David J Hill

List of Publications by Year
in descending order

410 papers	24,427 citations	11651 70 h-index	9103 144 g-index
411 all docs	411 docs citations	411 times ranked	11447 citing authors

#	Article	IF	Citations
1	Scenario and Sensitivity Based Stability Analysis of the High Renewable Future Grid. IEEE Transactions on Power Systems, 2022, 37, 3238-3248.	6.5	5
2	Distributed Real-Time Dispatch of Integrated Electricity and Heat Systems With Guaranteed Feasibility. IEEE Transactions on Industrial Informatics, 2022, 18, 1175-1185.	11.3	19
3	A real-time continuous monitoring system for long-term voltage stability with sliding 3D convolutional neural network. International Journal of Electrical Power and Energy Systems, 2022, 134, 107378.	5.5	4
4	Networked Time Series Shapelet Learning for Power System Transient Stability Assessment. IEEE Transactions on Power Systems, 2022, 37, 416-428.	6.5	19
5	Semi-Supervised Ensemble Learning Framework for Accelerating Power System Transient Stability Knowledge Base Generation. IEEE Transactions on Power Systems, 2022, 37, 2441-2454.	6.5	8
6	Data/Model Jointly Driven High-Quality Case Generation for Power System Dynamic Stability Assessment. IEEE Transactions on Industrial Informatics, 2022, 18, 5055-5066.	11.3	9
7	Enhancing Flexibility at the Transmission-Distribution Interface With Power Flow Routers. IEEE Transactions on Power Systems, 2022, 37, 2948-2960.	6.5	1
8	Auto-Starting Semisupervised-Learning-Based Identification of Synchrophasor Data Anomalies. IEEE Internet of Things Journal, 2022, 9, 13651-13663.	8.7	2
9	Chance-Constrained OPF in Droop-Controlled Microgrids With Power Flow Routers. IEEE Transactions on Smart Grid, 2022, 13, 2601-2613.	9.0	5
10	Convex Relaxation of AC Optimal Power Flow With Flexible Transmission Line Impedances. IEEE Transactions on Power Systems, 2022, 37, 3129-3132.	6.5	2
11	Dissipativity, Stability, and Connections: Progress in Complexity. IEEE Control Systems, 2022, 42, 88-106.	0.8	2
12	A data-driven distributed and easy-to-transfer method for short-term voltage stability assessment. International Journal of Electrical Power and Energy Systems, 2022, 139, 107960.	5.5	4
13	Learning-Based Topology Optimization of Power Networks. IEEE Transactions on Power Systems, 2022, , 1-1.	6.5	1
14	Impact of Large-scale concentrated solar power on energy and auxiliary markets. Applied Energy, 2022, 318, 119216.	10.1	2
15	Formulating Connectedness in Security-Constrained Optimal Transmission Switching Problems. IEEE Transactions on Power Systems, 2022, 37, 4137-4140.	6.5	3
16	Fault Detection for a Class of Uncertain Sampled-Data Systems Using Deterministic Learning. IEEE Transactions on Cybernetics, 2021, 51, 5930-5940.	9.5	2
17	Output Synchronization of Heterogeneous Networked Linear MIMO Systems: $gamma$-Stabilization and H_infty Control. IEEE Transactions on Control of Network Systems, 2021, 8, 147-157.	3.7	4
18	Decentralized Event-Triggered Frequency Control With Guaranteed L _{âˆž}-Gain for Multi-Area Power Systems. , 2021, 5, 373-378.		13

#	Article	IF	Citations
19	Zero-Error Consensus Tracking With Preassignable Convergence for Nonaffine Multiagent Systems. IEEE Transactions on Cybernetics, 2021, 51, 1300-1310.	9.5	22
20	Distributionally Robust Optimal Power Flow in Multi-Microgrids With Decomposition and Guaranteed Convergence. IEEE Transactions on Smart Grid, 2021, 12, 43-55.	9.0	56
21	An Optimal Placement Model for Electric Springs in Distribution Networks. IEEE Transactions on Smart Grid, 2021, 12, 491-501.	9.0	10
22	Stabilization to Exponential Input-to-State Stability via Aperiodic Intermittent Control. IEEE Transactions on Automatic Control, 2021, 66, 2913-2919.	5.7	53
23	Distributed MPC-based frequency control for multi-area power systems with energy storage. Electric Power Systems Research, 2021, 190, 106642.	3.6	11
24	Distributed Optimal Generation and Load-Side Control for Frequency Regulation in Power Systems. IEEE Transactions on Automatic Control, 2021, 66, 2724-2731.	5.7	8
25	Definition and Classification of Power System Stability â€“ Revisited & Extended. IEEE Transactions on Power Systems, 2021, 36, 3271-3281.	6.5	404
26	Intelligent Short-Term Voltage Stability Assessment via Spatial Attention Rectified RNN Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 7005-7016.	11.3	32
27	An Adaptive Distributionally Robust Model for Three-Phase Distribution Network Reconfiguration. IEEE Transactions on Smart Grid, 2021, 12, 1224-1237.	9.0	47
28	Cost-Effective Bad Synchrophasor Data Detection Based on Unsupervised Time-Series Data Analytic. IEEE Internet of Things Journal, 2021, 8, 2027-2039.	8.7	10
29	Distributed Coordinated Reactive Power Control for Voltage Regulation in Distribution Networks. IEEE Transactions on Smart Grid, 2021, 12, 312-323.	9.0	61
30	Ensuring Network Connectedness in Optimal Transmission Switching Problems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2603-2607.	3.0	7
31	A Hierarchical Framework for Ambient Signals Based Load Modeling: Exploring the Hidden Quasi-Convexity. IEEE Transactions on Power Systems, 2021, 36, 5780-5791.	6.5	6
32	Spatialâ€“Temporal Data Analysis-Based Event Detection in Weakly Damped Power Systems. IEEE Transactions on Smart Grid, 2021, 12, 5472-5474.	9.0	5
33	Distributed Model Predictive Frequency Control of Inverter-Based Networked Microgrids. IEEE Transactions on Energy Conversion, 2021, 36, 2623-2633.	5.2	7
34	Distribution Network Reconfiguration for Short-Term Voltage Stability Enhancement: An Efficient Deep Learning Approach. IEEE Transactions on Smart Grid, 2021, 12, 5385-5395.	9.0	28
35	Incentive-based coordination mechanism for distributed operation of integrated electricity and heat systems. Applied Energy, 2021, 285, 116373.	10.1	23
36	Decentralized event-triggered frequency regulation for multi-area power systems. Automatica, 2021, 126, 109479.	5.0	11

