Qinghua Wu

List of Publications by Citations

200 papers	4,026 citations	32 h-index	59 g-index
254 ext. papers	5,116 ext. citations	4.1 avg, IF	5.91 L-index

#	Paper	IF	Citations
200	Group Search Optimizer: An Optimization Algorithm Inspired by Animal Searching Behavior. *IEEE Transactions on Evolutionary Computation*, **2009**, 13, 973-990	15.6	478
199	. *IEEE Transactions on Power Systems*, **2012**, 27, 932-941	7	341
198	Wide-Area Damping Controller of FACTS Devices for Inter-Area Oscillations Considering Communication Time Delays. *IEEE Transactions on Power Systems*, **2014**, 29, 318-329	7	207
197	Electric Load Forecasting Based on Locally Weighted Support Vector Regression. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2010**, 40, 438-447		164
196	Delay-Dependent Stability Analysis of the Power System With a Wide-Area Damping Controller Embedded. *IEEE Transactions on Power Systems*, **2011**, 26, 233-240	7	157
195	Wide-Area Damping Controller for Power System Interarea Oscillations: A Networked Predictive Control Approach. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 27-36	4.8	138
194	Further Results on Delay-Dependent Stability of Multi-Area Load Frequency Control. *IEEE Transactions on Power Systems*, **2013**, 28, 4465-4474	7	131
193	Power Transformer Fault Classification Based on Dissolved Gas Analysis by Implementing Bootstrap and Genetic Programming. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2009**, 39, 69-79		93
192	. *IEEE Transactions on Power Systems*, **2018**, 33, 2239-2247	7	90
191	Association Rule Mining-Based Dissolved Gas Analysis for Fault Diagnosis of Power Transformers. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2009**, 39, 597-610		81
190	A Probabilistic Classifier for Transformer Dissolved Gas Analysis With a Particle Swarm Optimizer. *IEEE Transactions on Power Delivery*, **2008**, 23, 751-759	4.3	76
189	Optimal Harmonic Estimation Using A Particle Swarm Optimizer. *IEEE Transactions on Power Delivery*, **2008**, 23, 1166-1174	4.3	61
188	Bacterial Foraging Algorithm for Optimal Power Flow in Dynamic Environments. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 2433-2442	3.9	60
187	Deep Learning for Daily Peak Load Forecasting: A Novel Gated Recurrent Neural Network Combining Dynamic Time Warping. *IEEE Access*, **2019**, 7, 17184-17194	3.5	56
186	Morphological Lifting Scheme for Current Transformer Saturation Detection and Compensation. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 3349-3357	3.9	55
185	. *IEEE Transactions on Energy Conversion*, **2017**, 32, 1574-1582	5.4	52
184	Development of a Multisegment Coal Mill Model Using an Evolutionary Computation Technique. *IEEE Transactions on Energy Conversion*, **2007**, 22, 718-727	5.4	52

