

David J Hill

List of Publications by Year in Descending Order

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Version: 2024-04-25

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

376
papers

16,126
citations

59
h-index

119
g-index

411
ext. papers

20,764
ext. citations

5.2
avg. IF

7.25
L-index

#	Paper	IF	Citations
376	Auto-Starting Semi-Supervised Learning-Based Identification of Synchrophasor Data Anomalies. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	
375	A real-time continuous monitoring system for long-term voltage stability with sliding 3D convolutional neural network. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 134, 107378	5.1	0
374	Chance-Constrained OPF in Droop-Controlled Microgrids with Power Flow Routers. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	
373	Convex Relaxation of AC Optimal Power Flow with Flexible Transmission Line Impedances. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	
372	Dissipativity, Stability, and Connections: Progress in Complexity. <i>IEEE Control Systems</i> , 2022 , 42, 88-106	2.9	
371	A data-driven distributed and easy-to-transfer method for short-term voltage stability assessment. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 139, 107960	5.1	0
370	Learning-Based Topology Optimization of Power Networks. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	0
369	Impact of Large-scale concentrated solar power on energy and auxiliary markets. <i>Applied Energy</i> , 2022 , 318, 119216	10.7	0
368	Data/Model Jointly Driven High-Quality Case Generation for Power System Dynamic Stability Assessment. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	0
367	Enhancing Flexibility at the Transmission-Distribution Interface with Power Flow Routers. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	
366	Semi-Supervised Ensemble Learning Framework for Accelerating Power System Transient Stability Knowledge Base Generation. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
365	Incentive-based coordination mechanism for distributed operation of integrated electricity and heat systems. <i>Applied Energy</i> , 2021 , 285, 116373	10.7	14
364	Decentralized event-triggered frequency regulation for multi-area power systems. <i>Automatica</i> , 2021 , 126, 109479	5.7	3
363	Event-triggered controllers based on the supremum norm of sampling-induced error. <i>Automatica</i> , 2021 , 128, 109532	5.7	1
362	Output Synchronization of Heterogeneous Networked Linear MIMO Systems: γ -Stabilization and H_∞ Control. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 147-157	4	0
361	Decentralized Event-Triggered Frequency Control With Guaranteed L ₂ Gain for Multi-Area Power Systems 2021 , 5, 373-378		3
360	Zero-Error Consensus Tracking With Preassignable Convergence for Nonaffine Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1300-1310	10.2	10

359	Distributionally Robust Optimal Power Flow in Multi-Microgrids With Decomposition and Guaranteed Convergence. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 43-55	10.7	28
358	An Optimal Placement Model for Electric Springs in Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 491-501	10.7	5
357	Stabilization to Exponential Input-to-State Stability via Aperiodic Intermittent Control. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2913-2919	5.9	12
356	Distributed MPC-based frequency control for multi-area power systems with energy storage. <i>Electric Power Systems Research</i> , 2021 , 190, 106642	3.5	3
355	Distributed Optimal Generation and Load-Side Control for Frequency Regulation in Power Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2724-2731	5.9	1
354	Definition and Classification of Power System Stability [Revisited & Extended]. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3271-3281	7	95
353	Intelligent Short-Term Voltage Stability Assessment via Spatial Attention Rectified RNN Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7005-7016	11.9	10
352	An Adaptive Distributionally Robust Model for Three-Phase Distribution Network Reconfiguration. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1224-1237	10.7	20
351	Cost-Effective Bad Synchronphasor Data Detection Based on Unsupervised Time-Series Data Analytic. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2027-2039	10.7	4
350	Distributed Coordinated Reactive Power Control for Voltage Regulation in Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 312-323	10.7	14
349	Ensuring Network Connectedness in Optimal Transmission Switching Problems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	2
348	A Hierarchical Framework for Ambient Signals based Load Modeling: Exploring the Hidden Quasi-convexity. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	1
347	Distributed Real-Time Dispatch of Integrated Electricity and Heat Systems With Guaranteed Feasibility. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	10
346	Spatial-Temporal Data Analysis Based Event Detection in Weakly Damped Power Systems. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	0
345	Distributed Model Predictive Frequency Control of Inverter-Based Networked Microgrids. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	1
344	Distribution Network Reconfiguration for Short-Term Voltage Stability Enhancement: An Efficient Deep Learning Approach. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	4
343	A Secondary Control Method for Voltage Unbalance Compensation and Accurate Load Sharing in Networked Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2822-2833	10.7	8
342	Stability of inverter-interfaced power systems with multi-scale-free properties. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 581, 126232	3.3	