#	Article	IF	Citations
37	Non-Disruptive MPC-Based Frequency and Voltage Control in Microgrids. , 2021, , .		0
38	Event-triggered controllers based on the supremum norm of sampling-induced error. Automatica, 2021, 128, 109532.	5.0	6
39	A Secondary Control Method for Voltage Unbalance Compensation and Accurate Load Sharing in Networked Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 2822-2833.	9.0	29
40	Stability of inverter-interfaced power systems with multi-scale-free properties. Physica A: Statistical Mechanics and Its Applications, 2021, 581, 126232.	2.6	0
41	Dispatch of virtual inertia and damping: Numerical method with SDP and ADMM. International Journal of Electrical Power and Energy Systems, 2021, 133, 107259.	5.5	1
42	Microgrid Stability Enhancement by Incorporating BESS Droop Gain Tuning. , 2021, , .		2
43	Identification of Composite Demand Side Model With Distributed Photovoltaic Generation and Energy Storage. IEEE Transactions on Sustainable Energy, 2020, 11, 326-336.	8.8	22
44	An Interconnected Microgrids-Based Transactive Energy System With Multiple Electric Springs. IEEE Transactions on Smart Grid, 2020, 11, 184-193.	9.0	21
45	Cascading risk assessment in power-communication interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 120496.	2.6	18
46	Distributed Fast Fault Diagnosis for Multimachine Power Systems via Deterministic Learning. IEEE Transactions on Industrial Electronics, 2020, 67, 4152-4162.	7.9	22
47	Optimal Electric Spring Allocation for Risk-Limiting Voltage Regulation in Distribution Systems. IEEE Transactions on Power Systems, 2020, 35, 273-283.	6.5	19
48	A New Formulation of Distribution Network Reconfiguration for Reducing the Voltage Volatility Induced by Distributed Generation. IEEE Transactions on Power Systems, 2020, 35, 496-507.	6.5	59
49	Hierarchical Optimal Allocation of Battery Energy Storage Systems for Multiple Services in Distribution Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 1911-1921.	8.8	76
50	A general coordinated voltage regulation method in distribution networks with soft open points. International Journal of Electrical Power and Energy Systems, 2020, 116, 105571.	5.5	23
51	Small-Disturbance Voltage Stability of Power Systems: Dependence on Network Structure. IEEE Transactions on Power Systems, 2020, 35, 2609-2618.	6.5	12
52	Optimal Operation of Electric Springs for Voltage Regulation in Distribution Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 2551-2561.	11.3	11
53	Distributed control of active distribution networks to support voltage control in subtransmission networks. International Journal of Electrical Power and Energy Systems, 2020, 117, 105715.	5.5	7
54	Hierarchical Deep Learning Machine for Power System Online Transient Stability Prediction. IEEE Transactions on Power Systems, 2020, 35, 2399-2411.	6.5	94

#	Article	IF	Citations
55	Adaptive mechanisms to refund emissions payments. Applied Energy, 2020, 278, 115689.	10.1	0
56	Towards planning for flexible future grids under high power injection diversity. Electric Power Systems Research, 2020, 189, 106687.	3.6	1
57	The optimal admittance matrix problem in DC networks. Electric Power Systems Research, 2020, 189, 106754.	3.6	1
58	Knowledge Transfer for Long-term Voltage Stability Assessment Between Power Grids Based on Deep Domain Adaptation Networks. , 2020, , .		2
59	A deep learning-based general robust method for network reconfiguration in three-phase unbalanced active distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 120, 105982.	5.5	33
60	Large-scale aggregation of prosumers toward strategic bidding in joint energy and regulation markets. Applied Energy, 2020, 271, 115159.	10.1	37
61	Can graph properties determine future grid adequacy for power injection diversity?. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 124165.	2.6	0
62	Distributed inter-area oscillation damping control for power systems by using wind generators and load aggregators. International Journal of Electrical Power and Energy Systems, 2020, 123, 106201.	5.5	5
63	Synchronization of Kuramoto Oscillators: A Regional Stability Framework. IEEE Transactions on Automatic Control, 2020, 65, 5070-5082.	5.7	17
64	Network-based analysis of long-term voltage stability considering loads with recovery dynamics. International Journal of Electrical Power and Energy Systems, 2020, 119, 105891.	5.5	7
65	Grid inadequacy assessment for high power injection diversity. Part I: Framework and metrics. International Journal of Electrical Power and Energy Systems, 2020, 118, 105830.	5.5	4
66	Grid inadequacy assessment for high power injection diversity Part II: Finding grid expansion options. International Journal of Electrical Power and Energy Systems, 2020, 118, 105831.	5.5	2
67	A minimum cut-set vulnerability analysis of power networks. Sustainable Energy, Grids and Networks, 2020, 21, 100302.	3.9	9
68	A Data-Based Learning and Control Method for Long-Term Voltage Stability. IEEE Transactions on Power Systems, 2020, 35, 3203-3212.	6.5	17
69	Closure to Discussion on â€œA New Formulation of Distribution Network Reconfiguration for Reducing the Voltage Volatility Induced by Distributed Generationâ€• IEEE Transactions on Power Systems, 2020, 35, 4975-4976.	6.5	2
70	Electric Autonomous Vehicle Charging and Parking Coordination for Vehicle-to-Grid Voltage Regulation with Renewable Energy. , 2020, , .		4
71	H2-Norm Transmission Switching to Improve Synchronism of Low-Inertia Power Grids. IFAC-PapersOnLine, 2020, 53, 13299-13304.	0.9	3
72	Enhanced ambient signals based load model parameter identification with ensemble learning initialisation. IET Generation, Transmission and Distribution, 2020, 14, 5877-5887.	2.5	4

#	Article	IF	Citations
73	Reducing BESS Capacity for Accommodating Renewables in Subtransmission Systems with Power Flow Routers. , 2020, , .		3
74	Delay Aware Power System Synchrophasor Recovery and Prediction Framework. IEEE Transactions on Smart Grid, 2019, 10, 3732-3742.	9.0	39
75	Impact of DG Connection Topology on the Stability of Inverter-Based Microgrids. IEEE Transactions on Power Systems, 2019, 34, 3970-3972.	6.5	22
76	On Extension of Effective Resistance With Application to Graph Laplacian Definiteness and Power Network Stability. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4415-4428.	5.4	16
77	Frequency Constrained Optimal Siting and Sizing of Energy Storage. IEEE Access, 2019, 7, 91785-91798.	4.2	9
78	Granular loadâ€side frequency control with electric spring aggregators and leaderâ€“follower consensus. IET Generation, Transmission and Distribution, 2019, 13, 1700-1708.	2.5	4
79	Decentralized MPC-Based Frequency Control of Networked Microgrids. , 2019, , .		2
80	Load Flow Calculation Considering Droop Control in Distribution Networks: A Convex Optimization Approach. , 2019, , .		0
81	Impact of Network Structure on Short-Term Voltage Stability Using Data-Driven Method. , 2019, , .		5
82	Emissions reduction and wholesale electricity price targeting using an output-based mechanism. Applied Energy, 2019, 242, 1050-1063.	10.1	10
83	Distributed MPC-Based Frequency Control in Networked Microgrids With Voltage Constraints. IEEE Transactions on Smart Grid, 2019, 10, 6343-6354.	9.0	48
84	HIGHER EDUCATION OUTREACH: EXAMINING KEY CHALLENGES FOR ACADEMICS. British Journal of Educational Studies, 2019, 67, 469-491.	1.3	4
85	Synchrophasor Recovery and Prediction: A Graph-Based Deep Learning Approach. IEEE Internet of Things Journal, 2019, 6, 7348-7359.	8.7	29
86	Data-Driven Fast Transient Stability Assessment Using (Fault-on + 2) Generator Trajectories. , 2019, , .		4
87	Load Stability Index for Short-term Voltage Stability Assessment. , 2019, , .		2
88	Distributed Optimization for Multi-Time Slot Economic Dispatch. , 2019, , .		1
89	Impact of High Penetration of Renewable Resources on Power System Transient Stability. , 2019, , .		12
90	Optimal Allocation of Virtual Inertia and Damping for Energy Storage. , 2019, , .		1

