

Loi Lei Lai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213 papers	3,033 citations	29 h-index	46 g-index
286 ext. papers	4,190 ext. citations	5.8 avg, IF	6.18 L-index

#	Paper	IF	Citations
213	Distributed Robust Model Predictive Control-Based Energy Management Strategy for Islanded Multi-Microgrids Considering Uncertainty. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	5
212	An unsupervised data-driven approach for behind-the-meter photovoltaic power generation disaggregation. <i>Applied Energy</i> , 2022 , 309, 118450	10.7	2
211	A new deregulated demand response scheme for load over-shifting city in regulated power market. <i>Applied Energy</i> , 2022 , 311, 118337	10.7	2
210	A novel acceleration criterion for remote-end grounding-fault in MMC-MTDC under communication anomalies. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 141, 108131	5.1	1
209	Semi AI-based protection element for MMC-MTDC using local-measurements. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 142, 108310	5.1	1
208	Fusing Local and Global Information for One-Step Multi-View Subspace Clustering. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5094	2.6	2
207	Blockchain Applications in Microgrid Clusters 2021 , 265-305		1
206	A Narrowband Internet of Thing-Based Temperature Prediction for Valve-regulated Lead Acid Battery 2021 , 345-363		
205	An Innovative Coalitional Trading Model for a Biomass Power Plant Paired with Green Energy Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 1-1	8.2	2
204	Hierarchical Pigeon-Inspired Optimization-based MPPT Method for Photovoltaic Systems under Complex Partial Shading Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
203	Arbitrary-Oriented Detection of Insulators in Thermal Imagery via Rotation Region Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
202	Smart City 2021 , 1-171		0
201	A Distributed Transaction Method for Mitigating Three-phase Imbalance by Scheduling Electric Vehicle Charging 2021 ,		1
200	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2036-2040	7.3	0
199	A Review on Thermal Energy Modelling for Optimal Microgrids Management. <i>Thermo</i> , 2021 , 1, 63-76		1
198	A stochastic sensitivity-based multi-objective optimization method for short-term wind speed interval prediction. <i>International Journal of Machine Learning and Cybernetics</i> , 2021 , 12, 2579-2590	3.8	3
197	Coordinated Operation of Electricity and Natural Gas Networks with Consideration of Congestion and Demand Response. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4987	2.6	1

196	A novel fast-charging stations locational planning model for electric bus transit system. <i>Energy</i> , 2021 , 224, 120106	7.9	20
195	Fault Diagnosis Approach of Main Drive Chain in Wind Turbine Based on Data Fusion. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5804	2.6	2
194	Reliability Analyses of Wide-Area Protection System Considering Cyber-Physical System Constraints. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3458-3467	10.7	2
193	. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 9, 118-130	3.3	4
192	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4624-4634	11.9	13
191	Electricity trading based on distribution locational marginal price. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 124, 106322	5.1	9
190	Distributed Model Predictive Control Strategy for Islands Multimicrogrids Based on Noncooperative Game. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3803-3814	11.9	15
189	Economic and financial appraisal of novel large-scale energy storage technologies. <i>Energy</i> , 2021 , 214, 118954	7.9	27
188	Multi-View Neural Network Ensemble for Short and Mid-Term Load Forecasting. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 2992-3003	7	8
187	Valuing the option to prototype: A case study with Generation Integrated Energy Storage. <i>Energy</i> , 2021 , 217, 119290	7.9	6
186	Are energy policies for supporting low-carbon power generation killing energy storage?. <i>Journal of Cleaner Production</i> , 2021 , 280, 124626	10.3	4
185	Optimal sizing of battery energy storage system in smart microgrid considering virtual energy storage system and high photovoltaic penetration. <i>Journal of Cleaner Production</i> , 2021 , 281, 125308	10.3	25
184	A review on long-term electrical power system modeling with energy storage. <i>Journal of Cleaner Production</i> , 2021 , 280, 124298	10.3	29
183	Smart coordination of virtual energy storage systems for distribution network management. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106816	5.1	3
182	Augmented Power Dispatch for Resilient Operation through Controllable Series Compensation and N-1-1 Contingency Assessment. <i>Energies</i> , 2021 , 14, 4756	3.1	0
181	Operation Strategy for Electric Vehicle Battery Swap Station Cluster Participating in Frequency Regulation Service. <i>Processes</i> , 2021 , 9, 1513	2.9	1
180	Transmission Line Fault-Cause Identification Based on Hierarchical Multiview Feature Selection. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7804	2.6	1
179	Deep autoencoder with localized stochastic sensitivity for short-term load forecasting. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 130, 106954	5.1	4

