Mo-Yuen Chow

List of Publications by Year
in descending order

270 papers	11,815 citations	57681 46 h-index	39744 98 g-index
273 all docs	273 docs citations	273 times ranked	9543 citing authors

#	Article	IF	Citations
1	Resilient Collaborative Distributed AC Optimal Power Flow Against False Data Injection Attacks: A Theoretical Framework. IEEE Transactions on Smart Grid, 2022, 13, 795-806.	6.2	4
2	Strategic Protection Against FDI Attacks With Moving Target Defense in Power Grids. IEEE Transactions on Control of Network Systems, 2022, 9, 245-256.	2.4	15
3	A Homomorphic Encryption-Based Private Collaborative Distributed Energy Management System. IEEE Transactions on Smart Grid, 2021, 12, 5233-5243.	6.2	12
4	A Random-Weight Privacy-Preserving Algorithm With Error Compensation for Microgrid Distributed Energy Management. IEEE Transactions on Information Forensics and Security, 2021, 16, 4352-4362.	4.5	8
5	A Robust and Efficient State-of-Charge Estimation Methodology for Serial-Connected Battery Packs: Most Significant Cell Methodology. IEEE Access, 2021, 9, 74360-74369.	2.6	9
6	Robust State-of-Charge Estimation for Lithium-Ion Batteries Over Full SOC Range. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 305-313.	3.0	9
7	Collaborative Distributed AC Optimal Power Flow: A Dual Decomposition Based Algorithm. Journal of Modern Power Systems and Clean Energy, 2021, 9, 1414-1423.	3.3	1
8	Simulating and Evaluating Privacy Issues in Distributed Microgrids: A Cyber-Physical Co-Simulation Platform. , 2021, , .		0
9	Data-driven SOC Estimation with Moving Window Adaptive Residual Generator for Li-ion Battery. , 2021, , .		1
10	Distributed, Neurodynamic-Based Approach for Economic Dispatch in an Integrated Energy System. IEEE Transactions on Industrial Informatics, 2020, 16, 2245-2257.	7.2	64
11	Machine Learning Approaches in Battery Management Systems: State of the Art: Remaining useful life and fault detection. , 2020, , .		19
12	The Physical Manifestation of Side Reactions in the Electrolyte of Lithium-Ion Batteries and Its Impact on the Terminal Voltage Response. Batteries, 2020, 6, 53.	2.1	4
13	A Random-Weighted Privacy-Preserving Distributed Algorithm for Energy Management in Microgrid with Energy Storage Devices. , 2020, , .		5
14	An Augmented Bayesian Reputation Metric for Trustworthiness Evaluation in Consensus-based Distributed Microgrid Energy Management Systems with Energy Storage. , 2020, , .		3
15	Cyber-Physical Microgrids: Toward Future Resilient Communities. IEEE Industrial Electronics Magazine, 2020, 14, 4-17.	2.3	29
16	A Novel Most Significant Cell Methodology in a Battery Pack with Serial Cell Connection. , 2020, , .		1
17	Guest Editorial: Special Section on Resilience, Reliability, and Security in Cyber–Physical Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 4865-4867.	7.2	1
18	Reputation-based Collaborative Distributed Energy Management System Framework for Cyber-physical Microgrids: Resilience against Profit-driven Attacks. , 2020, , .		8