#	Article	IF	Citations
91	Fast Distributed Reactive Power Control for Voltage Regulation in Distribution Networks. IEEE Transactions on Power Systems, 2019, 34, 802-805.	6.5	84
92	State-in-mode analysis of the power flow Jacobian for static voltage stability. International Journal of Electrical Power and Energy Systems, 2019, 105, 671-678.	5.5	21
93	Online Scheduling for Hierarchical Vehicle-to-Grid System: Design, Formulation, and Algorithm. IEEE Transactions on Vehicular Technology, 2019, 68, 1302-1317.	6.3	45
94	GPU-Based Enumeration Model Predictive Control of Pumped Storage to Enhance Operational Flexibility. IEEE Transactions on Smart Grid, 2019, 10, 5223-5233.	9.0	11
95	Eventâ€triggered control via impulses for exponential stabilization of discreteâ€time delayed systems and networks. International Journal of Robust and Nonlinear Control, 2019, 29, 1613-1638.	3.7	43
96	Static Voltage Stability Analysis of Distribution Systems Based on Network-Load Admittance Ratio. IEEE Transactions on Power Systems, 2019, 34, 2270-2280.	6.5	44
97	Switched distributed load-side frequency control of power systems. International Journal of Electrical Power and Energy Systems, 2019, 105, 709-716.	5.5	7
98	Enhancing Flexibility of an Islanded Microgrid With Electric Springs. IEEE Transactions on Smart Grid, 2019, 10, 899-909.	9.0	37
99	Short-Term Residential Load Forecasting Based on LSTM Recurrent Neural Network. IEEE Transactions on Smart Grid, 2019, 10, 841-851.	9.0	1,424
100	Small Fault Detection for a Class of Closed-Loop Systems via Deterministic Learning. IEEE Transactions on Cybernetics, 2019, 49, 897-906.	9.5	27
101	Online Distributed MPC-Based Optimal Scheduling for EV Charging Stations in Distribution Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 638-649.	11.3	135
102	Generic Demand Model Considering the Impact of Prosumers for Future Grid Scenario Analysis. IEEE Transactions on Smart Grid, 2019, 10, 819-829.	9.0	40
103	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. IEEE Transactions on Cybernetics, 2019, 49, 1138-1147.	9.5	274
104	Coordinated Dispatch of Virtual Energy Storage Systems in Smart Distribution Networks for Loading Management. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 776-786.	9.3	44
105	Stability under events for a class of hybrid dynamical systems with continuous and discrete time variables. IET Control Theory and Applications, 2019, 13, 1543-1553.	2.1	1
106	Stabilization of Discrete-Time Dynamical Systems Under Event-Triggered Impulsive Control with and Without Time-Delays. Journal of Systems Science and Complexity, 2018, 31, 130-146.	2.8	10
107	Frequency Support From Wind Turbine Generators With a Time-Variable Droop Characteristic. IEEE Transactions on Sustainable Energy, 2018, 9, 676-684.	8.8	84
108	Multiagent System Based Microgrid Energy Management via Asynchronous Consensus ADMM. IEEE Transactions on Energy Conversion, 2018, 33, 886-888.	5.2	57

#	Article	IF	Citations
109	Input-to-state-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi mathvariant="script">K</mml:mi><mml:mi mathvariant="script">L</mml:mi></mml:mrow></mml:math>-stability and criteria for a class of hybrid dynamical systems. Applied Mathematics and Computation, 2018, 326, 124-140.	2.2	73
110	Distributed Voltage Control and Power Management of Networked Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1892-1902.	5.4	43
111	A Fast Local Search Scheme for Adaptive Coordinated Voltage Control. IEEE Transactions on Power Systems, 2018, 33, 2321-2330.	6.5	5
112	Input-to-State Stability Based Control of Doubly Fed Wind Generator. IEEE Transactions on Power Systems, 2018, 33, 2949-2961.	6.5	14
113	A Framework for Assessing Renewable Integration Limits With Respect to Frequency Performance. IEEE Transactions on Power Systems, 2018, 33, 4444-4453.	6.5	61
114	A Hierarchical Hidden Markov Model Framework for Home Appliance Modeling. IEEE Transactions on Smart Grid, 2018, 9, 3079-3090.	9.0	94
115	An Extensible Approach for Non-Intrusive Load Disaggregation With Smart Meter Data. IEEE Transactions on Smart Grid, 2018, 9, 3362-3372.	9.0	139
116	Fast Stability Scanning for Future Grid Scenario Analysis. IEEE Transactions on Power Systems, 2018, 33, 514-524.	6.5	21
117	Robust Dispatch of High Wind Power-Penetrated Power Systems Against Transient Instability. IEEE Transactions on Power Systems, 2018, 33, 174-186.	6.5	52
118	Hierarchical Voltage Control of Weak Subtransmission Networks With High Penetration of Wind Power. IEEE Transactions on Power Systems, 2018, 33, 187-197.	6.5	19
119	Characterization of Cutsets in Networks With Application to Transient Stability Analysis of Power Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 1261-1274.	3.7	11
120	Network-Based Analysis of Small-Disturbance Angle Stability of Power Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 901-912.	3.7	31
121	Short-Term Residential Load Forecasting Based on Resident Behaviour Learning. IEEE Transactions on Power Systems, 2018, 33, 1087-1088.	6.5	440
122	Distributed Secondary Frequency Control Algorithm Considering Storage Efficiency. IEEE Transactions on Smart Grid, 2018, 9, 6214-6228.	9.0	32
123	Intelligent Time-Adaptive Transient Stability Assessment System. IEEE Transactions on Power Systems, 2018, 33, 1049-1058.	6.5	210
124	Optimal Operation of Battery Energy Storage System Considering Distribution System Uncertainty. IEEE Transactions on Sustainable Energy, 2018, 9, 1051-1060.	8.8	87
125	A unified framework for wide area measurement system planning. International Journal of Electrical Power and Energy Systems, 2018, 96, 43-51.	5.5	11
126	Inputâ€toâ€state exponents and related ISS for delayed discreteâ€time systems with application to impulsive effects. International Journal of Robust and Nonlinear Control, 2018, 28, 640-660.	3.7	67