183	A Data-Driven Residual-Based Method for Fault Diagnosis and Isolation in Wind Turbines. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 895-904	8.2	47
182	Transformer Core Parameter Identification Using Frequency Response Analysis. *IEEE Transactions on Magnetics*, **2010**, 46, 141-149	2	47
181	Approximate Linear Power Flow Using Logarithmic Transform of Voltage Magnitudes With Reactive Power and Transmission Loss Consideration. *IEEE Transactions on Power Systems*, **2018**, 33, 4593-4603	7	46
180	Stability analysis for control systems with aperiodically sampled data using an augmented Lyapunov functional method. *IET Control Theory and Applications*, **2013**, 7, 1219-1226	2.5	43
179	A Hybrid Winding Model of Disc-Type Power Transformers for Frequency Response Analysis. *IEEE Transactions on Power Delivery*, **2009**, 24, 730-739	4.3	43
178	Perturbation Estimation Based Nonlinear Adaptive Control of a Full-Rated Converter Wind Turbine for Fault Ride-Through Capability Enhancement. *IEEE Transactions on Power Systems*, **2014**, 29, 2733-2743	7	42
177	Using mathematical morphology to discriminate between internal fault and inrush current of transformers. *IET Generation, Transmission and Distribution*, **2016**, 10, 73-80	2.5	41
176	A Morphological Scheme for Inrush Identification in Transformer Protection. *IEEE Transactions on Power Delivery*, **2009**, 24, 560-568	4.3	40
175	Teaching Genetic Algorithm Using Matlab. *International Journal of Electrical Engineering and Education*, **1999**, 36, 139-153	0.6	39
174	A Robust Optimization Approach for Demand Side Scheduling Considering Uncertainty of Manually Operated Appliances. *IEEE Transactions on Smart Grid*, **2018**, 9, 743-755	10.7	38
173	Dissolved gas analysis method based on novel feature prioritisation and support vector machine. *IET Electric Power Applications*, **2014**, 8, 320-328	1.8	35
172	Finite-Element Modeling for Analysis of Radial Deformations Within Transformer Windings. *IEEE Transactions on Power Delivery*, **2014**, 29, 2297-2305	4.3	33
171	Decentralized Adaptive Control of Interconnected Non-Linear Systems Using High Gain Observer. *International Journal of Control*, **2004**, 77, 703-712	1.5	33
170	Economic Dispatch With Non-Smooth Objectives—Part II: Dimensional Steepest Decline Method. *IEEE Transactions on Power Systems*, **2015**, 30, 722-733	7	32
169	. *IEEE Transactions on Power Systems*, **2014**, 29, 2905-2915	7	32
168	Co-Ordinated Multiloop Switching Control of DFIG for Resilience Enhancement of Wind Power Penetrated Power Systems. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 1089-1099	8.2	31
167	Robust Scheduling of Integrated Electricity and Heating System Hedging Heating Network Uncertainties. *IEEE Transactions on Smart Grid*, **2020**, 11, 1543-1555	10.7	31
166	Diagnosis of Multiple Open-Circuit Switch Faults Based on Long Short-Term Memory Network for DFIG-Based Wind Turbine Systems. *IEEE Journal of Emerging and Selected Topics in Power Electronics* , **2020**, 8, 2600-2610	5.6	29

165	Non-Intrusive Load Monitoring Using Additive Factorial Approximate Maximum a Posteriori Based on Iterative Fuzzy c -Means. *IEEE Transactions on Smart Grid*, **2019**, 10, 6667-6677	10.7	27
164	Optimal placement of FACTS devices by a Group Search Optimizer with Multiple Producer **2008**,		27
163	Economic Dispatch With Non-Smooth Objectives—Part I: Local Minimum Analysis. *IEEE Transactions on Power Systems*, **2015**, 30, 710-721	7	26
162	Voltage sensorless predictive direct power control of three-phase PWM converters. *IET Power Electronics*, **2016**, 9, 1009-1018	2.2	25
161	Downside Risk Constrained Probabilistic Optimal Power Flow With Wind Power Integrated. *IEEE Transactions on Power Systems*, **2016**, 31, 1649-1650	7	23
160	Design and Hardware-in-the-Loop Experiment of Multiloop Adaptive Control for DFIG-WT. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 7049-7059	8.9	22
159	An Identification Method Based on Mathematical Morphology for Sympathetic Inrush. *IEEE Transactions on Power Delivery*, **2018**, 33, 12-21	4.3	22
158	Forecasting electric daily peak load based on local prediction **2009**,		22
157	Optimal Power Flow With Dynamic Loads Using Bacterial Foraging Algorithm **2006**,		22
156	Adaptive sequential importance sampling technique for short-term composite power system adequacy evaluation. *IET Generation, Transmission and Distribution*, **2014**, 8, 730-741	2.5	21
155	Short-term local prediction of wind speed and wind power based on singular spectrum analysis and locality-sensitive hashing. *Journal of Modern Power Systems and Clean Energy*, **2018**, 6, 317-329	4	20
154	Identification of Power Disturbances Using Generalized Morphological Open-Closing and Close-Opening Undecimated Wavelet. *IEEE Transactions on Industrial Electronics*, **2015**, 1-1	8.9	20
153	Many-objective optimization for coordinated operation of integrated electricity and gas network. *Journal of Modern Power Systems and Clean Energy*, **2017**, 5, 350-363	4	18
152	A bacterial swarming algorithm for global optimization **2007**,		18
151	Robust Load Frequency Control of Power Systems Against Random Time-Delay Attacks. *IEEE Transactions on Smart Grid*, **2021**, 12, 909-911	10.7	18
150	Dual-Mode Control of AC/VSC-HVDC Hybrid Transmission Systems With Wind Power Integrated. *IEEE Transactions on Power Delivery*, **2015**, 30, 1686-1693	4.3	17
149	Optimal allocation of FACTS devices with multiple objectives achieved by bacterial swarming algorithm **2008**,		16
148	Robust Rotor-Current Sensorless Control of Doubly Fed Induction Generators. *IEEE Transactions on Energy Conversion*, **2018**, 33, 897-899	5.4	15