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19	Resilient Collaborative Distributed Energy Management System Framework for Cyber-Physical DC Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 4637-4649.	6.2	27
20	Distributed Event-Triggered H_∞ Consensus Based Current Sharing Control of DC Microgrids Considering Uncertainties. IEEE Transactions on Industrial Informatics, 2020, 16, 7413-7425.	7.2	52
21	Data-driven SOC Estimation with Adaptive Residual Generator for Li-ion Battery. , 2020, , .		4
22	A Novel Data Integrity Attack on Consensus-Based Distributed Energy Management Algorithm Using Local Information. IEEE Transactions on Industrial Informatics, 2019, 15, 1544-1553.	7.2	45
23	A Distributed Model-Free Controller for Enhancing Power System Transient Frequency Stability. IEEE Transactions on Industrial Informatics, 2019, 15, 1361-1371.	7.2	13
24	A Distributed and Resilient Bargaining Game for Weather-Predictive Microgrid Energy Cooperation. IEEE Transactions on Industrial Informatics, 2019, 15, 4721-4730.	7.2	29
25	Real-time Abnormal Data Filtering Framework for Battery Energy Storage System Real-world Application. , 2019, , .		1
26	Sensitivity Analysis of Lithium Ion Battery Parameters to Degradation of Anode Lithium Ion Concentration. , 2019, , .		1
27	A Resilient Consensus-Based Distributed Energy Management Algorithm Against Data Integrity Attacks. IEEE Transactions on Smart Grid, 2019, 10, 4729-4740.	6.2	34
28	Compressive Sensing and Morphology Singular Entropy-Based Real-Time Secondary Voltage Control of Multiarea Power Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3796-3807.	7.2	16
29	Modeling, Control, and Integration of Energy Storage Systems in E-Transportation and Smart Grid. IEEE Transactions on Industrial Electronics, 2018, 65, 6548-6551.	5.2	21
30	Effect of calendar ageing on SEI growth and its impact on electrical circuit model parameters in Lithium ion batteries. , 2018, , .		5
31	Experimental battery monitoring system design for electric vehicle applications. , 2018, , .		7
32	To Centralize or to Distribute: That Is the Question: A Comparison of Advanced Microgrid Management Systems. IEEE Industrial Electronics Magazine, 2018, 12, 6-24.	2.3	152
33	Resilient Distributed DC Optimal Power Flow Against Data Integrity Attack. IEEE Transactions on Smart Grid, 2018, 9, 3543-3552.	6.2	67
34	Distributed Adaptive Droop Control for Optimal Power Dispatch in DC Microgrid. IEEE Transactions on Industrial Electronics, 2018, 65, 778-789.	5.2	104
35	Estimating Battery Pack SOC Using A Cell-to-Pack Gain Updating Algorithm. , 2018, , .		9
36	The Development and Application of a DC Microgrid Testbed for Distributed Microgrid Energy Management System. , 2018, , .		5

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37	Resilient Distributed Energy Management Subject to Unexpected Misbehaving Generation Units. IEEE Transactions on Industrial Informatics, 2017, 13, 208-216.	7.2	66
38	Li-ion battery parameter identification with low pass filter for measurement noise rejection. , 2017, , .		16
39	A big data based deep learning approach for vehicle speed prediction. , 2017, , .		34
40	Cooperative distributed aggregation algorithm for demand response using distributed energy storage devices. , 2017, , .		5
41	Data integrity attack on consensns-based distributed energy management algorithm. , 2017, , .		1
42	Distributed multi-step power scheduling and cost allocation for cooperative microgrids. , 2017, , .		5
43	Optimal cooperative charging strategy for a smart charging station of electric vehicles. , 2017, , .		3
44	Data integrity attack on consensus-based load shedding algorithm for power systems. , 2017, , .		4
45	Effect of calendar aging on li ion battery degradation and SOH. , 2017, , .		10
46	Reliability assessment and comparison between centralized and distributed energy management system in islanding microgrid. , 2017, , .		13
47	Consensus algorithm based adaptive droop control for DC microgrid. , 2016, , .		6
48	Microgrid cooperative distributed energy scheduling (CoDES) considering battery degradation cost. , 2016, , .		5
49	Resilient cooperative distributed energy scheduling against data integrity attacks. , 2016, , .		3
50	Accurate Thevenin's circuit-based battery model parameter identification. , 2016, , .		16
51	Cooperative distributed energy scheduling for storage devices and renewables with resiliency against intermittencies. , 2016, , .		5
52	Effect of anode conductivity degradation on the Thevenin Circuit Model of lithium ion batteries. , 2016, , .		6
53	E-transportation: the role of embedded systems in electric energy transfer from grid to vehicle. Eurasip Journal on Embedded Systems, 2016, 2016, .	1.2	9
54	Consensusâ€bbased distributed scheduling for cooperative operation of distributed energy resources and storage devices in smart grids. IET Generation, Transmission and Distribution, 2016, 10, 1268-1277.	1.4	65

