Hsiao-Dong Chiang

List of Publications by Year
in descending order

195 papers	4,289 citations	147801 31 h-index	133252 59 g-index
197 all docs	197 docs citations	197 times ranked	2254 citing authors

#	Article	IF	Citations
1	CPFLOW: a practical tool for tracing power system steady-state stationary behavior due to load and generation variations. IEEE Transactions on Power Systems, 1995, 10, 623-634.	6.5	537
2	Towards a theory of voltage collapse in electric power systems. Systems and Control Letters, 1989, 13, 253-262.	2.3	345
3	Foundations of direct methods for power system transient stability analysis. IEEE Transactions on Circuits and Systems, 1987, 34, 160-173.	0.9	193
4	Chaos in a simple power system. IEEE Transactions on Power Systems, 1993, 8, 1407-1417.	6.5	178
5	Fast decoupled power flow for unbalanced radial distribution systems. IEEE Transactions on Power Systems, 1995, 10, 2045-2052.	6.5	174
6	Fast service restoration for large-scale distribution systems with priority customers and constraints. IEEE Transactions on Power Systems, 1998, 13, 789-795.	6.5	146
7	Measurement-Based Dynamic Load Models: Derivation, Comparison, and Validation. IEEE Transactions on Power Systems, 2006, 21, 1276-1283.	6.5	133
8	Improving Service Restoration of Power Distribution Systems Through Load Curtailment of In-Service Customers. IEEE Transactions on Power Systems, 2011, 26, 1110-1117.	6.5	103
9	Look-ahead voltage and load margin contingency selection functions for large-scale power systems. IEEE Transactions on Power Systems, 1997, 12, 173-180.	6.5	100
10	An efficient algorithm for real-time network reconfiguration in large scale unbalanced distribution systems. IEEE Transactions on Power Systems, 1996, 11, 511-517.	6.5	88
11	Hierarchical K-means Method for Clustering Large-Scale Advanced Metering Infrastructure Data. IEEE Transactions on Power Delivery, 2017, 32, 609-616.	4.3	86
12	Electric distribution system load capability: problem formulation, solution algorithm, and numerical results. IEEE Transactions on Power Delivery, 2000, 15, 436-442.	4.3	76
13	Multi-tier service restoration through network reconfiguration and capacitor control for large-scale radial distribution networks. IEEE Transactions on Power Systems, 2000, 15, 1001-1007.	6.5	76
14	A systematic search method for obtaining multiple local optimal solutions of nonlinear programming problems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 99-109.	0.1	69
15	Solving the nonlinear power flow equations with an inexact Newton method using GMRES. IEEE Transactions on Power Systems, 1998, 13, 267-273.	6.5	68
16	Toward Optimal Multiperiod Network Reconfiguration for Increasing the Hosting Capacity of Distribution Networks. IEEE Transactions on Power Delivery, 2018, 33, 2294-2304.	4.3	66
17	A Novel Fast and Flexible Holomorphic Embedding Power Flow Method. IEEE Transactions on Power Systems, 2018, 33, 2551-2562.	6.5	56
18	Long-Term Stability Analysis of Power Systems With Wind Power Based on Stochastic Differential Equations: Model Development and Foundations. IEEE Transactions on Sustainable Energy, 2015, 6, 1534-1542.	8.8	50