#	Article	IF	Citations
127	Fault Detection for Power Systems Using Deterministic Learning. , 2018, , .		0
128	Supplementary Frequency Regulation with Multiple Virtual Energy Storage System Aggregators. Electric Power Components and Systems, 2018, 46, 1719-1730.	1.8	4
129	Zero-Error Consensus Tracking of Uncertain Nonlinear Multi-Agent Systems. , 2018, , .		0
130	Transient Stability-Constrained Optimal Power Flow with Power Flow Routers. , 2018, , .		1
131	Clustering of Uncertain Load Model Parameters with K-medoids Algorithm. , 2018, , .		3
132	Delay aware transient stability assessment with synchrophasor recovery and prediction framework. Neurocomputing, 2018, 322, 187-194.	5.9	12
133	Stabilisation to inputâ€toâ€state stability for continuousâ€time dynamical systems via eventâ€triggered impulsive control with three levels of events. IET Control Theory and Applications, 2018, 12, 1167-1179.	2.1	77
134	Decentralized Periodic Event-Triggered Frequency Regulation for Multi-Area Power Systems. , 2018, , .		3
135	Stability Analysis of all Inverter-Interfaced Generation Systems. , 2018, , .		5
136	Preventive-Corrective Demand Response to Improve Short-Term Voltage Stability and Transient Stability in Power Systems. , 2018, , .		2
137	Foundations and Challenges of Low-Inertia Systems (Invited Paper). , 2018, , .		392
138	Distributed Control of Active Distribution Networks for Frequency Support. , 2018, , .		5
139	Impact of Load Dynamics on Electromechanical Oscillations of Power Systems. IEEE Transactions on Power Systems, 2018, 33, 6611-6620.	6.5	7
140	Stability Analysis of Power Systems: A Network Synchronization Perspective. SIAM Journal on Control and Optimization, 2018, 56, 1640-1664.	2.1	27
141	A Novel Consensus-Based Economic Dispatch for Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 3920-3922.	9.0	87
142	Open grid model of Australiaâ€™s National Electricity Market allowing backtesting against historic data. Scientific Data, 2018, 5, 180203.	5.3	16
143	Deterministic Learning with Output Measurements. , 2018, , 139-165.		0
144	RBF Network Approximation and Persistence of Excitation. , 2018, , 17-36.		0

#	Article	IF	Citations
145	Deterministic Learning from Closed-Loop Control. , 2018, , 61-96.		0
146	The Deterministic Learning Mechanism. , 2018, , 37-59.		0
147	Dynamical Pattern Recognition. , 2018, , 97-121.		0
148	Robust Transient Stability-Constrained Optimal Power Flow With Uncertain Dynamic Loads. IEEE Transactions on Smart Grid, 2017, 8, 1911-1921.	9.0	30
149	Cooperative output regulation of linear multi-agent network systems with dynamic edges. Automatica, 2017, 77, 1-13.	5.0	32
150	Multi-Timescale Coordinated Voltage/Var Control of High Renewable-Penetrated Distribution Systems. IEEE Transactions on Power Systems, 2017, 32, 4398-4408.	6.5	219
151	Distributed Power Control for Transient Stability of Multimachine Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 383-392.	3.6	13
152	Sensitivity Studies for Adaptive Coordinated Voltage Control: Scale and Similarity of Contingencies. IEEE Transactions on Power Systems, 2017, 32, 3794-3802.	6.5	7
153	Coordinated Control Strategies for Offshore Wind Farm Integration via VSC-HVDC for System Frequency Support. IEEE Transactions on Energy Conversion, 2017, 32, 843-856.	5.2	131
154	Power system cascading risk assessment based on complex network theory. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 532-543.	2.6	40
155	Multi-Agent Optimal Allocation of Energy Storage Systems in Distribution Systems. IEEE Transactions on Sustainable Energy, 2017, 8, 1715-1725.	8.8	84
156	Two-stage voltage control of subtransmission networks with high penetration of wind power. Control Engineering Practice, 2017, 62, 1-10.	5.5	11
157	A Distributed Framework for Stability Evaluation and Enhancement of Inverter-Based Microgrids. IEEE Transactions on Smart Grid, 2017, 8, 3020-3034.	9.0	31
158	Critical Bus Voltage Support in Distribution Systems With Electric Springs and Responsibility Sharing. IEEE Transactions on Power Systems, 2017, 32, 3584-3593.	6.5	47
159	Exponential input-to-state stability under events for hybrid dynamical networks with coupling time-delays. Journal of the Franklin Institute, 2017, 354, 7476-7503.	3.4	7
160	Granulated load-side control of power systems with electric spring aggregators. , 2017, , .		7
161	Developing feedback model for power system dynamic sensitivity analysis. International Transactions on Electrical Energy Systems, 2017, 27, e2381.	1.9	4
162	Design guidelines for MPCâ€based frequency regulation for islanded microgrids with storage, voltage, and ramping constraints. IET Renewable Power Generation, 2017, 11, 1200-1210.	3.1	16

#	Article	IF	Citations
163	Impact of prosumers on frequency stability of the Australian future grid. , 2017, , .		1
164	Delay Aware Intelligent Transient Stability Assessment System. IEEE Access, 2017, 5, 17230-17239.	4.2	39
165	Consensus control of electric spring using back-to-back converter for voltage regulation with ultra-high renewable penetration. Journal of Modern Power Systems and Clean Energy, 2017, 5, 897-907.	5.4	14
166	Modeling and Stability of Microgrids with Smart Loads. IFAC-PapersOnLine, 2017, 50, 10021-10026.	0.9	7
167	Output Synchronization of Linear MIMO Heterogeneous Multi-agent Systems via Output Communication. IFAC-PapersOnLine, 2017, 50, 1748-1753.	0.9	2
168	A Novel Online Scheduling Algorithm for Hierarchical Vehicle-to-Grid System. , 2017, , .		2
169	Sensitivity of inter-area modes to parameters of an oscillatory recovery load model. , 2017, , .		0
170	Prescribed finite time consensus of networked multi-agent systems. , 2017, , .		9
171	Local stability of DC microgrids: A perspective of graph laplacians with self-loops. , 2017, , .		4
172	$mathcal{KL}_*$ -stability for a class of hybrid dynamical systems. IMA Journal of Applied Mathematics, 2017, 82, 1043-1060.	1.6	5
173	Demand response-based preventive-corrective control against short-term voltage instability in power systems. , 2017, , .		4
174	Non-interruptive thermostatically controlled load for primary frequency support. , 2016, , .		4
175	Aggregated effect of price-taking users equipped with emerging demand-side technologies on performance of future grids. , 2016, , .		2
176	Switched distributed load-side frequency regulation for power systems. , 2016, , .		1
177	Fully distributed voltage control in subtransmission networks via virtual power plants. , 2016, , .		3
178	Impact study of prosumers on loadability and voltage stability of future grids. , 2016, , .		7
179	Non-Disruptive Load-Side Control for Frequency Regulation in Power Systems. IEEE Transactions on Smart Grid, 2016, 7, 2142-2153.	9.0	45
180	A power flow based model for the analysis of vulnerability in power networks. Physica A: Statistical Mechanics and Its Applications, 2016, 460, 105-115.	2.6	25