341	Dispatch of virtual inertia and damping: Numerical method with SDP and ADMM. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 133, 107259	5.1	
340	Networked Time Series Shapelet Learning for Power System Transient Stability Assessment. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
339	Knowledge Transfer for Long-term Voltage Stability Assessment Between Power Grids Based on Deep Domain Adaptation Networks 2020 ,		1
338	A deep learning-based general robust method for network reconfiguration in three-phase unbalanced active distribution networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 120, 105982	5.1	19
337	Large-scale aggregation of prosumers toward strategic bidding in joint energy and regulation markets. <i>Applied Energy</i> , 2020 , 271, 115159	10.7	15
336	Scenario and Sensitivity Based Stability Analysis of the High Renewable Future Grid. <i>IEEE Transactions on Power Systems</i> , 2020 , 1-1	7	
335	Can graph properties determine future grid adequacy for power injection diversity?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 550, 124165	3.3	
334	Distributed inter-area oscillation damping control for power systems by using wind generators and load aggregators. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106201	5.1	3
333	Synchronization of Kuramoto Oscillators: A Regional Stability Framework. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 5070-5082	5.9	8
332	Network-based analysis of long-term voltage stability considering loads with recovery dynamics. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105891	5.1	6
331	Grid inadequacy assessment for high power injection diversity. Part I: Framework and metrics. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 118, 105830	5.1	0
330	Grid inadequacy assessment for high power injection diversity Part II: Finding grid expansion options. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 118, 105831	5.1	0
329	Fault Detection for a Class of Uncertain Sampled-Data Systems Using Deterministic Learning. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1
328	A minimum cut-set vulnerability analysis of power networks. <i>Sustainable Energy, Grids and Networks</i> , 2020 , 21, 100302	3.6	4
327	A Data-Based Learning and Control Method for Long-Term Voltage Stability. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3203-3212	7	8
326	Reducing BESS Capacity for Accommodating Renewables in Subtransmission Systems with Power Flow Routers 2020 ,		2
325	Closure to Discussion on \square A New Formulation of Distribution Network Reconfiguration for Reducing the Voltage Volatility Induced by Distributed Generation \square <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4975-4976	7	1
324	H2-Norm Transmission Switching to Improve Synchronism of Low-Inertia Power Grids. <i>IFAC-PapersOnLine</i> , 2020 , 53, 13299-13304	0.7	

323	Enhanced ambient signals based load model parameter identification with ensemble learning initialisation. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5877-5887	2.5	0
322	Electric Autonomous Vehicle Charging and Parking Coordination for Vehicle-to-Grid Voltage Regulation with Renewable Energy 2020 ,		1
321	. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 1911-1921	8.2	26
320	A general coordinated voltage regulation method in distribution networks with soft open points. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 116, 105571	5.1	11
319	Small-Disturbance Voltage Stability of Power Systems: Dependence on Network Structure. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2609-2618	7	6
318	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2551-2561	11.9	6
317	Distributed control of active distribution networks to support voltage control in subtransmission networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105715	5.1	3
316	Hierarchical Deep Learning Machine for Power System Online Transient Stability Prediction. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2399-2411	7	41
315	Adaptive mechanisms to refund emissions payments. <i>Applied Energy</i> , 2020 , 278, 115689	10.7	
314	Towards planning for flexible future grids under high power injection diversity. <i>Electric Power Systems Research</i> , 2020 , 189, 106687	3.5	0
313	The optimal admittance matrix problem in DC networks. <i>Electric Power Systems Research</i> , 2020 , 189, 106754	3.5	
312	. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 326-336	8.2	11
311	An Interconnected Microgrids-Based Transactive Energy System With Multiple Electric Springs. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 184-193	10.7	12
310	Cascading risk assessment in power-communication interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 540, 120496	3.3	9
309	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4152-4162	8.9	13
308	Optimal Electric Spring Allocation for Risk-Limiting Voltage Regulation in Distribution Systems. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 273-283	7	8
307	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 496-507	7	20
306	Impact of Network Structure on Short-Term Voltage Stability Using Data-Driven Method 2019 ,		4