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55	Guest Editorial Special Section on New Trends in Control and Filtering of Networked Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 1736-1739.	7.2	4
56	An attack-resilient distributed DC optimal power flow algorithm via neighborhood monitoring. , 2016, , .		3
57	Attack detection and mitigation for resilient distributed DC optimal power flow in the IoT environment. , 2016, , .		4
58	Distributed Real-Time Pricing Control for Large-Scale Unidirectional V2G With Multiple Energy Suppliers. IEEE Transactions on Industrial Informatics, 2016, 12, 1953-1962.	7.2	46
59	Day-Ahead Smart Grid Cooperative Distributed Energy Scheduling With Renewable and Storage Integration. IEEE Transactions on Sustainable Energy, 2016, 7, 1739-1748.	5.9	72
60	Online and Offline Stability Analysis Methods for the Power Electronic-Based Components in Design and Operational Stages. IEEE Transactions on Power Electronics, 2016, 31, 3151-3164.	5.4	11
61	Networked control and industrial applications [Special section introduction]. IEEE Transactions on Industrial Electronics, 2016, 63, 1203-1206.	5.2	15
62	A Game Theory Approach to Energy Management of An Engineâ€"Generator/Battery/Ultracapacitor Hybrid Energy System. IEEE Transactions on Industrial Electronics, 2016, 63, 4266-4277.	5.2	58
63	Optimal Cooperative Charging Strategy for a Smart Charging Station of Electric Vehicles. IEEE Transactions on Power Systems, 2016, 31, 2946-2956.	4.6	111
64	A robust distributed system incremental cost estimation algorithm for smart grid economic dispatch with communications information losses. Journal of Network and Computer Applications, 2016, 59, 315-324.	5.8	53
65	Guest Editorial Special Section on Networked Energy Systems: Architectures, Communication, and Management. IEEE Transactions on Industrial Informatics, 2016, 12, 1896-1899.	7.2	3
66	Economic impact of data integrity attacks on distributed DC optimal power flow algorithm. , 2015, , .		14
67	Joint scheduling of large-scale appliances and batteries via distributed mixed optimization. , 2015, , .		0
68	Cooperative distributed scheduling for storage devices in microgrids using dynamic KKT multipliers and consensus networks. , 2015, , .		25
69	Economic benefits of plug-in electric vehicles using V2G for grid performance-based regulation service. , 2015, , .		13
70	Distributed real-time demand response in multiseller&#x0308;Cmultibuyer smart distribution grid. , 2015, , .		2
71	Incorporating big data analysis in speed profile classification for range estimation. , 2015, , .		3
72	Green city: A low-cost testbed for distributed control algorithms in Smart Grid. , 2015, , .		7

#	Article	IF	Citations
73	The state of the art approaches to estimate the state of health (SOH) and state of function (SOF) of lithium Ion batteries. , 2015, , .		34
74	Guest Editorial New Trends of Demand Response in Smart Grids. IEEE Transactions on Industrial Informatics, 2015, 11, 1505-1508.	7.2	5
75	Distributed Optimal generation Dispatch considering transmission losses. , 2015, , .		4
76	Load scheduling with price uncertainty and temporally-coupled constraints in smart grids. , 2015, , .		2
77	A Survey on Demand Response in Smart Grids: Mathematical Models and Approaches. IEEE Transactions on Industrial Informatics, 2015, 11, 570-582.	7.2	724
78	A resilient distributed energy management algorithm for economic dispatch in the presence of misbehaving generation units. , 2015, , .		2
79	Condition Monitoring, Diagnosis, Prognosis, and Health Management for Wind Energy Conversion Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 6533-6535.	5.2	35
80	Joint Scheduling of Large-Scale Appliances and Batteries Via Distributed Mixed Optimization. IEEE Transactions on Power Systems, 2015, 30, 2031-2040.	4.6	31
81	Online convergence factor tuning for robust cooperative distributed economic dispatch. , 2015, , .		1
82	Distributed Real-Time Demand Response in Multisellerâ€"Multibuyer Smart Distribution Grid. IEEE Transactions on Power Systems, 2015, 30, 2364-2374.	4.6	113
83	Hybrid incremental cost consensus algorithm for smart grid distributed energy management under packet loss environment. , 2014, , .		3
84	Guest Editorial: Special Section on Information and Control Technologies in the Electrification of Transportation. IEEE Transactions on Industrial Informatics, 2014, 10, 1904-1906.	7.2	2
85	FPGA implementation of an observer for state of charge estimation in lithium-polymer batteries. , 2014, , .		11
86	Big-data framework for electric vehicle range estimation. , 2014, , .		43
87	Stability analysis for cooperative distributed generation dispatch in a Cyber-Physical environment. , 2014, , .		0
88	Guest Editorial Advanced Distributed Control of Energy Conversion Devices and Systems. IEEE Transactions on Energy Conversion, 2014, 29, 819-822.	3.7	1
89	Residential Energy Consumption Scheduling: A Coupled-Constraint Game Approach. IEEE Transactions on Smart Grid, 2014, 5, 1340-1350.	6.2	186
90	A Reputation-Based Secure Distributed Control Methodology in D-NCS. IEEE Transactions on Industrial Electronics, 2014, 61, 6294-6303.	5.2	40