#	Article	IF	Citations
181	Optimal Scheduling for EV Charging Stations in Distribution Networks: A Convexified Model. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	43
182	Distributed load-side frequency regulation for power systems. , 2016, , .		2
183	Event-triggered control for output synchronization of networks with incrementally-dissipative nodes. , 2016, , .		2
184	Riskâ€averse multiâ€objective generation dispatch considering transient stability under load model uncertainty. IET Generation, Transmission and Distribution, 2016, 10, 2785-2791.	2.5	18
185	An enhanced bootstrap filtering method for non-intrusive load monitoring. , 2016, , .		4
186	Transient Stability Analysis of Microgrids with Network-Preserving Structure. IFAC-PapersOnLine, 2016, 49, 339-344.	0.9	11
187	Enhancing Resilience of Microgrids with Electric Springs. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	28
188	Transient stability analysis of microgrids with a line-based model. , 2016, , .		3
189	Improving Nonintrusive Load Monitoring Efficiency via a Hybrid Programing Method. IEEE Transactions on Industrial Informatics, 2016, 12, 2148-2157.	11.3	72
190	Fatigue durability assessment of automotive adhesive joints by an in situÂcorrosion fatigue test. Journal of Adhesion Science and Technology, 2016, 30, 1610-1621.	2.6	3
191	Algorithmic and Strategic Aspects to Integrating Demand-Side Aggregation and Energy Management Methods. IEEE Transactions on Smart Grid, 2016, 7, 2748-2760.	9.0	51
192	Local Input to State Stability Based Stability Criterion With Applications to Isolated Power Systems. IEEE Transactions on Power Systems, 2016, 31, 5094-5105.	6.5	17
193	Aggregated demand response modelling for future grid scenarios. Sustainable Energy, Grids and Networks, 2016, 5, 94-104.	3.9	36
194	Impact of Tie-Line Power on Inter-Area Modes With Increased Penetration of Wind Power. IEEE Transactions on Power Systems, 2016, 31, 3051-3059.	6.5	30
195	Optimal Short-term Power Dispatch Scheduling for a Wind Farm with Battery Energy Storage System. IFAC-PapersOnLine, 2015, 48, 518-523.	0.9	26
196	Effects of rotational Inertia on power system damping and frequency transients. , 2015, , .		68
197	Trajectory sensitivity analysis on the equivalent oneâ€machineâ€infiniteâ€bus of multiâ€machine systems for preventive transient stability control. IET Generation, Transmission and Distribution, 2015, 9, 276-286.	2.5	44
198	MPC-Based Frequency Control With Demand-Side Participation: A Case Study in an Isolated Wind-Aluminum Power System. IEEE Transactions on Power Systems, 2015, 30, 3327-3337.	6.5	45

#	Article	IF	Citations
199	Impact of increased penetration of wind power on damping of low frequency oscillations in different network topologies. , 2015, , .		2
200	Voltage Support for Critical Buses with Consensus Control of Electric Springs in Distribution Systems. IFAC-PapersOnLine, 2015, 48, 173-178.	0.9	12
201	Interval exponential input-to-state stability for switching impulsive systems with application to hybrid control for micro-grids. , 2015, , .		0
202	Coordinated Voltage Control of Weak Sub-transmission Networks Considering Wind Power Variability**The work described in this paper was fully supported by a grant from the Research Grants Council of the Hong Kong Special Administrative Region under Theme-based Research Scheme through Project No. T23-701/14-N.. IFAC-PapersOnLine, 2015, 48, 1-6.	0.9	2
203	Event-triggered asynchronous intermittent communication strategy for synchronization in complex dynamical networks. Neural Networks, 2015, 66, 1-10.	5.9	169
204	Towards A Theoretical Framework for Analysis and Intervention of Random Drift on General Networks. IEEE Transactions on Automatic Control, 2015, 60, 576-581.	5.7	47
205	Low Carbon Oriented Expansion Planning of Integrated Gas and Power Systems. IEEE Transactions on Power Systems, 2015, 30, 1035-1046.	6.5	162
206	Powering China's Sustainable Development with Renewable Energies: Current Status and Future Trend. Electric Power Components and Systems, 2015, 43, 1193-1204.	1.8	24
207	Mixed <inline-formula> <tex-math notation="LaTeX">$mathscr{K} $</tex-math></inline-formula>-Dissipativity and Stabilization to ISS for Impulsive Hybrid Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 791-795.	3.0	7
208	Small oscillation fault detection for a class of nonlinear systems with output measurements using deterministic learning. Systems and Control Letters, 2015, 79, 39-46.	2.3	28
209	Output Synchronization of Dynamical Networks with Incrementally-Dissipative Nodes and Switching Topology. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2312-2323.	5.4	45
210	Optimal integration of mobile battery energy storage in distribution system with renewables. Journal of Modern Power Systems and Clean Energy, 2015, 3, 589-596.	5.4	30
211	Aggregated effect of demand response on performance of future grid scenarios. , 2015, , .		2
212	An extended prototypical smart meter architecture for demand side management. , 2015, , .		2
213	Small-disturbance angle stability analysis of microgrids: A graph theory viewpoint. , 2015, , .		19
214	A Decomposition-Based Practical Approach to Transient Stability-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2015, 30, 1455-1464.	6.5	40
215	Impact of wind generation variability on small signal stability of power systems. , 2014, , .		7
216	Power system restoration planning with standing phase angle and voltage difference constraints. , 2014, , .		11

#	Article	IF	Citations
217	Distributed event-triggered control for output synchronization of dynamical networks with non-identical nodes. , 2014, , .		9
218	Impact analysis of variable generation on small signal stability. , 2014, , .		7
219	Incremental-dissipativity-based output synchronization of dynamical networks with switching topology. , 2014, , .		3
220	Transient Stability Enhancement of Multiâ€“Machine Power Systems: Synchronization via Immersion of a Pendular System. Asian Journal of Control, 2014, 16, 50-58.	3.0	7
221	When Structure Meets Function in Evolutionary Dynamics on Complex Networks. IEEE Circuits and Systems Magazine, 2014, 14, 36-50.	2.3	37
222	Performance and stability assessment of future grid scenarios for the Australian NEM. , 2014, , .		14
223	An improved framework for power grid vulnerability analysis considering critical system features. Physica A: Statistical Mechanics and Its Applications, 2014, 395, 405-415.	2.6	27
224	Robust exponential input-to-state stability of impulsive systems with an application in micro-grids. Systems and Control Letters, 2014, 65, 64-73.	2.3	33
225	Stability via Hybrid-Event-Time Lyapunov Function and Impulsive Stabilization for Discrete-Time Delayed Switched Systems. SIAM Journal on Control and Optimization, 2014, 52, 1338-1365.	2.1	43
226	Rapid Oscillation Fault Detection and Isolation for Distributed Systems via Deterministic Learning. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1187-1199.	11.3	27
227	Input Sensitivity Analysis via Transfer Function Matrix. IEEE Transactions on Power Systems, 2014, 29, 3120-3121.	6.5	4
228	Robust H<inf>∞</inf> Load Frequency Control of future power grid with energy storage considering parametric uncertainty and time delay. , 2014, , .		2
229	Restricted Partial Stability and Synchronization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3235-3244.	5.4	3
230	Guest Editorial Special Section on Control Theory and Technology. IEEE Transactions on Smart Grid, 2014, 5, 2031-2032.	9.0	2
231	Adaptive Coordinated Voltage Controlâ€”Part I: Basic Scheme. IEEE Transactions on Power Systems, 2014, 29, 1546-1553.	6.5	20
232	Adaptive Coordinated Voltage Controlâ€”Part II: Use of Learning for Rapid Response. IEEE Transactions on Power Systems, 2014, 29, 1554-1561.	6.5	16
233	Evolution and maintenance of cooperation via inheritance of neighborhood relationship. Science Bulletin, 2013, 58, 3491-3498.	1.7	19
234	Fast adaptive control against voltage instability. , 2013, , .		1