178	A deep learning based hybrid method for hourly solar radiation forecasting. <i>Expert Systems With Applications</i> , 2021 , 177, 114941	7.8	16
177	Multi-view deep forecasting for hourly solar irradiance with error correction. <i>Solar Energy</i> , 2021 , 228, 308-316	6.8	1
176	Hierarchical multiple time scales cyber-physical modeling of demand-side resources in future electricity market. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 133, 107184	5.1	0
175	Day-ahead and Intraday Dispatch of an Integrated Biomass-Concentrated Solar System: A Multi-Objective Risk-Controlling Approach. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	10
174	A Novel Power Market Mechanism Based on Blockchain for Electric Vehicle Charging Stations. <i>Electronics (Switzerland)</i> , 2021 , 10, 307	2.6	9
173	. <i>IEEE Access</i> , 2021 , 9, 6137-6151	3.5	3
172	A Two-Stage Game-Theoretic Method for Residential PV Panels Planning Considering Energy Sharing Mechanism. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3562-3573	7	22
171	A dynamic particles MPPT method for photovoltaic systems under partial shading conditions. <i>Energy Conversion and Management</i> , 2020 , 220, 113070	10.6	19
170	Reliability Modeling and Assessment of Cyber Space in Cyber-Physical Power Systems. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3763-3773	10.7	13
169	A Multi-Agent Reinforcement Learning-Based Data-Driven Method for Home Energy Management. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3201-3211	10.7	81
168	Transactive Energy Trading in Reconfigurable Multi-carrier Energy Systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020 , 8, 67-76	4	11
167	Low-rank matrix regression for image feature extraction and feature selection. <i>Information Sciences</i> , 2020 , 522, 214-226	7.7	13
166	. <i>IEEE Access</i> , 2020 , 8, 85923-85938	3.5	3
165	Power system state estimation using conditional generative adversarial network. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5823-5833	2.5	1
164	Latent multi-view semi-supervised classification by using graph learning. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2020 , 18, 2050039	0.9	0
163	Load forecasting based on deep neural network and historical data augmentation. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5927-5934	2.5	11
162	Dynamic modeling, sensitivity assessment, and design of VSC-based microgrids with composite loads. <i>Journal of Power Electronics</i> , 2020 , 20, 245-259	0.9	1
161	Electricity plan recommender system with electrical instruction-based recovery. <i>Energy</i> , 2020 , 203, 117775	7.5	6

