Ganesh Kumar Venayagamoorthy

List of Publications by Year
in descending order

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335	12,737	44069	32842
papers	citations	48 h-index	100 g-index

339	339	339	9144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resilient and Sustainable Tie-Line Bias Control for a Power System in Uncertain Environments. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 205-219.	4.9	4
2	Distributed Demand Response Management for a Virtually Connected Community With Solar Power. IEEE Access, 2022, 10, 8350-8362.	4.2	7
3	Distributed Volt-Var Curve Optimization Using a Cellular Computational Network Representation of an Electric Power Distribution System. Energies, 2022, 15, 4438.	3.1	1
4	A Neural Network Approach to Adaptive Inference of Frequency Droop Curves in Power Systems with Solar PV Plants. , 2021, , .		2
5	A distributed dataâ€driven modelling framework for power flow estimation in power distribution systems. IET Energy Systems Integration, 2021, 3, 367-379.	1.8	4
6	An empirical approach to frequency droop characterization from utilityâ€scale photovoltaic plants operation in a power system. IET Generation, Transmission and Distribution, 2021, 15, 1539-1551.	2.5	2
7	Online Steady-State Security Awareness Using Cellular Computation Networks and Fuzzy Techniques. Energies, 2021, 14, 148.	3.1	3
8	Scalable Residential Demand Response Management. IEEE Access, 2021, 9, 159133-159145.	4.2	7
9	A Graph Theory-Based Clustering Method for Power System Networks. , 2020, , .		2
10	Edge Computing and Adaptive Fault-Tolerant Tracking Control Algorithm for Smart Buildings: A Case Study. Cybernetics and Systems, 2020, 51, 685-697.	2.5	13
11	Distributed Demand Response Management. , 2020, , .		1
12	LVQ Neural Network for Online Identification of Power System Network Branch Events. , 2020, , .		1
13	AGC Asynchronous Tuning for Improving PV Consumption in the Energy Imbalance Market. , 2020, , .		0
14	Situational Awareness of Power System Stabilizersâ€™ Performance in Energy Control Centers. , 2020, , .		2
15	Spatio-Temporal Distributed Solar Irradiance and Temperature Forecasting. , 2020, , .		6
16	Protocol Proxy: An FTE-based covert channel. Computers and Security, 2020, 92, 101777.	6.0	4
17	Online Voltage Optimization of the Power Distribution System. , 2020, , .		0
18	Intelligent Power Converter Controllers for Photovoltaic Systems. , 2020, , .		1

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19	Development of an IoT-Driven Building Environment for Prediction of Electric Energy Consumption. IEEE Internet of Things Journal, 2020, 7, 4912-4921.	8.7	44
20	Distributed Identification of Power System Network Branch Events. , 2020, , .		1
21	Spatial Matrix Based Clustering of Sparse Electric Power Networks. SAIEE Africa Research Journal, 2019, 110, 26-38.	1.2	0
22	Situational awareness of coherency behavior of synchronous generators in a power system with utility-scale photovoltaics. Electric Power Systems Research, 2019, 172, 38-49.	3.6	5
23	Cellular Computational Networks for Distributed Prediction of Active Power Flow in Power Systems under Contingency. , 2019, , .		2
24	Optimal automatic generation controllers in a multiâ€area interconnected power system with utilityâ€scale PV plants. IET Smart Grid, 2019, 2, 581-593.	2.2	13
25	Optimal Power Flow in Distribution Scheme Using Load Forecast. , 2019, , .		2
26	Online Identification of Power System Network Branch Events. , 2019, , .		3
27	Cellular Computational Network for Distributed Power Flow Inferencing in Electric Distribution Systems. , 2019, , .		0
28	Computational Intelligence-Based Demand Response Management in a Microgrid. IEEE Transactions on Industry Applications, 2019, 55, 732-740.	4.9	27
29	Review of Internet of Things (IoT) in Electric Power and Energy Systems. IEEE Internet of Things Journal, 2018, 5, 847-870.	8.7	460
30	Computational approach to enhance performance of photovoltaic system inverters interfaced to utility grids. IET Renewable Power Generation, 2018, 12, 112-124.	3.1	17
31	An On-line Electric Power Distribution System Simulator. , 2018, , .		2
32	Wide-Area Situational Awareness based Power System Stabilizer Tuning with Utility Scale PV Integration. , 2018, , .		5
33	PhasorToolBox â€“ A Python Package for Synchrophasor Application Prototyping. , 2018, , .		1
34	Forecasting Peak Daily Load in Distribution Feeders. , 2018, , .		3
35	A Distribution System Test Feeder for DER Integration Studies. , 2018, , .		5
36	CI-based Analytics for Photovoltaic Power Predictions and Tie-line Bias Control in Smart Grid. , 2018, , .		1