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91	Resilient Distributed Control in the Presence of Misbehaving Agents in Networked Control Systems. IEEE Transactions on Cybernetics, 2014, 44, 2038-2049.	6.2	113
92	Field-Programmable System-on-Chip for Localization of UGVs in an Indoor iSpace. IEEE Transactions on Industrial Informatics, 2014, 10, 1033-1043.	7.2	28
93	Online Adaptive Parameter Identification and State-of-Charge Coestimation for Lithium-Polymer Battery Cells. IEEE Transactions on Industrial Electronics, 2014, 61, 2053-2061.	5.2	320
94	Load Scheduling With Price Uncertainty and Temporally-Coupled Constraints in Smart Grids. IEEE Transactions on Power Systems, 2014, 29, 2823-2834.	4.6	73
95	Incremental Welfare Consensus Algorithm for Cooperative Distributed Generation/Demand Response in Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 2836-2845.	6.2	242
96	Cooperative Distributed Demand Management for Community Charging of PHEV/PEVs Based on KKT Conditions and Consensus Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 1907-1916.	7.2	146
97	Modeling and Optimizing the Performance-Security Tradeoff on D-NCS Using the Coevolutionary Paradigm. IEEE Transactions on Industrial Informatics, 2013, 9, 394-402.	7.2	31
98	Battery Management System: An Overview of Its Application in the Smart Grid and Electric Vehicles. IEEE Industrial Electronics Magazine, 2013, 7, 4-16.	2.3	697
99	Asynchronous distributed cooperative energy management through gossip-based incremental cost consensus algorithm. , 2013, , .		14
100	Consensus-based distributed energy management with real-time pricing. , 2013, , .		13
101	Distributed energy management under smart grid plug-and-play operations. , 2013, , .		11
102	Sensitivity analysis of lithium-ion battery model to battery parameters. , 2013, , .		2
103	Convergence and recovery analysis of the secure distributed control methodology for D-NCS. , 2013, , .		4
104	Network cooperative distributed pricing control system for large-scale optimal charging of PHEVs/PEVs. , 2013, , .		16
105	Network coordinated distributed demand management for optimal large-scale charging of PHEVs/PEVs. , 2013, , .		3
106	Agent-based distributed consensus algorithm for decentralized economic dispatch in Smart Grid. , 2013, , .		13
107	Adaptive online battery parameters/SOC/capacity co-estimation. , 2013, , .		17
108	Batteries. Materials and Energy, 2013, , 405-426.	2.5	1

#	Article	IF	Citations
109	Framework for investigating the impact of PHEV charging on power distribution system and transportation network. , 2012, , .		20
110	Gene library for real-time monitoring of large scale time-sensitive systems. , 2012, , .		0
111	Modeling and analysis of battery hysteresis effects. , 2012, , .		19
112	Optimal Tradeoff Between Performance and Security in Networked Control Systems Based on Coevolutionary Algorithms. IEEE Transactions on Industrial Electronics, 2012, 59, 3016-3025.	5.2	65
113	Convergence Analysis of the Incremental Cost Consensus Algorithm Under Different Communication Network Topologies in a Smart Grid. IEEE Transactions on Power Systems, 2012, 27, 1761-1768.	4.6	558
114	Secure distributed control in unreliable D-NCS. , 2012, , .		11
115	Sampling rate selection influences on incremental cost consensus algorithm in decentralized economic dispatch. , 2012, , .		2
116	Adaptive parameter identification and State-of-Charge estimation of lithium-ion batteries. , 2012, , .		50
117	A digital testbed for a PHEV/PEV enabled parking lot in a Smart Grid environment. , 2012, , .		25
118	Computational intelligence-based energy management for a large-scale PHEV/PEV enabled municipal parking deck. Applied Energy, 2012, 96, 171-182.	5.1	148
119	A Survey on the Electrification of Transportation in a Smart Grid Environment. IEEE Transactions on Industrial Informatics, 2012, 8, 1-10.	7.2	642
120	CGA based performance-security trade-off optimization in a networked DC motor system. , 2012, , .		1
121	The Influence of Time Delays on Decentralized Economic Dispatch by Using Incremental Cost Consensus Algorithm. , 2012, , 313-326.		21
122	Auction-based Energy Management System of a large-scale PHEV municipal parking deck. , 2012, , .		5
123	Performance Evaluation of an EDA-Based Large-Scale Plug-In Hybrid Electric Vehicle Charging Algorithm. IEEE Transactions on Smart Grid, 2012, 3, 308-315.	6.2	316
124	Performance evaluation of a PHEV parking station using Particle Swarm Optimization. , 2011, , .		92
125	Decentralizing the economic dispatch problem using a two-level incremental cost consensus algorithm in a smart grid environment. , 2011, , .		75
126	Investigating a large-scale PHEV/PEV parking deck in a smart grid environment. , 2011, , .		39