#	Article	IF	Citations
19	A more efficient formulation for computation of the maximum loading points in electric power systems. IEEE Transactions on Power Systems, 1995, 10, 635-646.	6.5	49
20	Investigating the installed real power transfer capability of a large scale power system under a proposed multiarea interchange schedule using CPFLOW. IEEE Transactions on Power Systems, 1996, 11, 883-889.	6.5	48
21	Fast Newton-FGMRES Solver for Large-Scale Power Flow Study. IEEE Transactions on Power Systems, 2010, 25, 769-776.	6.5	48
22	Development of BCU classifiers for on-line dynamic contingency screening of electric power systems. IEEE Transactions on Power Systems, 1999, 14, 660-666.	6.5	46
23	Feasible Region of Optimal Power Flow: Characterization and Applications. IEEE Transactions on Power Systems, 2018, 33, 236-244.	6.5	45
24	Multiple Solutions and Plateau Phenomenon in Measurement-Based Load Model Development: Issues and Suggestions. IEEE Transactions on Power Systems, 2009, 24, 824-831.	6.5	42
25	CDFLOW: A Practical Tool for Tracing Stationary Behaviors of General Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 1365-1371.	6.5	40
26	Quasi-stability regions of nonlinear dynamical systems: theory. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 627-635.	0.1	39
27	A Novel Consensus-Based Particle Swarm Optimization-Assisted Trust-Tech Methodology for Large-Scale Global Optimization. IEEE Transactions on Cybernetics, 2017, 47, 2717-2729.	9.5	39
28	A High-Accuracy Wind Power Forecasting Model. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	35
29	Homotopy-Enhanced Power Flow Methods for General Distribution Networks With Distributed Generators. IEEE Transactions on Power Systems, 2014, 29, 93-100.	6.5	34
30	Quasi-stability regions of nonlinear dynamical systems: optimal estimations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 636-643.	0.1	33
31	Continuation Power Flow With Nonlinear Power Injection Variations: A Piecewise Linear Approximation. IEEE Transactions on Power Systems, 2008, 23, 1637-1643.	6.5	33
32	Two-Timescale Multi-Objective Coordinated Volt/Var Optimization for Active Distribution Networks. IEEE Transactions on Power Systems, 2019, 34, 4418-4428.	6.5	33
33	Enhanced ELITE-Load: A Novel CMPSOATT Methodology Constructing Short-Term Load Forecasting Model for Industrial Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 2325-2334.	11.3	33
34	Toward Cost-Oriented Forecasting of Wind Power Generation. IEEE Transactions on Smart Grid, 2018, 9, 2508-2517.	9.0	32
35	Constructing Analytical Energy Functions for Network-Preserving Power System Models. Circuits, Systems, and Signal Processing, 2005, 24, 363-383.	2.0	30
36	Aggregator-Based Interactive Charging Management System for Electric Vehicle Charging. Energies, 2016, 9, 159.	3.1	29

#	ARTICLE	IF	CITATIONS
37	Energy Function for Power System With Detailed DC Model: Construction and Analysis. IEEE Transactions on Power Systems, 2013, 28, 3756-3764.	6.5	28
38	A Singular Fixed-Point Homotopy MethodtoLocate the Closest Unstable Equilibrium Point for Transient Stability Region Estimate. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2004, 51, 185-189.	2.2	27
39	Characterization of Stability Region for General Autonomous Nonlinear Dynamical Systems. IEEE Transactions on Automatic Control, 2012, 57, 1564-1569.	5.7	26
40	Analytical Studies of Quasi Steady-State Model in Power System Long-Term Stability Analysis. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 943-956.	5.4	25
41	Maximizing Available Delivery Capability of Unbalanced Distribution Networks for High Penetration of Distributed Generators. IEEE Transactions on Power Delivery, 2017, 32, 1196-1202.	4.3	25
42	Constructive homotopy methods for finding all or multiple DC operating points of nonlinear circuits and systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 35-50.	0.1	24
43	A Novel TRUST-TECH Guided Branch-and-Bound Method for Nonlinear Integer Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1361-1372.	9.3	22
44	Improving supervised wind power forecasting models using extended numerical weather variables and unlabelled data. IET Renewable Power Generation, 2016, 10, 1616-1624.	3.1	22
45	Toward Online Line Switching for Increasing Load Margins to Static Stability Limit. IEEE Transactions on Power Systems, 2016, 31, 1744-1751.	6.5	21
46	Toward Online Bus-Bar Splitting for Increasing Load Margins to Static Stability Limit. IEEE Transactions on Power Systems, 2017, 32, 3715-3725.	6.5	21
47	Convergence Region of Newton Iterative Power Flow Method: Numerical Studies. Journal of Applied Mathematics, 2013, 2013, 1-12.	0.9	20
48	Convergence analysis of implicit Zâ€¢bus power flow method for general distribution networks with distributed generators. IET Generation, Transmission and Distribution, 2016, 10, 412-420.	2.5	20
49	A Two-Time Scale Dynamic Correction Method for Fifth-Order Generator Model Undergoing Large Disturbances. IEEE Transactions on Power Systems, 2016, 31, 3616-3623.	6.5	19
50	Electric vehicle charging station microgrid providing unified power quality conditioner support to local power distribution networks. International Transactions on Electrical Energy Systems, 2017, 27, e2262.	1.9	19
51	Novel Homotopy Theory for Nonlinear Networks and Systems and Its Applications to Electrical Grids. IEEE Transactions on Control of Network Systems, 2018, 5, 1051-1060.	3.7	18
52	An online line switching methodology with look-ahead capability to alleviate power system overloads based on a three-stage strategy. International Journal of Electrical Power and Energy Systems, 2020, 115, 105500.	5.5	18
53	On the Holomorphic and Conjugate Properties for Holomorphic Embedding Methods for Solving Power Flow Equations. IEEE Transactions on Power Systems, 2020, 35, 2506-2515.	6.5	18
54	The generation of ZIP-V curves for tracing power system steady state stationary behavior due to load and generation variations. , 0, , .		17