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37	A Survey on the Effects of False Data Injection Attack on Energy Market. , 2018, , .		3
38	Comparison of Learning Cellular Computational Networks with EKF and CPSO for Multi-Location Wind Speed Prediction. , 2018, , .		3
39	A Study on Demand Response Potential of a Residential Area Using Census Data. , 2018, , .		1
40	Cellular Computational Networks based Voltage Contingency Ranking Regarding Power System Security. , 2018, , .		4
41	Stochastic Subspace Identification Validation of PV Inverter Operation Improvement with Optimallyâ€“Tuned Controllers. , 2018, , .		0
42	Distributed voltage control for distribution feeder with photovoltaic systems. , 2018, , .		2
43	Integration of SmartParks in a Power System with Utility-Scale PV Plant. , 2018, , .		3
44	Cellular computational generalized neuron network for frequency situational intelligence in a multi-machine power system. Neural Networks, 2017, 93, 21-35.	5.9	5
45	Cellular computational extreme learning machine network based frequency predictions in a power system. , 2017, , .		3
46	Denial of Service Attack on Tie-Line Bias Control in a Power System With PV Plant. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017, 1, 375-390.	4.9	51
47	Critical clearing time prediction using recurrent neural networks. , 2017, , .		3
48	Organization-based Multi-Agent structure of the Smart Home Electricity System. , 2017, , .		23
49	Cellular computational generalized neuron network with cooperative PSO for power systems. , 2017, , .		2
50	Two-Stage Stochastic Model Using Bendersâ€™ Decomposition for Large-Scale Energy Resource Management in Smart Grids. IEEE Transactions on Industry Applications, 2017, 53, 5905-5914.	4.9	67
51	A hybrid method for power system state estimation using Cellular Computational Network. Engineering Applications of Artificial Intelligence, 2017, 64, 140-151.	8.1	9
52	Optimized automatic generation control in a multi-area power system with particle swarm optimization. , 2017, , .		7
53	Distributed Dynamic State Estimation for Smart Grid Transmission System. IFAC-PapersOnLine, 2017, 50, 98-103.	0.9	3
54	Pattern recognition for electric energy consumption prediction in a laboratory environment. , 2017, , .		2

#	Article	IF	Citations
55	Situational awareness in an electric utility's control center of its generators' damping capabilities. , 2017, , .		3
56	Influencing behavior of electricity consumers to enhance participation in demand response. , 2017, , .		2
57	Multi-objective PSO for scheduling electricity consumption in a smart neighborhood. , 2017, , .		2
58	Convergence of the Fast State Estimation for Power Systems. SAIEE Africa Research Journal, 2017, 108, 117-127.	1.2	4
59	A service provider model for demand response management. , 2016, , .		7
60	Power system distributed dynamic state prediction. , 2016, , .		3
61	Transformative role of photovoltaics in phasing out alternating current based grid by local DC power networks for sustainable global economic growth. , 2016, , .		2
62	Spatial predictions of solar irradiance for photovoltaic plants. , 2016, , .		10
63	Internet of Things (IoT) sensors for smart home electric energy usage management. , 2016, , .		13
64	Smart AMI based demand-response management in a micro-grid environment. , 2016, , .		7
65	Ultra-low cost and solar storm secured local DC electricity to address climate change challenges for all economies. , 2016, , .		6
66	Model of a hybrid distributed generation system for a DC nano-grid. , 2016, , .		14
67	Guest Editorial Special Issue on â€œNeural Networks and Learning Systems Applications in Smart Gridâ€• IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1601-1603.	11.3	4
68	Grid-tied power converter with GPS capability for smart grid applications. , 2016, , .		0
69	Situational intelligence for online coherency analysis of synchronous generators in power system. , 2016, , .		4
70	Optimal tuning of governors on synchronous generators in a multi-area power system with a large photovoltaic plant. , 2016, , .		5
71	Dynamic performance enhancement of a utility-scale solar PV plant. , 2016, , .		4
72	A lite cellular generalized neuron network for frequency prediction of synchronous generators in a multimachine power system. , 2016, , .		7