160	Photovoltaic Output Power Estimation and Baseline Prediction Approach for a Residential Distribution Network with Behind-the-Meter Systems. <i>Forecasting</i> , 2020 , 2, 470-487	2.3	5
159	Optimal Kernel ELM and Variational Mode Decomposition for Probabilistic PV Power Prediction. <i>Energies</i> , 2020 , 13, 3592	3.1	8
158	A Review of Technical Standards for Smart Cities. <i>Clean Technologies</i> , 2020 , 2, 290-310	3.4	71
157	Energy Transaction for Multi-Microgrids and Internal Microgrid Based on Blockchain. <i>IEEE Access</i> , 2020 , 8, 144362-144372	3.5	16
156	Optimal Sizing of Battery Energy Storage System in Smart Microgrid with Air-conditioning Resources 2020 ,		2
155	Decentralized Finite Control Set Model Predictive Control Strategy of Microgrids for Unbalanced and Harmonic Power Management. <i>IEEE Access</i> , 2020 , 8, 202298-202311	3.5	6
154	An Interval Mathematic-Based Methodology for Reliable Resilience Analysis of Power Systems in the Presence of Data Uncertainties. <i>Energies</i> , 2020 , 13, 6632	3.1	1
153	Reconfigurable Distribution Network for Managing Transactive Energy in a Multi-Microgrid System. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 1286-1295	10.7	34
152	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 590-601	10.7	15
151	Sparse discriminative least squares regression model. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2019 , 17, 1950028	0.9	
150	Levelized cost of electricity considering electrochemical energy storage cycle-life degradations. <i>Energy Procedia</i> , 2019 , 158, 3308-3313	2.3	4
149	Axial-flux permanent-magnet synchronous generator with coreless armature and non-integral coil/pole ratio. <i>IET Renewable Power Generation</i> , 2019 , 13, 245-252	2.9	7
148	Enhancing photovoltaic hosting capacity: A stochastic approach to optimal planning of static var compensator devices in distribution networks. <i>Applied Energy</i> , 2019 , 238, 952-962	10.7	30
147	A financial model for lithium-ion storage in a photovoltaic and biogas energy system. <i>Applied Energy</i> , 2019 , 251, 113179	10.7	31
146	Virtual Storage-Based DSM With Error-Driven Prediction Modulation for Microgrids. <i>IEEE Access</i> , 2019 , 7, 71109-71118	3.5	5
145	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1588-1597	11.9	25
144	A robust correlation analysis framework for imbalanced and dichotomous data with uncertainty. <i>Information Sciences</i> , 2019 , 470, 58-77	7.7	31
143	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9918-9927	8.9	46

142	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4819-4829	11.9	20
141	Two-stage optimal scheduling of air conditioning resources with high photovoltaic penetrations. <i>Journal of Cleaner Production</i> , 2019 , 241, 118407	10.3	14
140	Revisit Neural Network based Load Forecasting 2019 ,		1
139	Hybrid dual-complementary metaloxide semiconductor/memristor synapse-based neural network with its applications in image super-resolution. <i>IET Circuits, Devices and Systems</i> , 2019 , 13, 1241-1248	1.1	12
138	Integrated Electricity and Natural Gas System for Day-Ahead Scheduling 2019 ,		1
137	A review of enabling methodologies for information processing in smart grids. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 107, 516-522	5.1	15
136	Joint sparse matrix regression and nonnegative spectral analysis for two-dimensional unsupervised feature selection. <i>Pattern Recognition</i> , 2019 , 89, 119-133	7.7	21
135	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5050-5059	11.9	20
134	Co-Simulation of Distributed Smart Grid Software Using Direct-Execution Simulation. <i>IEEE Access</i> , 2018 , 6, 20531-20544	3.5	14
133	Utilisation of kinetic energy from wind turbine for grid connections: a review paper. <i>IET Renewable Power Generation</i> , 2018 , 12, 615-624	2.9	21
132	. <i>IEEE Access</i> , 2018 , 6, 21991-22010	3.5	3
131	. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 5604-5614	7	35
130	Semi-supervised graph-based retargeted least squares regression. <i>Signal Processing</i> , 2018 , 142, 188-193	4.4	3
129	A collaborative-competitive representation based classifier model. <i>Neurocomputing</i> , 2018 , 275, 627-635	5.4	24
128	Sparse structural feature selection for multitarget regression. <i>Knowledge-Based Systems</i> , 2018 , 160, 200-209	7.9	6
127	A general memristor-based pulse coupled neural network with variable linking coefficient for multi-focus image fusion. <i>Neurocomputing</i> , 2018 , 308, 172-183	5.4	32
126	Graph-based multiple rank regression for image classification. <i>Neurocomputing</i> , 2018 , 315, 394-404	5.4	7
125	Classifier economics of Semi-Intrusive Load Monitoring. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 103, 224-232	5.1	10