147	Optimal Capacity Configuration for Energy Hubs Considering Part-Load Characteristics of Generation Units. *Energies*, **2017**, 10, 1966	3.1	15
146	Ontology-based fault diagnosis for power transformers **2010**,		15
145	A novel intelligent particle optimizer for global optimization of multimodal functions **2007**,		15
144	Optimal reactive power dispatch with wind power integrated using group search optimizer with intraspecific competition and lévy walk. *Journal of Modern Power Systems and Clean Energy*, **2014**, 2, 308-318	4	13
143	Short-term wind speed prediction using support vector regression **2010**,		13
142	Current Transformer Saturation Detection Using Morphological Gradient and Morphological Decomposition and Its Hardware Implementation. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 4721-4729	8.9	12
141	Switching Control of Buck Converter Based on Energy Conservation Principle. *IEEE Transactions on Control Systems Technology*, **2016**, 24, 1779-1787	4.8	12
140	Detection of minor winding deformation fault in high frequency range for power transformer **2010**,		12
139	Multi-objective optimization by reinforcement learning for power system dispatch and voltage stability **2010**,		12
138	Modeling and Mitigation for High Frequency Switching Transients Due to Energization in Offshore Wind Farms. *Energies*, **2016**, 9, 1044	3.1	12
137	A Bayesian network approach to power system asset management for transformer dissolved gas analysis **2008**,		11
136	Optimal Bidding Strategies in Electricity Markets Using Reinforcement Learning. *Electric Power Components and Systems*, **2004**, 32, 175-192	1	11
135	Impact Factor Identification for Switching Overvoltage in an Offshore Wind Farm by Analyzing Multiple Ignition Transients. *IEEE Access*, **2019**, 7, 64651-64662	3.5	10
134	Maximum Power Point Scanning for PV Systems Under Various Partial Shading Conditions. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2556-2566	8.2	10
133	Multi-objective optimization by learning automata. *Journal of Global Optimization*, **2013**, 55, 459-487	1.5	10
132	An adaptive wide-area damping controller based on generalized predictive control and model identification **2009**,		10
131	A morphological scheme for the correction of CT saturation waveforms **2011**,		10
130	Assessment of an integrated energy system embedded with power-to-gas plant **2016**,		10