305	Emissions reduction and wholesale electricity price targeting using an output-based mechanism. <i>Applied Energy</i> , 2019 , 242, 1050-1063	10.7	6
304	. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6343-6354	10.7	28
303	HIGHER EDUCATION OUTREACH: EXAMINING KEY CHALLENGES FOR ACADEMICS. <i>British Journal of Educational Studies</i> , 2019 , 67, 469-491	0.9	3
302	Delay Aware Power System Synchrophasor Recovery and Prediction Framework. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3732-3742	10.7	28
301	Impact of DG Connection Topology on the Stability of Inverter-Based Microgrids. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 3970-3972	7	8
300	On Extension of Effective Resistance With Application to Graph Laplacian Definiteness and Power Network Stability. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4415-4428	3.9	4
299	. <i>IEEE Access</i> , 2019 , 7, 91785-91798	3.5	2
298	Granular load-side frequency control with electric spring aggregators and leader-follower consensus. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 1700-1708	2.5	2
297	Decentralized MPC-Based Frequency Control of Networked Microgrids 2019 ,		1
296	Stability under events for a class of hybrid dynamical systems with continuous and discrete time variables. <i>IET Control Theory and Applications</i> , 2019 , 13, 1543-1553	2.5	1
295	Synchrophasor Recovery and Prediction: A Graph-Based Deep Learning Approach. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 7348-7359	10.7	18
294	Data-Driven Fast Transient Stability Assessment Using (Fault-on + 2) Generator Trajectories 2019 ,		2
293	Load Stability Index for Short-term Voltage Stability Assessment 2019 ,		2
292	Distributed Optimization for Multi-Time Slot Economic Dispatch 2019 ,		1
291	Impact of High Penetration of Renewable Resources on Power System Transient Stability 2019 ,		2
290	Fast Distributed Reactive Power Control for Voltage Regulation in Distribution Networks. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 802-805	7	42
289	State-in-mode analysis of the power flow Jacobian for static voltage stability. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 105, 671-678	5.1	14
288	Online Scheduling for Hierarchical Vehicle-to-Grid System: Design, Formulation, and Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 1302-1317	6.8	30

287	GPU-Based Enumeration Model Predictive Control of Pumped Storage to Enhance Operational Flexibility. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5223-5233	10.7	7
286	Event-triggered control via impulses for exponential stabilization of discrete-time delayed systems and networks. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 1613-1638	3.6	26
285	Static Voltage Stability Analysis of Distribution Systems Based on Network-Load Admittance Ratio. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 2270-2280	7	28
284	Switched distributed load-side frequency control of power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 105, 709-716	5.1	5
283	Enhancing Flexibility of an Islanded Microgrid With Electric Springs. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 899-909	10.7	24
282	Short-Term Residential Load Forecasting Based on LSTM Recurrent Neural Network. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 841-851	10.7	719
281	Small Fault Detection for a Class of Closed-Loop Systems via Deterministic Learning. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 897-906	10.2	17
280	Online Distributed MPC-Based Optimal Scheduling for EV Charging Stations in Distribution Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 638-649	11.9	68
279	Generic Demand Model Considering the Impact of Prosumers for Future Grid Scenario Analysis. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 819-829	10.7	26
278	Prescribed-Time Consensus and Containment Control of Networked Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1138-1147	10.2	103
277	Coordinated Dispatch of Virtual Energy Storage Systems in Smart Distribution Networks for Loading Management. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 776-786	7.3	28
276	Stabilization of Discrete-Time Dynamical Systems Under Event-Triggered Impulsive Control with and Without Time-Delays. <i>Journal of Systems Science and Complexity</i> , 2018 , 31, 130-146	1	8
275	Frequency Support From Wind Turbine Generators With a Time-Variable Droop Characteristic. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 676-684	8.2	43
274	Multiagent System Based Microgrid Energy Management via Asynchronous Consensus ADMM. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 886-888	5.4	38
273	Input-to-state-KL-stability and criteria for a class of hybrid dynamical systems. <i>Applied Mathematics and Computation</i> , 2018 , 326, 124-140	2.7	52
272	Distributed Voltage Control and Power Management of Networked Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 1892-1902	5.6	25
271	A Fast Local Search Scheme for Adaptive Coordinated Voltage Control. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2321-2330	7	3
270	Input-to-State Stability Based Control of Doubly Fed Wind Generator. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2949-2961	7	10