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127	Cause-Effect Modeling and Spatial-Temporal Simulation of Power Distribution Fault Events. IEEE Transactions on Power Systems, 2011, 26, 794-801.	4.6	15
128	Gain-Scheduling-Based State Feedback Integral Control for Networked Control Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 2465-2472.	5.2	59
129	The leader election criterion for decentralized economic dispatch using incremental cost consensus algorithm. , 2011, , .		19
130	Similarity measures in Small World Stratification for distribution fault diagnosis. , 2011, , .		0
131	Evaluation on intelligent energy management system for PHEVs/PEVs using Monte Carlo method. , 2011, , .		9
132	Improving timing predictability in UGV control systems through FPGA implementation. , 2011, , .		0
133	Gene libraries for a next generation warning system in Intelligent Transportation. , 2011, , .		1
134	A trade-off model for performance and security in secured Networked Control Systems. , 2011, , .		30
135	Sensitivity analysis on battery modeling to large-scale PHEV/PEV charging algorithms. , 2011, , .		20
136	Intelligent methods for smart microgrids. , 2011, , .		8
137	Incremental cost consensus algorithm in a smart grid environment. , 2011, , .		104
138	Small world stratification for distribution fault diagnosis. , 2011, , .		1
139	Special Issue on Artificial Immune Systems: Theory and Applications. Neural Computing and Applications, 2010, 19, 647-647.	3.2	0
140	Theory and applications of artificial immune systems. Neural Computing and Applications, 2010, 19, 1101-1102.	3.2	6
141	Synthesis of pseudo GPS coordinates with real data image capture for vehicular system. , 2010, , .		2
142	Behavioral control based adaptive bandwidth allocation in a system of Unmanned Ground Vehicles. , 2010, , .		8
143	Realization and validation of Delay Tolerant Behavior Control based Adaptive Bandwidth Allocation for networked control system. , 2010, , .		4
144	Time-sensitive network-control systems and applications. , 2010, , .		0

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145	An analysis of Artificial Immune System and Genetic Algorithm in urban path planning. , 2010, , .		4
146	Cause-effect modeling and simulation of power distribution fault events. , 2010, , .		0
147	Microgrid planning and operation: Solar energy and wind energy. , 2010, , .		27
148	Statistical Feature Selection From Massive Data in Distribution Fault Diagnosis. IEEE Transactions on Power Systems, 2010, 25, 642-648.	4.6	43
149	Analysis of two FPGA design methodologies applied to an image processing system. , 2010, , .		6
150	A Delay-Tolerant Potential-Field-Based Network Implementation of an Integrated Navigation System. IEEE Transactions on Industrial Electronics, 2010, 57, 769-783.	5.2	37
151	Networked Control System: Overview and Research Trends. IEEE Transactions on Industrial Electronics, 2010, 57, 2527-2535.	5.2	926
152	Comprehensive dynamic battery modeling for PHEV applications. , 2010, , .		46
153	On-line PHEV battery hysteresis effect dynamics modeling. , 2010, , .		17
154	Evaluation of distribution fault diagnosis algorithms using ROC curves. , 2010, , .		5
155	Predictive constrained gain scheduling for UGV path tracking in a networked control system. , 2009, , .		5
156	Predictive control of multiple UGVs in a NCS with adaptive bandwidth allocation. , 2009, , .		5
157	Optimal Stabilizing Gain Selection for Networked Control Systems With Time Delays and Packet Losses. IEEE Transactions on Control Systems Technology, 2009, 17, 1154-1162.	3.2	103
158	Exploratory analysis of massive data for distribution fault diagnosis in smart grids. , 2009, , .		21
159	Intelligent energy management system simulator for PHEVs at municipal parking deck in a smart grid environment. , 2009, , .		69
160	Analysis on the kalman filter performance in GPS/INS integration at different noise levels, sampling periods and curvatures. , 2009, , .		4
161	Evaluation of ZigBee communication platform for controlling the charging of PHEVs at a municipal parking deck. , 2009, , .		29
162	EDA-Based Speed Control of a Networked DC Motor System With Time Delays and Packet Losses. IEEE Transactions on Industrial Electronics, 2009, 56, 1727-1735.	5.2	80