#	Article	IF	Citations
73	Dishonest Gauss Newton method based power system state estimation on a GPU. , 2016, , .		8
74	Virtual generators based damping controller for a multi-machine power system using Î¼-synthesis. , 2016, , .		0
75	Navigating the challenges of Internet of Things (IoT) for power and energy systems. , 2016, , .		18
76	Dynamic Energy Management System for a Smart Microgrid. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1643-1656.	11.3	234
77	Adaptive inter-area oscillation damping controller for multi-machine power systems. Electric Power Systems Research, 2016, 134, 105-113.	3.6	13
78	Frequency Prediction of Synchronous Generators in a Multi-Machine Power System with a Photovoltaic Plant Using a Cellular Computational Network. , 2015, , .		4
79	Side-Channels in Electric Power Synchrophasor Network Data Traffic. , 2015, , .		10
80	Hybrid double flying capacitor multicell converter for renewable energy integration. , 2015, , .		2
81	Scalable cellular computational network based WLS state estimator for power systems. , 2015, , .		2
82	Combined emission and economic dispatch incorporating demand side resources. , 2015, , .		5
83	Multiple power system stabilizers tuning using mean-variance optimization. , 2015, , .		4
84	Stochastic Optimization for Combined Economic and Emission Dispatch with Renewables. , 2015, , .		7
85	Development of Optimal PI Controllers for a Grid-Tied Photovoltaic Inverter. , 2015, , .		22
86	SmartPark placement and operation for improving system reliability and market participation. Electric Power Systems Research, 2015, 123, 21-30.	3.6	45
87	An LMI-SSI model based PSS design approach for a multi-machine power system. , 2015, , .		2
88	Reservoir based learning network for control of two-area power system with variable renewable generation. Neurocomputing, 2015, 170, 428-438.	5.9	23
89	Hybrid double flying capacitor multicell converter and its application in gridâ€tied renewable energy resources. IET Generation, Transmission and Distribution, 2015, 9, 947-956.	2.5	22
90	Investigating effects of changes in power market regulations on demand-side resources aggregators. , 2015, , .		8

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91	Cyber security in smart DC microgrid operations. , 2015, , .		26
92	Adaptive-critic-based control of a synchronous generator in a power system using biologically inspired artificial neural networks. , 2015, , .		3
93	Optimal allocation of power routers in a STATCOM-installed electric grid with high penetration of wind energy. , 2015, , .		4
94	Side channel analysis of multiple PMU data in electric power systems. , 2015, , .		10
95	Damping inter-area oscillations using virtual generator based power system stabilizer. Electric Power Systems Research, 2015, 129, 126-141.	3.6	19
96	Comparison of Adaptive Neuro-Fuzzy Inference Systems and Echo State Networks for PV Power Prediction. Procedia Computer Science, 2015, 53, 92-102.	2.0	14
97	Remote power system stabilizer tuning using synchrophasor data. , 2014, , .		11
98	A survey of electric power synchrophasor network cyber security. , 2014, , .		42
99	Performance of a smart microgrid with battery energy storage system's size and state of charge. , 2014, , .		7
100	Comparison of echo state network and extreme learning machine for PV power prediction. , 2014, , .		12
101	Two-level dynamic stochastic optimal power flow control for power systems with intermittent renewable generation. , 2014, , .		1
102	Optimal fuzzy logic based coordination controller for improved transient stability of a smart grid. , 2014, , .		5
103	Tie-line bias control and oscillations with variable generation in a two-area power system. , 2014, , .		2
104	Emerging role of photovoltaics for sustainably powering underdeveloped, emerging, and developed economies. , 2014, , .		14
105	Cellular computational networksâ€"A scalable architecture for learning the dynamics of large networked systems. Neural Networks, 2014, 50, 120-123.	5.9	27
106	Online coherency analysis of synchronous generators in a power system. , 2014, , .		10
107	Optimal utilization of STATCOM devices in a power system with high penetration of wind generation. , 2014, , .		4
108	Computational Approaches for Bad Data Handling in Power System Synchrophasor Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11269-11274.	0.4	2