269	A Framework for Assessing Renewable Integration Limits With Respect to Frequency Performance. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4444-4453	7	36
268	A Hierarchical Hidden Markov Model Framework for Home Appliance Modeling. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 3079-3090	10.7	56
267	An Extensible Approach for Non-Intrusive Load Disaggregation With Smart Meter Data. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 3362-3372	10.7	83
266	Fast Stability Scanning for Future Grid Scenario Analysis. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 514-524	7	9
265	Robust Dispatch of High Wind Power-Penetrated Power Systems Against Transient Instability. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 174-186	7	34
264	. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 187-197	7	12
263	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1261-1274	4	7
262	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 901-912	4	19
261	Short-Term Residential Load Forecasting Based on Resident Behaviour Learning. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1087-1088	7	249
260	. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6214-6228	10.7	13
259	Intelligent Time-Adaptive Transient Stability Assessment System. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1049-1058	7	123
258	Optimal Operation of Battery Energy Storage System Considering Distribution System Uncertainty. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1051-1060	8.2	56
257	A unified framework for wide area measurement system planning. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 96, 43-51	5.1	8
256	Input-to-state exponents and related ISS for delayed discrete-time systems with application to impulsive effects. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 640-660	3.6	49
255	Impact of Load Dynamics on Electromechanical Oscillations of Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 6611-6620	7	3
254	Stability Analysis of Power Systems: A Network Synchronization Perspective. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 1640-1664	1.9	12
253	A Novel Consensus-Based Economic Dispatch for Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 3920-3922	10.7	48
252	Open grid model of Australia's National Electricity Market allowing backtesting against historic data. <i>Scientific Data</i> , 2018 , 5, 180203	8.2	6

251	Supplementary Frequency Regulation with Multiple Virtual Energy Storage System Aggregators. <i>Electric Power Components and Systems</i> , 2018 , 46, 1719-1730	1	4
250	Transient Stability-Constrained Optimal Power Flow with Power Flow Routers 2018 ,		1
249	Clustering of Uncertain Load Model Parameters with K-medoids Algorithm 2018 ,		2
248	Delay aware transient stability assessment with synchrophasor recovery and prediction framework. <i>Neurocomputing</i> , 2018 , 322, 187-194	5-4	9
247	Stabilisation to input-to-state stability for continuous-time dynamical systems via event-triggered impulsive control with three levels of events. <i>IET Control Theory and Applications</i> , 2018 , 12, 1167-1179	2-5	45
246	Decentralized Periodic Event-Triggered Frequency Regulation for Multi-Area Power Systems 2018 ,		2
245	Stability Analysis of all Inverter-Interfaced Generation Systems 2018 ,		2
244	Foundations and Challenges of Low-Inertia Systems (Invited Paper) 2018 ,		142
243	Distributed Control of Active Distribution Networks for Frequency Support 2018 ,		3
242	. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 1911-1921	10-7	20
241	Cooperative output regulation of linear multi-agent network systems with dynamic edges. <i>Automatica</i> , 2017 , 77, 1-13	5-7	24
240	Multi-Timescale Coordinated Voltage/Var Control of High Renewable-Penetrated Distribution Systems. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 4398-4408	7	118
239	Distributed Power Control for Transient Stability of Multimachine Power Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017 , 7, 383-392	5-2	11
238	Sensitivity Studies for Adaptive Coordinated Voltage Control: Scale and Similarity of Contingencies. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3794-3802	7	5
237	. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 843-856	5-4	81
236	Power system cascading risk assessment based on complex network theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 482, 532-543	3-3	26
235	Multi-Agent Optimal Allocation of Energy Storage Systems in Distribution Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2017 , 8, 1715-1725	8-2	56
234	Two-stage voltage control of subtransmission networks with high penetration of wind power. <i>Control Engineering Practice</i> , 2017 , 62, 1-10	3-9	6