124	A constrained least squares regression model. <i>Information Sciences</i> , 2018 , 429, 247-259	7.7	15
123	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2452-2462	11.9	39
122	Resilience-Constrained Economic Dispatch for Blackout Prevention. <i>IFAC-PapersOnLine</i> , 2018 , 51, 450-455.	7	1
121	SGL-RFS: Semi-Supervised Graph Learning Robust Feature Selection 2018 ,		2
120	Load Forecasting based on Deep Long Short-term Memory with Consideration of Costing Correlated Factor 2018 ,		4
119	Two-stage energy management for networked microgrids with high renewable penetration. <i>Applied Energy</i> , 2018 , 226, 39-48	10.7	105
118	Levelized cost of electricity for solar photovoltaic and electrical energy storage. <i>Applied Energy</i> , 2017 , 190, 191-203	10.7	245
117	Adaptive partitioning approach to self-sustained smart grid. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 485-494	2.5	8
116	. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 2322-2332	11.9	34
115	Levelized cost of electricity for photovoltaic/biogas power plant hybrid system with electrical energy storage degradation costs. <i>Energy Conversion and Management</i> , 2017 , 153, 34-47	10.6	56
114	. <i>IEEE Transactions on Services Computing</i> , 2017 , 1-1	4.8	4
113	An effective secondary decomposition approach for wind power forecasting using extreme learning machine trained by crisscross optimization. <i>Energy Conversion and Management</i> , 2017 , 150, 108-121	10.6	55
112	Robust subspace learning method for hyperspectral image classification. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2017 , 15, 1750060	0.9	
111	Guest Editorial - Special Section on Emerging Informatics for Risk Hedging and Decision Making in Smart Grids. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 2507-2510	11.9	1
110	Reliability Evaluation of Communication-Constrained Protection Systems Using Stochastic-Flow Network Models. <i>IEEE Transactions on Smart Grid</i> , 2017 , 1-1	10.7	9
109	Sizing of Stand-Alone Solar PV and Storage System With Anaerobic Digestion Biogas Power Plants. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2112-2121	8.9	58
108	Optimal PMU placement considering state estimation uncertainty and voltage controllability. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 4465-4475	2.5	18
107	Energy internet in smart city review 2017 ,		2

106	A comprehensive review on large-scale photovoltaic system with applications of electrical energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 78, 439-451	16.2	100
105	Daily clearness index profiles and weather conditions studies for photovoltaic systems. <i>Energy Procedia</i> , 2017 , 142, 77-82	2.3	7
104	A time-synchronized ZigBee building network for smart water management 2017 ,		2
103	Interference-Mitigated ZigBee-Based Advanced Metering Infrastructure. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 672-684	11.9	36
102	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 872-882	11.9	52
101	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 820-823	11.9	6
100	Nonparametric conditional interval forecasts for PV power generation considering the temporal dependence 2016 ,		2
99	A novel probabilistic approach for evaluating fault ride-through capability of wind generation 2016 ,		3
98	2016 ,		3
97	A speedy cardiovascular diseases classifier using multiple criteria decision analysis. <i>Sensors</i> , 2015 , 15, 1312-20	3.8	8
96	Shifting Boundary for price-based residential demand response and applications. <i>Applied Energy</i> , 2015 , 146, 353-370	10.7	18
95	Powering China's Sustainable Development with Renewable Energies: Current Status and Future Trend. <i>Electric Power Components and Systems</i> , 2015 , 43, 1193-1204	1	20
94	Novel Active Time-Based Demand Response for Industrial Consumers in Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1564-1573	11.9	39
93	Security constrained unit commitment-based power system dispatching with plug-in hybrid electric vehicles 2015 ,		5
92	A Novel Network Partitioning Approach in Smart Grid Environment 2015 ,		2
91	A Novel Load Shedding Strategy Combining Undervoltage and Underfrequency with Considering of High Penetration of Wind Energy 2015 ,		3
90	High Impedance Fault and Heavy Load under Big Data Context 2015 ,		1
89	An overview on wind power forecasting methods 2015 ,		8