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109	Smart micro-grid optimization with controllable loads using particle swarm optimization. , 2013, , .		11
110	Frequency stability and control of a power system with large PV plants using PMU information. , 2013, , .		20
111	Developing neural networks library in RSCAD for real-time power system simulation. , 2013, , .		3
112	Intelligent Local Area Signals Based Damping of Power System Oscillations Using Virtual Generators and Approximate Dynamic Programming. IEEE Transactions on Smart Grid, 2013, 4, 498-508.	9.0	139
113	Two-Level Dynamic Stochastic Optimal Power Flow Control for Power Systems With Intermittent Renewable Generation. IEEE Transactions on Power Systems, 2013, 28, 2670-2678.	6.5	35
114	Dynamic estimation of rotor angle deviation of a generator in multi-machine power systems. Electric Power Systems Research, 2013, 97, 1-9.	3.6	7
115	Modeling and simulation of hybrid distributed generation and its impact on transient stability of power system. , 2013, , .		27
116	Coordinated design of local and wide-area damping controllers for power systems using particle swarm optimization. , 2013, , .		5
117	Cellular neural network based situational awareness system for power grids. , 2013, , .		7
118	CNN based power system transient stability margin and voltage stability index prediction. , 2013, , .		4
119	Dynamic performance model of wind turbine generators. , 2013, , .		2
120	Neural networks in RSCAD for intelligent real-time power system applications. , 2013, , .		6
121	Power system controller design using multi-population PBIL. , 2013, , .		7
122	Iterative Design of FIR Filters. , 2013, , 145-166.		0
123	Guest Editorial Special Section on Computational Intelligence Applications in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 445-445.	9.0	1
124	Dynamic state estimation for distribution networks with renewable energy integration. International Journal of Smart Grid and Clean Energy, 2013, 2, 307-315.	0.4	9
125	One Step Ahead: Short-Term Wind Power Forecasting and Intelligent Predictive Control Based on Data Analytics. IEEE Power and Energy Magazine, 2012, 10, 70-78.	1.6	48
126	An Exponential Moving Average algorithm. , 2012, , .		18

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127	Decentralized Asynchronous Learning in Cellular Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1755-1766.	11.3	30
128	Optimization of power system stabilizer parameters using population-based incremental learning. , 2012, , .		1
129	Wide area monitoring of rotor angle based on synchrophasor measurements. , 2012, , .		1
130	A scalable wide area monitoring system using cellular neural networks. , 2012, , .		3
131	Reservoir-computing-based, biologically-inspired artificial neural network for modeling of a single machine infinite bus power system. , 2012, , .		1
132	Virtual generators: Simplified online power system representations for wide-area damping control. , 2012, , .		6
133	SmartParks for short term power flow control in smart grids. , 2012, , .		5
134	Dynamic stochastic optimal power flow control for intelligent coordination of grid-connected energy systems. , 2012, , .		1
135	Wide-Area Measurement Based Dynamic Stochastic Optimal Power Flow Control for Smart Grids With High Variability and Uncertainty. IEEE Transactions on Smart Grid, 2012, 3, 59-69.	9.0	133
136	Resource Scheduling Under Uncertainty in a Smart Grid With Renewables and Plug-in Vehicles. IEEE Systems Journal, 2012, 6, 103-109.	4.6	252
137	AIS-Based Coordinated and Adaptive Control of Generator Excitation Systems for an Electric Ship. IEEE Transactions on Industrial Electronics, 2012, 59, 3102-3112.	7.9	23
138	Wide area monitoring in power systems using cellular neural networks. , 2011, , .		8
139	Comparison of TDNN and RNN performances for neuro-identification on small to medium-sized power systems. , 2011, , .		8
140	Innovative smart grid control technologies. , 2011, , .		4
141	Adaptive critic design based dynamic optimal power flow controller for a smart grid. , 2011, , .		12
142	Comparison of a recurrent neural network PV system model with a traditional component-based PV system model. , 2011, , .		12
143	Computational intelligence for control of wind turbine generators. , 2011, , .		10
144	On-line voltage stability load index estimation based on PMU measurements. , 2011, , .		15