129	Optimal location of PEVCSs using MAS and ER approach. *IET Generation, Transmission and Distribution*, **2018**, 12, 4377-4387	2.5	10
128	Identification of Dominant Low Frequency Oscillation Modes Based on Blind Source Separation. *IEEE Transactions on Power Systems*, **2017**, 32, 4774-4782	7	9
127	Optimal location of FACTS devices by a Bacterial Swarming Algorithm for reactive power planning **2007**,		9
126	Forecasting a short-term wind speed using a deep belief network combined with a local predictor. *IEEJ Transactions on Electrical and Electronic Engineering*, **2019**, 14, 238-244	1	9
125	Sensor Fault Tolerance Enhancement of DFIG-WTs via Perturbation Observer-Based DPC and Two-Stage Kalman Filters. *IEEE Transactions on Energy Conversion*, **2018**, 33, 483-495	5.4	8
124	Switching Control of GSC of DFIGWTs for Disturbance Rejection Based on BangBang Control. *IEEE Transactions on Power Delivery*, **2018**, 33, 3256-3259	4.3	8
123	Online Area Load Modeling in Power Systems Using Enhanced Reinforcement Learning. *Energies*, **2017**, 10, 1852	3.1	8
122	Design of wide-area damping controllers based on networked predictive control considering communication delays **2010**,		8
121	Fast compensation of current transformer saturation **2010**,		8
120	Symmetrical Short-Circuit Parameters Comparison of DFIGWT. *International Journal of Electrical and Computer Engineering Systems*, **2017**, 8, 77-83	0.4	8
119	A Hybrid Least-square Support Vector Machine Approach to Incipient Fault Detection for Oil-immersed Power Transformer. *Electric Power Components and Systems*, **2014**, 42, 453-463	1	7
118	Support vector regression-based short-term wind power prediction with false neighbours filtered **2013**,		7
117	CCM-DCM average current control for both continuous and discontinuous conduction modes boost PFC converters **2017**,		7
116	A phase selector based on mathematical morphology for double circuit transmission lines **2008**,		7
115	Stochastic optimization of cost-risk for integrated energy system considering wind and solar power correlated. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 1472-1483	4	6
114	Multi-Objective Optimization for Coordinated Day-Ahead Scheduling Problem of Integrated Electricity-Natural Gas System With Microgrid. *IEEE Access*, **2020**, 8, 86788-86796	3.5	6
113	Detection and classification of power quality disturbances in time domain using probabilistic neural network **2016**,		6
112	Towards Many-Objective Optimization: Objective Analysis, Multi-Objective Optimization and Decision-Making. *IEEE Access*, **2019**, 7, 93742-93751	3.5	6

111	Switching Fault-Tolerant Control for DFIG-Based Wind Turbines With Rotor and Stator Current Sensor Faults. *IEEE Access*, **2019**, 7, 103390-103403	3.5	6
110	Development of Novel Robust Regulator for Maximum Wind Energy Extraction Based upon Perturbation and Observation. *Energies*, **2017**, 10, 569	3.1	6
109	Constrained optimization applying decomposed unlimited point method based on KKT condition **2013**,		6
108	Stochastic Optimal Power Flow using a Paired-Bacteria Optimizer **2010**,		6
107	Simulated Bacterially-Inspired Problem Solving The Behavioural Domain. *Natural Computing*, **2006**, 5, 43-65	1.3	6
106	Decentralized State Estimation of Combined Heat and Power System Considering Communication Packet Loss. *Journal of Modern Power Systems and Clean Energy*, **2020**, 8, 646-656	4	6
105	CT saturation detection and compensation using mathematical morphology and linear regression **2016**,		6
104	Primary frequency control of DFIG-WTs using bang-bang phase angle controller. *IET Generation, Transmission and Distribution*, **2018**, 12, 2670-2678	2.5	6
103	A Data-Driven Method for Fault Detection and Isolation of the Integrated Energy-Based District Heating System. *IEEE Access*, **2020**, 8, 23787-23801	3.5	5
102	Skewness-Based Differential Protection Scheme for EHV/UHV Transmission Lines. *IEEE Transactions on Power Delivery*, **2014**, 29, 1518-1520	4.3	5
101	Disturbance identification based on mathematical morphology and radial coordinate visualization **2013**,		5
100	Power system dispatch with wind power integrated using mean-variance model and group search optimizer **2014**,		5
99	Detection and classification of low-frequency power disturbances using a morphological max-lifting scheme **2013**,		5
98	High-dimensional Function Optimisation by Reinforcement Learning **2010**,		5
97	An agent brokering-based scheme for anti-islanding protection of distributed generation **2009**,		5
96	Delay-dependent stability for load frequency control with constant and time-varying delays **2009**,		5
95	Power System Load Modeling by Evolutionary Computation Based on System Measurements. *Electric Power Components and Systems*, **2003**, 31, 423-439	1	5
94	e-Automation, an architecture for distributed industrial automation systems. *International Journal of Automation and Computing*, **2004**, 1, 17-25	3.5	5