88	Application of Big Data in Smart Grid 2015 ,		9
87	A model of Demand Response scheduling for cement plant 2014 ,		3
86	Machine learning class with automatic learning materials 2014 ,		1
85	Design a co-simulation platform for power system and communication network 2014 ,		2
84	HLA based co-simulation framework for multiagent-based smart grid applications 2014 ,		3
83	Compression of power system signals with wavelets 2014 ,		5
82	Estimation of multi-conductor powerline cable parameters for the modelling of transfer characteristics. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 39-45	1.5	9
81	Agent-Based Modeling and Neural Network for Residential Customer Demand Response 2013 ,		3
80	Investigation on July 2012 Indian blackout 2013 ,		22
79	The development of a smart grid co-simulation platform and case study on Vehicle-to-Grid voltage support application 2013 ,		5
78	A Coreless Electric Current Sensor With Circular Conductor Positioning Calibration. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013 , 62, 2922-2928	5.2	23
77	A Novel Automatic Load Shedding Scheme to Improve Survivability of Distribution Networks 2013 ,		1
76	Magnetic Field in a Transverse- and Axial-Flux Permanent Magnet Synchronous Generator From 3-D FEA. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1055-1058	2	21
75	Compact image representation model based on both nCRF and reverse control mechanisms. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 150-62	10.3	13
74	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012 , 61, 3225-3233	5.2	81
73	New trends for Decision Support Systems 2012 ,		2
72	Research on wind and solar penetration in a 9-bus network 2012 ,		1
71	. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 1718-1726	4.3	28

70	The use of occupancy space electrical power demand in building cooling load prediction. <i>Energy and Buildings</i> , 2012 , 55, 151-163	7	53
69	Monitoring system for smart grid 2012 ,		5
68	Short-term hydro -thermal scheduling with Artificial Bee Colony 2012 ,		2
67	Lessons Learned from July 2012 Indian Blackout 2012 ,		14
66	Online systems potential applications in intelligent power grids 2012 ,		3
65	DG modeling and compensation methods in distribution load flow analysis and voltage profile recovery 2011 ,		3
64	Stationary and mobile battery energy storage systems for smart grids 2011 ,		24
63	DG islanding operation detection methods in combination of harmonics protection schemes 2011 ,		2
62	A practical approach of energy efficiency management reporting systems in micro-grid 2011 ,		3
61	Grid integration of wind-solar hybrid renewables using AC/DC converters as DG power sources 2011 ,		5
60	Simple intelligent 3-phase power quality detecting framework for microgrid 2011 ,		1
59	Creating Efficient Visual Codebook Ensembles for Object Categorization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2011 , 41, 238-253		14
58	. <i>IEEE Transactions on Education</i> , 2011 , 54, 56-62	2.1	3
57	Voltage profile stability analysis of radial distribution power systems in presence of DGs 2011 ,		1
56	Challenges to implementing distributed generation in area electric power system 2011 ,		5
55	DC-DC converters application in fuel-cell stack grid integration 2011 ,		1
54	Small hydro power plant analysis and development 2011 ,		14
53	Application of green technologies in developing countries [Reduced carbon emission and conservation of energy 2011 ,		6

52	Renewable energy utilization in China 2011 ,		3
51	ZigBee electric vehicle charging system 2011 ,		5
50	Advanced Metering Infrastructure for Electric Vehicle Charging. <i>Smart Grid and Renewable Energy</i> , 2011 , 02, 312-323	0.4	10
49	Performance of an Axial-Flux Permanent Magnet Synchronous Generator From 3-D Finite-Element Analysis. <i>IEEE Transactions on Energy Conversion</i> , 2010 , 25, 669-676	5.4	42
48	A practical approach of smart metering integration in micro-grid 2010 ,		4
47	Hybrid Bacteria Foraging-DE based algorithm for Economic Load Dispatch with non-convex loads 2010 ,		2
46	2010 ,		1
45	Analysis and performance of a permanent-magnet synchronous generator supplying an isolated load. <i>IET Electric Power Applications</i> , 2010 , 4, 169	1.8	15
44	Permanent-Magnet Synchronous Generator Supplying an Isolated Load. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 3353-3356	2	15
43	Field Computation and Performance of a Series-Connected Self-Excited Synchronous Generator. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 3065-3068	2	2
42	Signal Processing for Improving Power Quality. <i>Energy Systems</i> , 2010 , 55-100	0.4	
41	Computation of air-gap field in an axial-flux permanent-magnet machine using the method of images 2009 ,		3
40	Coupled field-circuit analysis of a surface-inset permanent-magnet synchronous generator feeding a rectifier load 2009 ,		1
39	GA tuned differential evolution for economic load dispatch with non-convex cost function 2009 ,		2
38	Field Computation for an Axial Flux Permanent-Magnet Synchronous Generator. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 1-11	5.4	51
37	Smart metering in micro-grid applications 2009 ,		14
36	Available transfer capability evaluation based on extended blind number 2009 ,		1
35	A practical approach of smart metering in remote monitoring of renewable energy applications 2009 ,		13