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145	Development of optimal controllers for a DFIG based wind farm in a smart grid under variable wind speed conditions. , 2011, , .		14
146	Intelligent sense-making for smart grid stability. , 2011, , .		12
147	Characterization and modeling of a grid-connected photovoltaic system using a Recurrent Neural Network. , 2011, , .		13
148	Plug-in Vehicles and Renewable Energy Sources for Cost and Emission Reductions. IEEE Transactions on Industrial Electronics, 2011, 58, 1229-1238.	7.9	681
149	Computational Intelligence in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2011, 13, 68-96.	39.4	559
150	SmartPark Shock Absorbers for Wind Farms. IEEE Transactions on Energy Conversion, 2011, 26, 990-992.	5.2	29
151	Hardware Implementation of an AIS-Based Optimal Excitation Controller for an Electric Ship. IEEE Transactions on Industry Applications, 2011, 47, 1060-1070.	4.9	12
152	Implementation of an Intelligent Reconfiguration Algorithm for an Electric Ship's Power System. IEEE Transactions on Industry Applications, 2011, 47, 2292-2300.	4.9	39
153	Dynamic, Stochastic, Computational, and Scalable Technologies for Smart Grids. IEEE Computational Intelligence Magazine, 2011, 6, 22-35.	3.2	95
154	SmartPark as a Virtual STATCOM. IEEE Transactions on Smart Grid, 2011, 2, 445-455.	9.0	64
155	Particle Swarm Optimization in Wireless-Sensor Networks: A Brief Survey. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 262-267.	2.9	558
156	Optimal location and sizing of energy storage modules for a smart electric ship power system. , 2011, , .		20
157	Intelligent methods for smart microgrids. , 2011, , .		8
158	Efficient Utilization of Renewable Energy Sources by Gridable Vehicles in Cyber-Physical Energy Systems. IEEE Systems Journal, 2010, 4, 285-294.	4.6	166
159	Energy dispatch fuzzy controller for a grid-independent photovoltaic system. Energy Conversion and Management, 2010, 51, 928-937.	9.2	33
160	RNN based MIMO channel prediction. Signal Processing, 2010, 90, 440-450.	3.7	39
161	Quantum inspired PSO for the optimization of simultaneous recurrent neural networks as MIMO learning systems. Neural Networks, 2010, 23, 583-586.	5.9	34
162	Intelligent unit commitment with vehicle-to-grid â€"A cost-emission optimization. Journal of Power Sources, 2010, 195, 898-911.	7.8	266

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163	Evolutionary swarm neural network game engine for Capture Go. Neural Networks, 2010, 23, 295-305.	5.9	15
164	Adaptive critics for dynamic optimization. Neural Networks, 2010, 23, 587-591.	5.9	8
165	Energy dispatch controllers for a photovoltaic system. Engineering Applications of Artificial Intelligence, 2010, 23, 249-261.	8.1	85
166	Particle swarm optimization with quantum infusion for system identification. Engineering Applications of Artificial Intelligence, 2010, 23, 635-649.	8.1	107
167	Optimal maintenance scheduling of generators using multiple swarms-MDPSO framework. Engineering Applications of Artificial Intelligence, 2010, 23, 895-910.	8.1	59
168	Recurrent Neural Networks Based Impedance Measurement Technique for Power Electronic Systems. IEEE Transactions on Power Electronics, 2010, 25, 382-390.	7.9	31
169	A Mean-Variance Optimization algorithm. , 2010, , .		103
170	Voltage prediction using a Cellular Network. , 2010, , .		10
171	Indirect adaptive control of an active filter using Echo State Networks. , 2010, , .		1
172	Particle swarm optimization of high-frequency transformer. , 2010, , .		16
173	An Adaptive Control Strategy for DSTATCOM Applications in an Electric Ship Power System. IEEE Transactions on Power Electronics, 2010, 25, 95-104.	7.9	93
174	Wide area control for improving stability of a power system with plug-in electric vehicles. IET Generation, Transmission and Distribution, 2010, 4, 1151.	2.5	101
175	Bio-inspired Algorithms for Autonomous Deployment and Localization of Sensor Nodes. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 663-675.	2.9	169
176	A dynamic optimization method for a smart grid. , 2010, , .		1
177	New Power Quality Index in a Distribution Power System by Using RMP Model. IEEE Transactions on Industry Applications, 2010, 46, 1204-1211.	4.9	20
178	Enhanced wide area monitoring system. , 2010, , .		7
179	Effects of variable solar irradiance on the reactive power compensation for large solar farm. , 2010, , .		113
180	Estimation of voltage stability index in a power system with Plug-in Electric Vehicles. , 2010, , .		12