93	An improved Lyapunov function for power system stability analysis. *International Journal of Control*, **1996**, 65, 791-802	1.5	5
92	Optimal operation of energy hubs in an integrated energy network considering multiple energy carriers **2016**,		5
91	Short-term Load Forecasting Using Deep Belief Network with Empirical Mode Decomposition and Local Predictor **2018**,		5
90	Wind power forecast with error feedback and its economic benefit in power system dispatch. *IET Generation, Transmission and Distribution*, **2018**, 12, 5730-5738	2.5	5
89	Estimation of Low Frequency Oscillation Parameters Using Singular Value Decomposition Combined Group Search Optimizer. *Electric Power Components and Systems*, **2019**, 47, 275-287	1	4
88	A Data-Driven Diagnosis Method of Open-Circuit Switch Faults for PMSG-Based Wind Generation System **2019**,		4
87	Feature selection in power transformer fault diagnosis based on dissolved gas analysis **2013**,		4
86	Power quality disturbance detection based on morphology singular entropy **2015**,		4
85	Capacity configuration optimization for island microgrid with wind/solar/pumped storage considering demand response **2015**,		4
84	Load frequency control with dynamic demand control for deregulated power system **2014**,		4
83	Inrush identification by applying improved Morphological Gradient Algorithm **2013**,		4
82	Identification of current transformers saturation intervals using morphological gradient and morphological decomposition **2013**,		4
81	Fast identification of power transformer magnetizing inrush currents based on mathematical morphology and ANN **2011**,		4
80	Function Optimization by Reinforcement Learning for power system dispatch and voltage stability **2010**,		4
79	Derivation of a complete transfer function for a wind turbine generator system by experiments **2011**,		4
78	Risk-oriented preventive control of transmission lines overload **2012**,		4
77	An adaptive distance relaying algorithm with a morphological fault detector embedded **2009**,		4
76	A Fast Bacterial Swarming Algorithm for high-dimensional function optimization **2008**,		4

75	Observer-based nonlinear control of a torque motor with perturbation estimation. *International Journal of Automation and Computing*, **2006**, 3, 84-90	3.5	4
74	Fast training of Support Vector Machines using error-center-based optimization. *International Journal of Automation and Computing*, **2005**, 2, 6-12	3.5	4
73	Real-time recognition of power quality disturbance-based deep belief network using embedded parallel computing platform. *IEEJ Transactions on Electrical and Electronic Engineering*, **2020**, 15, 519-526	1	4
72	Switching Fault Ride-Through of GSCs Via Observer-Based Bang-Bang Funnel Control. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7442-7446	8.9	4
71	Typical current modelling and feature extraction of high voltage circuit breaker towards condition analysis and fault diagnosis. *IET Generation, Transmission and Distribution*, **2020**, 14, 1521-1527	2.5	3
70	Mathematical morphology-based single phase-to-ground fault feeder selector for a resonant grounded distribution system. *IEEJ Transactions on Electrical and Electronic Engineering*, **2018**, 13, 517-518	1	3
69	Operating mechanism for profit improvement of a smart microgrid based on dynamic demand response. *IET Smart Grid*, **2019**, 2, 364-370	2.7	3
68	A feedback linearization control strategy for maximum power point tracking of a PMSG based wind turbine **2013**,		3
67	Energy Balance Control of a Cascaded Multilevel Inverter for Standalone Solar Photovoltaic Applications. *Energies*, **2017**, 10, 1805	3.1	3
66	Power quality disturbance identification using morphological pattern spectrum and probabilistic neural network **2015**,		3
65	Detection and classification of power disturbances using mathematical morphology with trapezoid structuring elements and signal envelopes **2014**,		3
64	Optimal coordinated control of PSS and STATCOM in a multimachine power system **2014**,		3
63	Networked predictive control based wide-area supplementary damping controller of SVC with communication delays compensation **2013**,		3
62	Fast identification of inrush current using a weighted morphological approach **2013**,		3
61	Integrating KPCA and locally weighted support vector regression for short-term load forecasting **2010**,		3
60	A novel mathematical morphology filter for the accurate fault location in power transmission lines **2009**,		3
59	Sliding Mode Control of Robot Manipulators Based on Sliding Mode Perturbation Observation. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2006**, 220, 201-210	1	3
58	Power system aggregate load area modelling by particle swarm optimization. *International Journal of Automation and Computing*, **2005**, 2, 171-178	3.5	3