#	Article	IF	Citations
235	A healthy dose of reality for game-theoretic approaches to residential demand response. , 2013, , .		16
236	Dynamic Braess's Paradox in Complex Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 172-176.	3.0	18
237	Multi-Agent Systems with Dynamical Topologies: Consensus and Applications. IEEE Circuits and Systems Magazine, 2013, 13, 21-34.	2.3	143
238	Hybrid control for highâ€penetration distribution grid based on operational mode conversion. IET Generation, Transmission and Distribution, 2013, 7, 700-708.	2.5	14
239	Cluster consensus of Boolean multi-agent systems. , 2013, , .		0
240	Rapid oscillation fault detection for distributed system via deterministic learning. , 2013, , .		0
241	Characterizing the effect of network structure on evolutionary dynamics via a novel measure of structural heterogeneity. , 2013, , .		2
242	Synchronization of dynamical networks with distributed event-based communication. , 2012, , .		28
243	Feature selection for intelligent stability assessment of power systems. , 2012, , .		10
244	Stability for hybrid event systems. , 2012, , .		1
245	Transmission network expansion planning with wind energy integration: A stochastic programming model. , 2012, , .		3
246	Optimal control with stabilization for a class of hybrid dynamical systems. , 2012, , .		0
247	Numerical Simulation for Stochastic Transient Stability Assessment. IEEE Transactions on Power Systems, 2012, 27, 1741-1749.	6.5	104
248	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. Automatica, 2012, 48, 2560-2568.	5.0	58
249	Learning From ISS-Modular Adaptive NN Control of Nonlinear Strict-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1539-1550.	11.3	67
250	Exploring evolutionary dynamics in a class of structured populations. , 2012, , .		5
251	Small-Gain Based Output-Feedback Controller Design for a Class of Nonlinear Systems With Actuator Dynamic Quantization. IEEE Transactions on Automatic Control, 2012, 57, 1326-1332.	5.7	73
252	Monotonicity of fixation probability of evolutionary dynamics on complex networks. , 2012, , .		3

#	Article	IF	Citations
253	Global Bounded Synchronization of General Dynamical Networks With Nonidentical Nodes. IEEE Transactions on Automatic Control, 2012, 57, 2656-2662.	5.7	79
254	Synchronization of Dynamical Networks by Network Control. IEEE Transactions on Automatic Control, 2012, 57, 1574-1580.	5.7	41
255	Lyapunov formulation of the ISS cyclic-small-gain theorem for hybrid dynamical networks. Nonlinear Analysis: Hybrid Systems, 2012, 6, 988-1001.	3.5	23
256	Quantized stabilization of strict-feedback nonlinear systems based on ISS cyclic-small-gain theorem. Mathematics of Control, Signals, and Systems, 2012, 24, 75-110.	2.3	27
257	A sector bound approach to feedback control of nonlinear systems with state quantization. Automatica, 2012, 48, 145-152.	5.0	125
258	Lyapunov formulation of the large-scale, ISS cyclic-small-gain theorem: The discrete-time case. Systems and Control Letters, 2012, 61, 266-272.	2.3	24
259	Robust control of nonlinear strict-feedback systems with measurement errors. , 2011, , .		3
260	Dissipativity-Based Switching Adaptive Control. IEEE Transactions on Automatic Control, 2011, 56, 660-665.	5.7	14
261	Synchronization of Dynamical Networks With Nonidentical Nodes: Criteria and Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 584-594.	5.4	123
262	Synchronization of Networks of Nonidentical Euler-Lagrange Systems With Uncertain Parameters and Communication Delays. IEEE Transactions on Automatic Control, 2011, 56, 935-941.	5.7	406
263	Decomposable Dissipativity and Related Stability for Discrete-Time Switched Systems. IEEE Transactions on Automatic Control, 2011, 56, 1666-1671.	5.7	41
264	Exploring Reliable Strategies for Defending Power Systems Against Targeted Attacks. IEEE Transactions on Power Systems, 2011, 26, 1000-1009.	6.5	86
265	Impulsive Consensus for Complex Dynamical Networks with Nonidentical Nodes and Coupling Time-Delays. SIAM Journal on Control and Optimization, 2011, 49, 315-338.	2.1	83
266	Trajectory Tracking and Consensus of Networks of Eulerâ€"Lagrange Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 938-943.	0.4	5
267	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2699-2704.	0.4	1
268	A Sector Bound Approach to Feedback Control of Nonlinear Systems with State Quantization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4654-4659.	0.4	1
269	Stabilization for Decomposable Dissipative Discrete-time Switched Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5730-5735.	0.4	4
270	Incremental-Dissipativity-Based Synchronization of Interconnected Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8890-8895.	0.4	5

#	Article	IF	Citations
271	Lyapunov formulation of ISS cyclic-small-gain in continuous-time dynamical networks. Automatica, 2011, 47, 2088-2093.	5.0	132
272	Stability of dynamical networks with non-identical nodes: A multiple<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si10.gif" display="inline" overflow="scroll"><mml:mi>V</mml:mi></mml:math>-Lyapunov function method. Automatica, 2011, 47, 2615-2625.	5.0	70
273	Improving transient stability of multi-machine power systems: Synchronization via immersion of a pendular system. , 2011, , .		7
274	Lyapunov-ISS Cyclic-small-gain in Hybrid Dynamical Networks*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 813-818.	0.4	3
275	Global Synchronization of Dynamical Networks with Non-identical Nodes: a Multiple V-Lyapunov Function Method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 137-142.	0.4	1
276	Synchronization of Discrete-time CDNs via Delayed Impulsive Control*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 143-148.	0.4	2
277	Global Synchronization of Dynamical Networks with Time Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 161-166.	0.4	1
278	On the structural controllability of networks of linear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 245-250.	0.4	24
279	Deterministic learning and nonlinear observer design. Asian Journal of Control, 2010, 12, 714-724.	3.0	16
280	Attack structural vulnerability of power grids: A hybrid approach based on complex networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 595-603.	2.6	126
281	Cascading failure in Wattsâ€“Strogatz small-world networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1281-1285.	2.6	119
282	Uniform stability and ISS of discrete-time impulsive hybrid systems. Nonlinear Analysis: Hybrid Systems, 2010, 4, 319-333.	3.5	34
283	Exponential input-to-state stability for hybrid dynamical networks via impulsive interconnection. , 2010, , .		3
284	Optimal capacity distribution on complex networks. Europhysics Letters, 2010, 89, 58004.	2.0	28
285	Power system voltage small-disturbance stability studies based on the power flow equation. IET Generation, Transmission and Distribution, 2010, 4, 873.	2.5	12
286	Passivity-based output synchronization of dynamical networks with non-identical nodes. , 2010, , .		56
287	Exponential Synchronization of Complex Delayed Dynamical Networks With Switching Topology. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2967-2980.	5.4	117
288	Lyapunov formulation of ISS cyclic-small-gain in discrete-time dynamical networks. , 2010, , .		3