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163	Guest Editorial Introduction to the Focused Section on Mechatronics in Multirobot Systems. IEEE/ASME Transactions on Mechatronics, 2009, 14, 133-140.	3.7	10
164	Predictive observer–based control for networked control systems with network–induced delay and packet dropout. Asian Journal of Control, 2008, 10, 638-650.	1.9	28
165	Optimization and stabilization of networked control systems: An Estimation of Distribution Algorithm approach. , 2008, , .		2
166	On the Use of a Lower Sampling Rate for Broken Rotor Bar Detection With DTFT and AR-Based Spectrum Methods. IEEE Transactions on Industrial Electronics, 2008, 55, 1421-1434.	5.2	110
167	Performance assessment and compensation for secure networked control systems. , 2008, , .		27
168	Speed control of a networked DC motor system with time delays and packet losses. , 2008, , .		2
169	State feedback controller design of networked control systems with time delay and packet dropout. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 6626-6631.	0.4	7
170	A simple state feedback controller design method of networked control systems with time delay and packet dropout. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12575-12580.	0.4	3
171	Overview of Networked Control Systems. , 2008, , 1-23.		34
172	Information security with real-time operation: performance assessment for next generation wireless distributed networked-control-systems. , 2007, , .		10
173	Stabilization of Networked Control Systems with Time Delay and Packet Dropout Â¿ Part II. , 2007, , .		11
174	Performance Assessment of Data and Time-Sensitive Wireless Distributed Networked-Control-Systems in Presence of Information Security. , 2007, , .		7
175	Sampling Rate Scheduling and Digital Filter Co-design of Networked Supervisory Control System. , 2007, , .		2
176	A Fuzzy Membership Function Design Methodology Based on Histogram and ROC Curve Analyses for Broken Rotor Bar Detection. , 2007, , .		3
177	LAP: Link-Aware Protection for Improving Performance of Loss and Delay Sensitive Applications in Wireless LANs. , 2007, , .		1
178	Accumulated effect parameter tuning method for geometrical path tracking of wheeled mobile robots. , 2007, , .		0
179	Stabilization of Networked Control Systems with Time Delay and Packet Dropout Â¿ Part I. , 2007, , .		9
180	Power Distribution Outage Cause Identification using Fuzzy Artificial Immune Recognition Systems (FAIRS) algorithm. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	2

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181	Scheduling a Life Science High-Throughput Platform under Starvation Constraints Using Timed Transition Petri Nets and Heuristic Search. , 2007, , .		2
182	Power Distribution Outage Cause Identification With Imbalanced Data Using Artificial Immune Recognition System (AIRS) Algorithm. IEEE Transactions on Power Systems, 2007, 22, 198-204.	4.6	51
183	Characterization of data-sensitive wireless distributed networked-control-systems. , 2007, , .		7
184	Timed Petri Net Modeling and Simulation of a High-Throughput Biological Screening Process. , 2007, , .		2
185	Resource Allocation for a Life Science Automation Line: a Petri nets Approach. , 2007, , .		0
186	Power Distribution Fault Cause Identification With Imbalanced Data Using the Data Mining-Based Fuzzy Classification E-Algorithm. IEEE Transactions on Power Systems, 2007, 22, 164-171.	4.6	107
187	Data Mining Based Fuzzy Classification Algorithm for Imbalanced Data. , 2006, , .		4
188	A Delay-tolerant, Potential field-based, Network Implementation of an Integrated Navigation System. , 2006, , .		3
189	A Network based, Delay-tolerant, Integrated Navigation System for a differential drive UGV using Harmonic Potential Field. , 2006, , .		11
190	A Classification Approach for Power Distribution Systems Fault Cause Identification. IEEE Transactions on Power Systems, 2006, 21, 53-60.	4.6	134
191	Data Mining and Analysis of Tree-Caused Faults in Power Distribution Systems. , 2006, , .		25
192	Using the Data Mining Based Fuzzy Classification Algorithm for Power Distribution Fault Cause Identification with Imbalanced Data. , 2006, , .		8
193	Adaptive Multiple Sampling Rate Scheduling of Real-time Networked Supervisory Control System - Part II. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	14
194	Timed Petri Nets Modelling of High-Throughput Screening Process for Fault Study. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	2
195	Implementation of Artificial Neural Network for Real Time Applications Using Field Programmable Analog Arrays. , 2006, , .		5
196	Adaptive Multiple Sampling Rate Scheduling of Real-time Networked Supervisory Control System - Part I. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	4
197	Control gain adaptation in virtual reality mediated human-telerobot interaction. Human Factors and Ergonomics in Manufacturing, 2005, 15, 259-274.	1.4	24
198	Multiple Signature Processing-Based Fault Detection Schemes for Broken Rotor Bar in Induction Motors. IEEE Transactions on Energy Conversion, 2005, 20, 336-343.	3.7	92