57	Short-term wind power prediction based on intrinsic time-scale decomposition and LS-SVM **2016**,		3
56	Optimal power and gas dispatch of the integrated electricity and natural gas networks **2016**,		3
55	Control of DFIG Rotor-Side Converter With Decoupling of Current Loops Using Observer-Based Fractional-Order Sliding-Mode Regulators. *IEEE Access*, **2019**, 7, 163412-163420	3.5	3
54	Decentralized Detection and Mitigation of Multiple False Data Injection Attacks in Multi-area Power Systems. *IEEE Journal of Emerging and Selected Topics in Industrial Electronics*, **2021**, 1-1	2.6	3
53	Real-Time Detection of Cyber-Physical False Data Injection Attacks on Power Systems. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 6810-6819	11.9	3
52	Short-term load forecasting using Support Vector Regression-based Local Predictor **2015**,		2
51	. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 3512-3520	3.9	2
50	A morphological filter-based local prediction method with multi-variable inputs for short-term load forecast **2017**,		2
49	Individual-based model for an integrated energy-based water-heating system **2014**,		2
48	Optimal power flow using group search optimizer with intraspecific competition and y walk **2013**,		2
47	Energy balance analysis and control for boost converters **2017**,		2
46	Voltage sensorless predictive direct power control for renewable energy integration under grid fault conditions **2015**,		2
45	Dynamic economic dispatch with wind power penetration using group search optimizer with adaptive strategies **2014**,		2
44	A novel approach to power transformer fault diagnosis based on ontology and Bayesian network **2014**,		2
43	Modeling of a central heating electric boiler integrated with a stand-alone wind generator **2013**,		2
42	Integrated maintenance scheduling of generators and transmission lines based on fast group searching optimizer **2011**,		2
41	Optimal power flow with environmental constraints using paired bacterial optimizer **2011**,		2
40	Multi-objective optimisation by reinforcement learning **2010**,		2