#	Article	IF	Citations
289	Comparison Principle and Stability of Discrete-Time Impulsive Hybrid Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 233-245.	5.4	34
290	Synchronization of dynamical networks by network control. , 2009, , .		9
291	Lyapunov formulation of ISS small-gain in dynamical networks. , 2009, , .		14
292	Global Uniform Synchronization With Estimated Error Under Transmission Channel Noise. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2689-2702.	5.4	11
293	Dissipativity-based switching adaptive control. , 2009, , .		0
294	Input-to-state stability for a class of hybrid dynamical systems via hybrid time approach. , 2009, , .		4
295	DETERMINISTIC LEARNING OF NONLINEAR DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 1307-1328.	1.7	67
296	An improved model for structural vulnerability analysis of power networks. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4259-4266.	2.6	96
297	Input-to-state stability for discrete time-delay systems via the Razumikhin technique. Systems and Control Letters, 2009, 58, 567-575.	2.3	57
298	Learning from neural control of nonlinear systems in normal form. Systems and Control Letters, 2009, 58, 633-638.	2.3	69
299	Synchronization of complex delayed dynamical networks with nonlinearly coupled nodes. Chaos, Solitons and Fractals, 2009, 40, 1506-1519.	5.1	68
300	Local asymptotic coherence of time-varying discrete ecological networks. Automatica, 2009, 45, 546-552.	5.0	12
301	Structure identification of uncertain general complex dynamical networks with time delay. Automatica, 2009, 45, 1799-1807.	5.0	241
302	Passivity-based control and synchronization of general complex dynamical networks. Automatica, 2009, 45, 2107-2113.	5.0	144
303	Synchronization of complex dynamical networks with switching topology: A switched system point of view. Automatica, 2009, 45, 2502-2511.	5.0	278
304	Vector <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m and stability of feedback switched systems. Automatica, 2009, 45, 1703-1707.	5.0	32
305	Uniform stability of large-scale delay discrete impulsive systems. International Journal of Control, 2009, 82, 228-240.	1.9	26
306	Coordinated stability control. IET Generation, Transmission and Distribution, 2009, 3, 38-48.	2.5	5

#	Article	IF	Citations
307	Induction motor load impact on power system eigenvalue sensitivity analysis. IET Generation, Transmission and Distribution, 2009, 3, 690-700.	2.5	16
308	Diagnosability of Networks of Hybrid Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1492-1497.	0.4	0
309	Flexible Nonlinear Control Technique with Applications to Power Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 167-172.	0.4	0
310	Nonlinear Excitation Control for Transient Stability of Multiâ€“Machine Power Systems using Structureâ€“Preserving Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 221-226.	0.4	2
311	Enhancement of Synchronizability of the Kuramoto Model with Assortative Degree-Frequency Mixing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 1967-1972.	0.3	2
312	On stability, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></m control for switched systems. Automatica, 2008, 44, 1220-1232.	5.0	749
313	Passivity and stability of switched systems: A multiple storage function method. Systems and Control Letters, 2008, 57, 158-164.	2.3	158
314	Global transient stability and voltage regulation for multimachine power systems. , 2008, , .		14
315	Advances in stability theory for complex systems and networks. , 2008, , .		3
316	Deterministic Learning and Rapid Dynamical Pattern Recognition of Discrete-Time Systems. , 2008, , .		1
317	Reducing Identified Parameters of Measurement-Based Composite Load Model. IEEE Transactions on Power Systems, 2008, 23, 76-83.	6.5	140
318	Global synchronization of complex dynamical networks with non-identical nodes. , 2008, , .		50
319	Attack Vulnerability of Complex Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 65-69.	3.0	69
320	Dissipativity Theory for Switched Systems. IEEE Transactions on Automatic Control, 2008, 53, 941-953.	5.7	384
321	Global Asymptotical Synchronization of Chaotic Lur'e Systems Using Sampled Data: A Linear Matrix Inequality Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 586-590.	3.0	108
322	Completeness, passivity and stability of switched systems. , 2008, , .		2
323	On Convexity of Power Flow Feasibility Boundary. IEEE Transactions on Power Systems, 2008, 23, 811-813.	6.5	43
324	SYNCHRONIZATION ERRORS AND UNIFORM SYNCHRONIZATION WITH AN ERROR BOUND FOR CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3341-3354.	1.7	5

#	Article	IF	Citations
325	Impulsive consensus control for complex dynamical networks with non-identical nodes and coupling time-delays. , 2008, , .		3
326	Stability of Discrete Impulsive Hybrid Systems via Comparison Principle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11520-11525.	0.4	2
327	Dissipativity based stability of switched systems with state-dependent switchings. , 2007, , .		2
328	Dissipativity of T-Periodic Linear Systems. IEEE Transactions on Automatic Control, 2007, 52, 1039-1047.	5.7	21
329	Measurement-based Load Modeling using Genetic Algorithms. , 2007, , .		19
330	Power system energy analysis incorporating comprehensive load characteristics. IET Generation, Transmission and Distribution, 2007, 1, 855.	2.5	6
331	Research on Identifiability of Equivalent Motor in Composite Load Model. , 2007, , .		7
332	Flexible Nonlinear Voltage Control Design for Power Systems. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	10
333	Robust stability of complex impulsive dynamical systems. , 2007, , .		3
334	Impulsive Synchronization of Chaotic Lur'e Systems by Linear Static Measurement Feedback: An LMI Approach. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 710-714.	2.2	80
335	Deterministic Learning and Rapid Dynamical Pattern Recognition. IEEE Transactions on Neural Networks, 2007, 18, 617-630.	4.2	184
336	Flexible Nonlinear Voltage Control Design for Power Systems. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
337	Optimal Robust Control for Uncertain Impulsive Systems. , 2006, , .		1
338	Composite Load Modeling via Measurement Approach. IEEE Transactions on Power Systems, 2006, 21, 663-672.	6.5	272
339	Load Modeling by Finding Support Vectors of Load Data From Field Measurements. IEEE Transactions on Power Systems, 2006, 21, 726-735.	6.5	74
340	A Jumping Genes Scheme for Multi-objective Coordinated Voltage Control. , 2006, , .		3
341	Learning From Neural Control. IEEE Transactions on Neural Networks, 2006, 17, 130-146.	4.2	354
342	An ISS-modular approach for adaptive neural control of pure-feedback systems. Automatica, 2006, 42, 723-731.	5.0	488

#	Article	IF	Citations
343	stability and <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x.	5.0	740
344	Controlling complex dynamical networks with coupling delays to a desired orbit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 42-46.	2.1	42
345	Optimal coordinated voltage control of power systems. Journal of Zhejiang University: Science A, 2006, 7, 257-262.	2.4	4
346	A notion of passivity for switched systems with state-dependent switching. Journal of Control Theory and Applications, 2006, 4, 70-75.	0.8	54
347	Intermittent Phenomena in Switched Systems With High Coupling Strengths. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 2692-2704.	0.1	10
348	On structure preserving control of power systems. , 2006, , .		2
349	Synchronization of Complex Dynamical Networks with Switching Topology via Adaptive Control. , 2006, , .		33
350	A HYBRID IMPULSIVE AND SWITCHING CONTROL STRATEGY FOR SYNCHRONIZATION OF NONLINEAR SYSTEMS AND APPLICATION TO CHUA'S CHAOTIC CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 229-238.	1.7	72
351	On Structure Preserving Control of Power Systems. , 2006, , .		1
352	Transient stability and voltage regulation enhancement via coordinated control of generator excitation and SVC. International Journal of Electrical Power and Energy Systems, 2005, 27, 121-130.	5.5	45
353	Global power system control using generator excitation, PSS, FACTS devices and capacitor switching. International Journal of Electrical Power and Energy Systems, 2005, 27, 448-464.	5.5	27
354	A power system control scheme based on security visualisation in parameter space. International Journal of Electrical Power and Energy Systems, 2005, 27, 488-495.	5.5	9
355	Continuation of local bifurcations for power systemdifferential-algebraic equation stability model. IET Generation, Transmission and Distribution, 2005, 152, 575.	1.1	24
356	ADAPTIVE SWITCHING CONTROL AND SYNCHRONIZATION OF CHAOTIC SYSTEMS WITH UNCERTAINTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 3381-3390.	1.7	7
357	On hybrid impulsive and switching systems and application to nonlinear control. IEEE Transactions on Automatic Control, 2005, 50, 1058-1062.	5.7	370
358	A Unifying Framework for Global Regulation Via Nonlinear Output Feedback: From ISS to iISS. IEEE Transactions on Automatic Control, 2004, 49, 549-562.	5.7	198
359	Definition and Classification of Power System Stability IEEE/CIGRE Joint Task Force on Stability Terms and Definitions. IEEE Transactions on Power Systems, 2004, 19, 1387-1401.	6.5	2,648
360	A new strategy for transmission expansion in competitive electricity markets. IEEE Transactions on Power Systems, 2003, 18, 374-380.	6.5	247