233	. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 3020-3034	10.7	24
232	Critical Bus Voltage Support in Distribution Systems With Electric Springs and Responsibility Sharing. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3584-3593	7	40
231	Demand response-based preventive-corrective control against short-term voltage instability in power systems 2017 ,		2
230	Exponential input-to-state stability under events for hybrid dynamical networks with coupling time-delays. <i>Journal of the Franklin Institute</i> , 2017 , 354, 7476-7503	4	4
229	Granulated load-side control of power systems with electric spring aggregators 2017 ,		4
228	Developing feedback model for power system dynamic sensitivity analysis. <i>International Transactions on Electrical Energy Systems</i> , 2017 , 27, e2381	2.2	3
227	Design guidelines for MPC-based frequency regulation for islanded microgrids with storage, voltage, and ramping constraints. <i>IET Renewable Power Generation</i> , 2017 , 11, 1200-1210	2.9	13
226	Delay Aware Intelligent Transient Stability Assessment System. <i>IEEE Access</i> , 2017 , 5, 17230-17239	3.5	28
225	Consensus control of electric spring using back-to-back converter for voltage regulation with ultra-high renewable penetration. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017 , 5, 897-907	4	10
224	Modeling and Stability of Microgrids with Smart Loads. <i>IFAC-PapersOnLine</i> , 2017 , 50, 10021-10026	0.7	5
223	Output Synchronization of Linear MIMO Heterogeneous Multi-agent Systems via Output Communication. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1748-1753	0.7	1
222	Prescribed finite time consensus of networked multi-agent systems 2017 ,		7
221	\mathcal{KL} -stability for a class of hybrid dynamical systems. <i>IMA Journal of Applied Mathematics</i> , 2017 , 82, 1043-1060	1	4
220	An enhanced bootstrap filtering method for non-intrusive load monitoring 2016 ,		3
219	Transient Stability Analysis of Microgrids with Network-Preserving Structure. <i>IFAC-PapersOnLine</i> , 2016 , 49, 339-344	0.7	4
218	Enhancing Resilience of Microgrids With Electric Springs. <i>IEEE Transactions on Smart Grid</i> , 2016 , 1-1	10.7	21
217	Transient stability analysis of microgrids with a line-based model 2016 ,		3
216	Improving Nonintrusive Load Monitoring Efficiency via a Hybrid Programming Method. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 2148-2157	11.9	48

215	Fatigue durability assessment of automotive adhesive joints by an in situ corrosion fatigue test. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 1610-1621	2	3
214	. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2748-2760	10.7	39
213	Local Input to State Stability Based Stability Criterion With Applications to Isolated Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 5094-5105	7	12
212	Aggregated demand response modelling for future grid scenarios. <i>Sustainable Energy, Grids and Networks</i> , 2016 , 5, 94-104	3.6	29
211	Impact of Tie-Line Power on Inter-Area Modes With Increased Penetration of Wind Power. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3051-3059	7	23
210	Non-interruptive thermostatically controlled load for primary frequency support 2016 ,		3
209	Aggregated effect of price-taking users equipped with emerging demand-side technologies on performance of future grids 2016 ,		2
208	. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2142-2153	10.7	34
207	A power flow based model for the analysis of vulnerability in power networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 460, 105-115	3.3	23
206	Optimal Scheduling for EV Charging Stations in Distribution Networks: A Convexified Model. <i>IEEE Transactions on Power Systems</i> , 2016 , 1-1	7	21
205	Distributed load-side frequency regulation for power systems 2016 ,		2
204	Event-triggered control for output synchronization of networks with incrementally-dissipative nodes 2016 ,		1
203	Risk-averse multi-objective generation dispatch considering transient stability under load model uncertainty. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 2785-2791	2.5	13
202	Powering China's Sustainable Development with Renewable Energies: Current Status and Future Trend. <i>Electric Power Components and Systems</i> , 2015 , 43, 1193-1204	1	20
201	Mixed \mathcal{K} -Dissipativity and Stabilization to ISS for Impulsive Hybrid Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 791-795	3.5	6
200	Small oscillation fault detection for a class of nonlinear systems with output measurements using deterministic learning. <i>Systems and Control Letters</i> , 2015 , 79, 39-46	2.4	17
199	Output Synchronization of Dynamical Networks with Incrementally-Dissipative Nodes and Switching Topology. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 2312-2323	3.9	40
198	Optimal integration of mobile battery energy storage in distribution system with renewables. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 589-596	4	19

197	Aggregated effect of demand response on performance of future grid scenarios 2015 ,		1
196	An extended prototypical smart meter architecture for demand side management 2015 ,		1
195	Small-disturbance angle stability analysis of microgrids: A graph theory viewpoint 2015 ,		10
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