39	Instance Seriation for Prototype Abstraction **2010**,		2
38	Decaying DC offset removal operator using mathematical morphology for phasor measurement **2010**,		2
37	Frequency response analysis of power transformer winding deformation based on a hybrid model **2011**,		2
36	Implementation of Gaia methodology for multi-agent based transformer condition monitoring **2012**,		2
35	A novel Genetic Particle-Pair Optimizer for Vector Quantization in image coding **2008**,		2
34	Dispatching **1999**,		2
33	Relaxed Alternating Direction Method of Multipliers for Hedging Communication Packet Loss in Integrated Electrical and Heating System. *Journal of Modern Power Systems and Clean Energy*, **2020**, 8, 874-883	4	2
32	Maximum power point tracking of DFIG-WT using feedback linearization control based current regulators **2016**,		2
31	Stochastic day-ahead generation scheduling with pumped-storage stations and wind power integrated **2016**,		2
30	On-line Transmission Line Fault Classification using Long Short-Term Memory **2019**,		2
29	Resilient Economic Control for Distributed Microgrids Under False Data Injection Attacks. *IEEE Transactions on Smart Grid*, **2021**, 12, 4435-4446	10.7	2
28	Modified Carbon Trading Based Low-carbon Economic Dispatch Strategy for Integrated Energy System with CCHP **2019**,		1
27	Robust Current Sensorless Control of VSC-based MTDC Transmissions for Integrating Wind Farms. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1	5.6	1
26	Parameter optimization of PID controllers by reinforcement learning **2013**,		1
25	Unscented transformation-based fast scheduling optimization for large-scale unit commitment considering uncertainties of wind and solar power **2017**,		1
24	Exponentially decaying DC offset removal for phasor measurement using second-order differential. *IEEJ Transactions on Electrical and Electronic Engineering*, **2015**, 10, 726-728	1	1
23	Hybrid quadratic programming and compact formulation method for economic dispatch with prohibited operating zones and network losses **2015**,		1
22	Virtual-flux-based predictive direct power control of three-phase AC/DC converters **2014**,		1

21	Multi-kernel support vector classifier for fault diagnosis of transformers **2011**,		1
20	Optimal power flow in wind power integrated systems using function optimization by learning automata **2011**,		1
19	Optimal morphological filter design using a bacterial swarming algorithm **2008**,		1
18	Optimal harmonic estimation Using Dynamic Bacterial Swarming Algorithm **2008**,		1
17	Requantization codebook design using particle-pair optimizer **2008**,		1
16	Improving Control Ability of Relay Protection System with Intelligent Agents **2006**,		1
15	Modeling of a Power Transformer Winding for Deformation Detection Based on Frequency Response Analysis **2006**,		1
14	Revenue Reconciliation for Spot Pricing: Implementation and Implication. *Electric Power Components and Systems*, **2004**, 32, 53-73	1	1
13	Signal-to-Signal Translation for Fault Diagnosis of Bearings and Gears With Few Fault Samples. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	1
12	Distributed Multi-Area Economic Dispatch Considering Reactive Power Using Critical Region Projection **2020**,		1
11	An adaptive morphological lifting wavelet and its application on power disturbances detection **2016**,		1
10	Duty Cycle-Based Differential Protection Scheme for Power Transformers. *IEEE Transactions on Power Delivery*, **2021**, 1-1	4.3	1
9	Co-simulation for Cyber-Physical Distribution Network Under Cyber Attacks **2018**,		1
8	Analyzing the correlation and predictability of wind speed series based on mutual information. *IEEJ Transactions on Electrical and Electronic Engineering*, **2018**, 13, 1829-1830	1	1
7	Investigation on Switching Overvoltage in an Offshore Wind Farm and Its Mitigation Methods Based on Laboratory Experiments **2018**,		1
6	BFA based neural network for image compression. *Journal of Electronics*, **2008**, 25, 405-408		0
5	Transformer inrush identification based on improved mathematical gradient with dissociative structuring element. *IEEJ Transactions on Electrical and Electronic Engineering*, **2020**, 15, 1126-1127	1	
4	Open-end transformer-based power tap for interconnection of AC/DC micro-grids. *IET Power Electronics*, **2018**, 11, 1169-1177	2.2	

3	Improved Energy Balance Control for Boost Converters Without Estimating Circuit Energy Losses. *IEEE Access*, **2020**, 8, 146323-146330	3.5
2	Bifurcation Control Method for Buck-Boost Converters based on Energy Balance Principle. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6
1	A modified Ward equivalent based on sensitivity matrices for static security analysis. *IEEJ Transactions on Electrical and Electronic Engineering*, **2018**, 13, 1675-1676	1