#	Article	IF	Citations
361	A Lyapunov approach to analysis of discrete singular systems. Systems and Control Letters, 2002, 45, 237-247.	2.3	23
362	Emergency voltage control using search and predictive control. International Journal of Electrical Power and Energy Systems, 2002, 24, 121-130.	5.5	107
363	Optimal voltage security control of power systems. International Journal of Electrical Power and Energy Systems, 2002, 24, 305-320.	5.5	24
364	Global transient stability and voltage regulation for power systems. IEEE Transactions on Power Systems, 2001, 16, 678-688.	6.5	194
365	Decentralized nonlinear output-feedback stabilization with disturbance attenuation. IEEE Transactions on Automatic Control, 2001, 46, 1623-1629.	5.7	101
366	Minimum-order stable recursive filter design via the genetic algorithm approach. International Journal of Systems Science, 2001, 32, 401-408.	5.5	0
367	Nonlinear decentralized control of large-scale power systems. Automatica, 2000, 36, 1275-1289.	5.0	282
368	Global control with application to bifurcating power systems. Systems and Control Letters, 2000, 41, 145-155.	2.3	3
369	Designing ancillary services markets for power system security. IEEE Transactions on Power Systems, 2000, 15, 675-680.	6.5	42
370	Decentralized robust disturbance attenuation for a class of large-scale nonlinear systems. Systems and Control Letters, 1999, 37, 71-85.	2.3	74
371	Exponential Feedback Passivity and Stabilizability of Nonlinear Systems. Automatica, 1998, 34, 697-703.	5.0	152
372	Stabilization and Tracking via Output Feedback for the Nonlinear Benchmark System. Automatica, 1998, 34, 907-915.	5.0	24
373	Concepts of Strict Positive Realness and the Absolute Stability Problem of Continuous-Time Systems. Automatica, 1998, 34, 1071-1082.	5.0	13
374	Analysis of small signal stability margins using genetic optimization. Electric Power Systems Research, 1998, 46, 195-204.	3.6	14
375	Limit cycles in power systems due to OLTC deadbands and loadâ€“voltage dynamics. Electric Power Systems Research, 1998, 47, 181-188.	3.6	9
376	Decentralized Robust Disturbance Attenuation for Large-Scale Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 847-852.	0.4	2
377	On the Positive Definite Solutions to the 2-D Continuous-time Lyapunov Equation. Multidimensional Systems and Signal Processing, 1997, 8, 315-333.	2.6	8
378	On undervoltage load shedding in power systems. International Journal of Electrical Power and Energy Systems, 1997, 19, 141-149.	5.5	62

#	Article	IF	Citations
379	Avoiding voltage collapse by fast active power rescheduling. International Journal of Electrical Power and Energy Systems, 1997, 19, 501-509.	5.5	9
380	Decentralized adaptive linear control of complex systems using relative deadzones. , 1997, 11, 519-531.		2
381	Robust decentralized nonlinear controller design for multimachine power systems. Automatica, 1997, 33, 1725-1733.	5.0	168
382	Stability results for decomposable multidimensional digital systems based on the lyapunov equation. Multidimensional Systems and Signal Processing, 1996, 7, 195-209.	2.6	10
383	Robust nonlinear coordinated control of power systems. Automatica, 1996, 32, 611-618.	5.0	87
384	A passification approach to adaptive nonlinear stabilization. Systems and Control Letters, 1996, 28, 73-84.	2.3	60
385	Nonlinear adaptive control of feedback passive systems. Automatica, 1995, 31, 1053-1060.	5.0	78
386	Transient stabilization of power systems with an adaptive control law. Automatica, 1994, 30, 1409-1413.	5.0	63
387	A frequency-domain robust instability criterion for time-varying and non-linear systems. Automatica, 1994, 30, 1779-1783.	5.0	4
388	Stability analysis of power system loads with recovery dynamics. International Journal of Electrical Power and Energy Systems, 1994, 16, 277-286.	5.5	24
389	Robust co-ordinated AVR-PSS design. IEEE Transactions on Power Systems, 1994, 9, 1218-1225.	6.5	36
390	On the analysis of long-term voltage stability. International Journal of Electrical Power and Energy Systems, 1993, 15, 229-237.	5.5	30
391	Transient stability enhancement and voltage regulation of power systems. IEEE Transactions on Power Systems, 1993, 8, 620-627.	6.5	270
392	Fast calculation of a voltage stability index. IEEE Transactions on Power Systems, 1992, 7, 54-64.	6.5	338
393	Global boundedness of discrete-time adaptive control just using estimator projection. Automatica, 1992, 28, 1143-1157.	5.0	105
394	A generalization of the small-gain theorem for nonlinear feedback systems. Automatica, 1991, 27, 1043-1045.	5.0	58
395	Adaptive linear control of nonlinear systems. IEEE Transactions on Automatic Control, 1990, 35, 1253-1257.	5.7	36
396	Lyapunov functions of lur'e-postnikov form for structure preserving models of power systems. Automatica, 1989, 25, 453-460.	5.0	29

#	Article	IF	Citations
397	Robustness of adaptive control without deadzones, data normalization or persistence of excitation. Automatica, 1989, 25, 943-947.	5.0	26
398	Stability analysis of decentralised robust adaptive control. Systems and Control Letters, 1988, 11, 277-284.	2.3	33
399	Design issues in adaptive control. IEEE Transactions on Automatic Control, 1988, 33, 50-58.	5.7	518
400	General Instability Results for Interconnected Systems. SIAM Journal on Control and Optimization, 1983, 21, 256-279.	2.1	31
401	Dissipative Dynamical Systems: Basic Input-Output and State Properties. Journal of the Franklin Institute, 1980, 309, 327-357.	3.4	551
402	Connections between finite-gain and asymptotic stability. IEEE Transactions on Automatic Control, 1980, 25, 931-936.	5.7	173
403	Tests for stability and instability of interconnected systems. IEEE Transactions on Automatic Control, 1979, 24, 574-575.	5.7	18
404	Stability criteria for large-scale systems. IEEE Transactions on Automatic Control, 1978, 23, 143-149.	5.7	316
405	Stability results for nonlinear feedback systems. Automatica, 1977, 13, 377-382.	5.0	436
406	A unifying framework for global regulation via nonlinear output feedback. , 0, , .		5
407	Global Control of Complex Power Systems. Lecture Notes in Control and Information Sciences, 0, , 155-187.	1.0	8
408	Dissipativity Theory for Switched Systems. , 0, , .		8
409	Adaptive Neural Control of Non-Affine Pure-Feedback Systems. , 0, , .		1
410	The constitutional issue in Irish politics. , 0, , 55-78.		0