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199	Gain scheduling middleware for networked mobile robot control. , 2004, , .		10
200	Gain Scheduler Middleware: A Methodology to Enable Existing Controllers for Networked Control and Teleoperationâ€"Part II: Teleoperation. IEEE Transactions on Industrial Electronics, 2004, 51, 1228-1237.	5.2	94
201	Gain Scheduler Middleware: A Methodology to Enable Existing Controllers for Networked Control and Teleoperationâ€"Part I: Networked Control. IEEE Transactions on Industrial Electronics, 2004, 51, 1218-1227.	5.2	138
202	On the Gain Scheduling for Networked PI Controller Over IP Network. IEEE/ASME Transactions on Mechatronics, 2004, 9, 491-498.	3.7	84
203	Model predictive path tracking via middleware for networked mobile robot over IP network. , 2004, , .		1
204	Control methodologies in networked control systems. Control Engineering Practice, 2003, 11, 1099-1111.	3.2	876
205	Gain adaptation of networked dc motor controllers based on qos variations. IEEE Transactions on Industrial Electronics, 2003, 50, 936-943.	5.2	108
206	The Effects of Gain Adaptation on Qos Deterioration in an Internet-Based Teleoperation Using a Virtual Reality Interface. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 2088-2091.	0.2	0
207	Characterization of coil faults in an axial flux variable reluctance PM motor. IEEE Transactions on Energy Conversion, 2002, 17, 340-348.	3.7	21
208	Guest editorial special section on motor fault detection and diagnosis. IEEE Transactions on Industrial Electronics, 2000, 47, 982-983.	5.2	39
209	A "mutual update" training algorithm for fuzzy adaptive logic control/decision network (FALCON). IEEE Transactions on Neural Networks, 1999, 10, 196-199.	4.8	9
210	Phase balancing using simulated annealing. IEEE Transactions on Power Systems, 1999, 14, 1508-1513.	4.6	97
211	Heuristic constraints enforcement for training of and rule extraction from a fuzzy/neural architecture. II. Implementation and application. IEEE Transactions on Fuzzy Systems, 1999, 7, 151-159.	6.5	19
212	Heuristic constraints enforcement for training of and knowledge extraction from a fuzzy/neural architecture. I. Foundation. IEEE Transactions on Fuzzy Systems, 1999, 7, 143-150.	6.5	27
213	Application of fuzzy multi-objective decision making in spatial load forecasting. IEEE Transactions on Power Systems, 1998, 13, 1185-1190.	4.6	61
214	Phase balancing using mixed-integer programming [distribution feeders]. IEEE Transactions on Power Systems, 1998, 13, 1487-1492.	4.6	118
215	Application of functional link neural network to HVAC thermal dynamic system identification. IEEE Transactions on Industrial Electronics, 1998, 45, 170-176.	5.2	78
216	Detection of common motor bearing faults using frequency-domain vibration signals and a neural network based approach. , 1998, , .		27

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217	A review of emerging techniques on generation expansion planning. IEEE Transactions on Power Systems, 1997, 12, 1722-1728.	4.6	132
218	Control Systems. The Electrical Engineering Handbook, 1997, , .	0.2	0
219	A novel fuzzy friction compensation approach to improve the performance of a DC motor control system. IEEE Transactions on Industrial Electronics, 1996, 43, 113-120.	5.2	73
220	Time of outage restoration analysis in distribution systems. IEEE Transactions on Power Delivery, 1996, 11, 1652-1658.	2.9	28
221	A knowledge-based approach to improve neural network control design. Mechatronics, 1995, 5, 949-962.	2.0	3
222	Using a neural/fuzzy system to extract heuristic knowledge of incipient faults in induction motors. Part I-Methodology. IEEE Transactions on Industrial Electronics, 1995, 42, 131-138.	5.2	108
223	Using a neural/fuzzy system to extract heuristic knowledge of incipient faults in induction motors: Part II-Application. IEEE Transactions on Industrial Electronics, 1995, 42, 139-146.	5.2	22
224	Analysis and prevention of animal-caused faults in power distribution systems. IEEE Transactions on Power Delivery, 1995, 10, 995-1001.	2.9	30
225	RELATIONSHIP BETWEEN A FUZZY LOGIC AND A STEEPEST DESCENT APPROACH TO OPTIMIZE A FEEDFORWARD ARTIFICIAL NEURAL NETWORK CONFIGURATION. International Journal of Neural Systems, 1994, 05, 299-312.	3.2	0
226	Bernoulli error measure approach to train feedforward artificial neural networks for classification problems. , 1994, , .		2
227	An analysis of weight decay as a methodology of reducing three-layer feedforward artificial neural networks for classification problems. , 1994, , .		12
228	A novel approach for distribution fault analysis. IEEE Transactions on Power Delivery, 1993, 8, 1882-1889.	2.9	22
229	A MEASURE OF RELATIVE ROBUSTNESS FOR FEEDFORWARD NEURAL NETWORKS SUBJECT TO SMALL INPUT PERTURBATIONS. International Journal of Neural Systems, 1992, 03, 291-299.	3.2	9
230	APPLICATION OF LEARNING THEORY TO AN ARTIFICIAL NEURAL NETWORK THAT DETECTS INCIPIENT FAULTS IN SINGLE-PHASE INDUCTION MOTORS. International Journal of Neural Systems, 1991, 02, 91-100.	3.2	22
231	Incipient Fault Detection In DC Machines Using A Neural Network. , 0, , .		14
232	Adaptation of a neural/fuzzy fault detection system. , 0, , .		13
233	Neural/fuzzy systems for incipient fault detection in induction motors. , 0, , .		9
234	A design methodology for an intelligent controller using fuzzy logic and artificial neural networks. , 0, , .		6