34	2009,		3
33	An initial study on computational intelligence for smart grid 2009,		6
32	A review on energy loss development 2008,		1
31	2008,		5
30	Use of the slip-ring induction machine for distributed generation 2008,		1
29	A NEW FUZZY NEURAL NETWORK STRATEGY OF INSULATORS CONTAMINATION DETECTION FOR POWER SYSTEM TRANSMISSION LINE. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008 , 22, 55-64	1.1	2
28	A practical approach to wireless Power Quality, Energy and Facilities Monitoring System 2008,		5
27	2007,		7
26	Computation of No-load and Armature Reaction Fields of an Axial-Flux Permanent-Magnet Synchronous Generator 2007,		1
25	A Practical Approach to Wireless GPRS On-Line Power Quality Monitoring System. <i>IEEE Power Engineering Society General Meeting</i> , 2007,		12
24	Strategies of Enhancing the Performance of Embedded 3D Graphics Applications 2007,		1
23	Wavelet-Based Algorithm for Signal Analysis. <i>Eurasip Journal on Advances in Signal Processing</i> , 2007 , 2007,	1.9	19
22	An Axial-Flux Permanent-Magnet Synchronous Generator for a Direct-Coupled Wind-Turbine System. <i>IEEE Transactions on Energy Conversion</i> , 2007 , 22, 86-94	5.4	142
21	Permanent-Magnet Machines for Distributed Power Generation: A Review. <i>IEEE Power Engineering Society General Meeting</i> , 2007,		46
20	2007,		2
19	2007,		51
18	A coupled circuit and field analysis of a three-phase induction motor with the Smith connection. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 1315-1318	2	6
17	Non-Clear Typhoon Eye Tracking by Artificial Ant Colony 2006,		3

16	Optimization of a Distribution Static Compensator by Bacterial Foraging Technique 2006 ,		5
15	Meta Heuristic Search Algorithms for Short-Term Hydrothermal Scheduling 2006 ,		11
14	Rapid On-Line Frequency Determination Using Non-Linear Signal Processing. <i>Electric Power Components and Systems</i> , 2005 , 33, 1137-1143	1	1
13	Single-phase operation of a three-phase induction generator using a novel line current injection method. <i>IEEE Transactions on Energy Conversion</i> , 2005 , 20, 308-315	5-4	14
12	Analysis of a stand-alone permanent-magnet synchronous generator using a time-stepping coupled field-circuit method. <i>IET Electric Power Applications</i> , 2005 , 152, 1459		11
11	A Knowledge-based Creation of Mathematical Programming for GIS Problem Solving. <i>Annals of GIS</i> , 2005 , 11, 97-112	4-1	
10	Renewable Energy in Deregulated Power Market. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1173-1178		0
9	Capacitance requirements of a three-phase induction generator self-excited with a single capacitance and supplying a single-phase load. <i>IEEE Transactions on Energy Conversion</i> , 2002 , 17, 90-94	5-4	26
8	Single-phase operation of a three-phase induction generator with the Smith connection. <i>IEEE Transactions on Energy Conversion</i> , 2002 , 17, 47-54	5-4	34
7	Steady-state analysis and performance of a stand-alone three-phase induction generator with asymmetrically connected load impedances and excitation capacitances. <i>IEEE Transactions on Energy Conversion</i> , 2001 , 16, 327-333	5-4	29
6	Genetic Algorithms for Solving Optimal Power Flow Problems471-500		1
5	Applications to Power System Scheduling337-402		
4	Starting Performance of a Three-Phase Induction Motor with the Smith Connection on a Single-Phase Supply		1
3	Particle swarm optimization for economic dispatch of units with non-smooth input-output characteristic functions		2
2	Swarm Intelligence for Optimal Reactive Power Dispatch		5
1	Voltage and frequency control of self-excited slip-ring induction generators		2