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181	Intelligent Coordinated Control of a Wind Farm and Distributed Smartparks. , 2010, , .		13
182	PSO Tuned Flatness Based Control of a Magnetic Levitation System. , 2010, , .		8
183	Dynamic system eigenvalue extraction using a linear echo state network for small-signal stability analysis - a novel application. , 2010, , .		3
184	Intelligent Monitoring and Control of Microgrid. , 2010, , .		0
185	Learning nonlinear functions with MLPs and SRNs. , 2009, , .		1
186	Neural network based secure media access control protocol for wireless sensor networks. , 2009, , .		53
187	Getting an NSF CAREER award and beyond. , 2009, , .		0
188	Missing-sensor-fault-tolerant control for SSSC facts device with real-time implementation. , 2009, , .		4
189	Effects of learning rate on the performance of the population based incremental learning algorithm. , 2009, , .		24
190	PREDICTION OF ELEPHANT MOVEMENT IN A GAME RESERVE USING NEURAL NETWORKS. New Mathematics and Natural Computation, 2009, 05, 421-439.	0.7	0
191	Conference report: 2008 IEEE Swarm Intelligence Symposium (SIS 2008). IEEE Computational Intelligence Magazine, 2009, 4, 20-21.	3.2	3
192	A wide area measurement based neurocontrol for generation excitation systems. Engineering Applications of Artificial Intelligence, 2009, 22, 473-481.	8.1	9
193	Effects of spectral radius and settling time in the performance of echo state networks. Neural Networks, 2009, 22, 861-863.	5.9	107
194	Advances in neural networks research: An introduction. Neural Networks, 2009, 22, 489-490.	5.9	11
195	Generalized neuron: Feedforward and recurrent architectures. Neural Networks, 2009, 22, 1011-1017.	5.9	17
196	Comparison of a spiking neural network and an MLP for robust identification of generator dynamics in a multimachine power system. Neural Networks, 2009, 22, 833-841.	5.9	16
197	Collective robotic search using hybrid techniques: Fuzzy logic and swarm intelligence inspired by nature. Engineering Applications of Artificial Intelligence, 2009, 22, 431-441.	8.1	33
198	Coordinated reactive power control of a large wind farm and a STATCOM using heuristic dynamic programming. , 2009, , .		9