#	Article	IF	Citations
235	Use of a fuzzy gain tuner for improved control of a DC motor system with nonlinearities. , 0, , .		1
236	A self-organized CMAC controller. , 0, , .		11
237	Using a cerebellar model for FES control of the upper limb. , 0, , .		0
238	The advantages of machine fault detection using artificial neural network and fuzzy logic technologies. , 0, , .		1
239	Methodology of urban re-development considerations in spatial load forecasting. , 0, , .		3
240	Application of fuzzy logic technology for spatial load forecasting. , 0, , .		5
241	Reduced-order functional link neural network for HVAC thermal system identification and modeling. , 0, , .		4
242	Comparative analysis of fuzzy inference systems implemented on neural structures. , 0, , .		13
243	Knowledge based technique to enhance the performance of neural network based motor fault detectors. , 0, , .		4
244	Motor bearing fault diagnosis by a fundamental frequency amplitude based fuzzy decision system. , 0, , .		16
245	Set theoretic based neural-fuzzy motor fault detector. , 0, , .		7
246	Enhancement of the performance of a neural network based motor fault detector using graphical data analysis techniques. , 0, , .		1
247	Fuzzy logic microcontroller implementation for DC motor speed control. , 0, , .		42
248	Neural plug-in motor coil thermal modeling. , 0, , .		3
249	Network-based controller adaptation based on QoS negotiation and deterioration. , 0, , .		24
250	Network-based controlled DC motor with fuzzy compensation. , 0, , .		32
251	Network-based control systems: a tutorial. , 0, , .		118
252	Network-based control adaptation for network QoS variation. , 0, , .		3

#	Article	IF	Citations
253	PI parameterization using adaptive fuzzy modulation (AFM) for networked control systems. II. Full adaptation. , 0, , .		9
254	PI parameterization using adaptive fuzzy modulation (AFM) for networked control systems. I. Partial adaptation. , 0, , .		4
255	Optimal excitation of a permanent magnet synchronous motor having an open-circuit phase. , 0, , .		1
256	Gain adaptation of networked mobile robot to compensate QoS deterioration. , 0, , .		18
257	A case study on the comparison of non-parametric spectrum methods for broken rotor bar fault detection. , 0, , .		10
258	An implementation of a networked PI controller over IP network. , 0, , .		9
259	Neural network middleware for model predictive path tracking of networked mobile robot over IP network. , 0, , .		4
260	Stabilization of networked pi control system using fuzzy logic modulation. , 0, , .		7
261	On the gain scheduling for networked PI controller over IP network. , 0, , .		7
262	Feedback preprocessed unmanned ground vehicle network-based controller characterization. , 0, , .		7
263	Comparisons of logistic regression and artificial neural network on power distribution systems fault cause identification. , 0, , .		7
264	Mobile Agent Gain Scheduler Control in Inter-Continental Intelligent Space. , 0, , .		8
265	Intelligent space with time sensitive applications. , 0, , .		19
266	A Bidirectional Reliable Transport Mechanism for Wireless Sensor Networks. , 0, , .		5
267	Controlling a path-tracking unmanned ground vehicle with a field-programmable analog array. , 0, , .		1
268	Power Distribution Systems Fault Cause Identification using Logistic Regression and Artificial Neural Network. , 0, , .		7
269	On the Investigation of Artificial Immune Systems on Imbalanced Data Classification for Power Distribution System Fault Cause Identification. , 0, , .		3
270	Implementation of Artificial Neural Network for Real Time Applications Using Field Programmable Analog Arrays. , 0, , .		0