance relay operation using S-transform and neural networks. , 2011, , .		2
177	Improved Harmony Search Algorithm for Optimal Placement and Sizing of Static Var Compensators in Power Systems. , 2011, , .		16
178	Determining exact fault location in a distribution network in presence of DGs using RBF neural networks. , 2011, , .		13
179	Low voltage ride through capability of fuel cell generation system connected to low voltage network. , 2011, , .		9
180	An automated protection method for distribution networks with distributed generations using radial basis function neural network. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
181	Optimal placement of power quality monitors in distribution systems using the topological monitor reach area. , 2011, , .		11
182	Development of an efficient photovoltaic maximum power point tracking controller. , 2011, , .		5
183	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
184	An effective power quality monitor placement method utilizing quantum-inspired particle swarm optimization. , 2011, , .		11
185	Coordinated design of PSS and SVC damping controller using CPSO. , 2011, , .		21
186	Optimal location of PSS using improved PSO with chaotic sequence. , 2011, , .		24
187	Postgraduate Alumni Survey of the Faculty of Engineering and Built Environment. Procedia, Social and Behavioral Sciences, 2011, 18, 110-117.	0.5	2
188	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
189	Intelligent detection of unstable power swing for correct distance relay operation using S-transform and neural networks. Expert Systems With Applications, 2011, 38, 14969-14975.	4.4	21
190	Power system stabilizer design using hybrid multi-objective particle swarm optimization with chaos. Journal of Central South University, 2011, 18, 1579-1588.	1.2	34
191	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
192	LEDs as energy efficient lighting systems: A detail review. , 2011, , .		20
193	Risk-based voltage collapse assessment using generalized regression neural network. , 2011, , .		1
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