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199	Missing-Sensor-Fault-Tolerant Control for SSSC FACTS Device With Real-Time Implementation. IEEE Transactions on Power Delivery, 2009, 24, 740-750.	4.3	30
200	Comparison of feedforward and feedback neural network architectures for short term wind speed prediction. , 2009, , .		65
201	Heuristic Algorithms for Solving Convex and Nonconvex Economic Dispatch. , 2009, , .		3
202	Real-time implementation of an intelligent algorithm for electric ship power system reconfiguration. , 2009, , .		10
203	Implementation of an Intelligent Reconfiguration Algorithm for an Electric Ship Power System. , 2009, , .		3
204	Swarm Intelligence for Collective Robotic Search. Studies in Computational Intelligence, 2009, , 29-47.	0.9	5
205	Online identification of generator dynamics in a multimachine power system with a spiking neural network. , 2009, , .		2
206	Harmonic identification using an Echo State Network for adaptive control of an active filter in an electric ship. , 2009, , .		10
207	One million plug-in electric vehicles on the road by 2015. , 2009, , .		69
208	Comparative Study of Population Based Techniques for Power System Stabilizer Design. , 2009, , .		15
209	Generalized neuron based secure media access control protocol for wireless sensor networks. , 2009, , .		6
210	Cellular Multilayer Perceptron for Prediction of Voltages in a Power System. , 2009, , .		5
211	Learning functions generated by randomly initialized MLPs and SRNs. , 2009, , .		1
212	Short to Medium Range Time Series Prediction of Solar Irradiance Using an Echo State Network. , 2009, , .		22
213	An Introduction to the Echo State Network and its Applications in Power System. , 2009, , .		11
214	Comparison of Enhanced-PSO and Classical Optimization Methods: A Case Study for STATCOM Placement. , 2009, , .		17
215	A Real-Time Implementation of a PBIL Based Stabilizing Controller for Synchronous Generator. , 2009, , .		4
216	Coordinated Reactive Power Control of a Large Wind Farm and a STATCOM Using Heuristic Dynamic Programming. IEEE Transactions on Energy Conversion, 2009, 24, 493-503.	5.2	166

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217	Unit commitment with vehicle-to-Grid using particle swarm optimization. , 2009, , .		65
218	Potentials and promises of computational intelligence for smart grids. , 2009, , .		48
219	A PSO with quantum infusion algorithm for training Simultaneous Recurrent Neural Networks. , 2009, , .		8
220	Real-Time Implementation of a STATCOM on a Wind Farm Equipped With Doubly Fed Induction Generators. IEEE Transactions on Industry Applications, 2009, 45, 98-107.	4.9	279
221	Hardware Implementation of a Mamdani Fuzzy Logic Controller for a Static Compensator in a Multimachine Power System. IEEE Transactions on Industry Applications, 2009, 45, 1535-1544.	4.9	28
222	Bio-inspired node localization in wireless sensor networks. , 2009, , .		90
223	Seven-Level Shunt Active Power Filter for High-Power Drive Systems. IEEE Transactions on Power Electronics, 2009, 24, 6-13.	7.9	42
224	Optimization of vehicle-to-grid scheduling in constrained parking lots. , 2009, , .		92
225	Real-time modeling of distributed plug-in vehicles for V2G transactions. , 2009, , .		48
226	V2G Scheduling - A Modern Approach to Unit Commitment with Vehicle-to-Grid using Particle Swarm Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 261-266.	0.4	2
227	Dual heuristic programming based nonlinear optimal control for a synchronous generator. Engineering Applications of Artificial Intelligence, 2008, 21, 97-105.	8.1	17
228	Robust neuro-identification of nonlinear plants in electric power systems with missing sensor measurements. Engineering Applications of Artificial Intelligence, 2008, 21, 604-618.	8.1	15
229	Recognition of facial expressions using Gabor wavelets and learning vector quantization. Engineering Applications of Artificial Intelligence, 2008, 21, 1056-1064.	8.1	175
230	Optimal wide-area monitoring and nonlinear adaptive coordinating neurocontrol of a power system with wind power integration and multiple FACTS devices. Neural Networks, 2008, 21, 466-475.	5.9	31
231	Fully Evolvable Optimal Neurofuzzy Controller Using Adaptive Critic Designs. IEEE Transactions on Fuzzy Systems, 2008, 16, 1450-1461.	9.8	32
232	Wide-Area Signal-Based OptimalNeurocontroller for a UPFC. IEEE Transactions on Power Delivery, 2008, 23, 1597-1605.	4.3	65
233	A Computational Approach to Optimal Damping Controller Design for a GCSC. IEEE Transactions on Power Delivery, 2008, 23, 1673-1681.	4.3	25
234	Dual-Function Neuron-Based External Controller for a Static Var Compensator. IEEE Transactions on Power Delivery, 2008, 23, 997-1006.	4.3	19

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235	Optimal SVM switching for a multilevel multi-phase machine using modified discrete PSO. , 2008, , .		26
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