#	Article	IF	Citations
55	Constructing analytical energy functions for lossless network-reduction power system models: Framework and new developments. Circuits, Systems, and Signal Processing, 1999, 18, 1-16.	2.0	17
56	STRUCTURE-INDUCED BIFURCATION IN LARGE-SCALE ELECTRIC POWER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1415-1424.	1.7	17
57	On the Global Convergence of a Class of Homotopy Methods for Nonlinear Circuits and Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 900-904.	3.0	17
58	Available Delivery Capability of General Distribution Networks With Renewables: Formulations and Solutions. IEEE Transactions on Power Delivery, 2015, 30, 898-905.	4.3	17
59	Network-Preserving Sensitivity-Based Generation Rescheduling for Suppressing Power System Oscillations. IEEE Transactions on Power Systems, 2017, 32, 3824-3832.	6.5	17
60	Toward Complete Characterization of the Steady-State Security Region for the Electricity-Gas Integrated Energy System. IEEE Transactions on Smart Grid, 2021, 12, 3004-3015.	9.0	17
61	Multi-tier service restoration through network reconfiguration and capacitor control for large-scale radial distribution networks. , 0, , .		16
62	A heuristic meter placement method for load estimation. IEEE Transactions on Power Systems, 2002, 17, 913-917.	6.5	16
63	A Framework for Dynamic Stability Analysis of Power Systems With Volatile Wind Power. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 422-431.	3.6	16
64	A Novel Solution Methodology for Solving Large-scale Thermal Unit Commitment Problems. Electric Power Components and Systems, 2010, 38, 1615-1634.	1.8	15
65	Damping Torques of Multi-Machine Power Systems During Transient Behaviors. IEEE Transactions on Power Systems, 2014, 29, 1186-1193.	6.5	14
66	On the Existence of and Lower Bounds for the Number of Optimal Power Flow Solutions. IEEE Transactions on Power Systems, 2019, 34, 1116-1126.	6.5	14
67	Service restoration of power distribution systems incorporating load curtailment. , 2009, , .		13
68	Development of composite load models of power systems using on-line measurement data. , 2006, , .		12
69	Online Line Switching Method for Enhancing the Small-Signal Stability Margin of Power Systems. IEEE Transactions on Smart Grid, 2018, 9, 4426-4435.	9.0	12
70	Numerical investigations on quasi steady-state model for voltage stability. International Transactions on Electrical Energy Systems, 2014, 24, 1586-1599.	1.9	11
71	Group-Based Line Switching for Enhancing Contingency-Constrained Static Voltage Stability. IEEE Transactions on Power Systems, 2020, 35, 1489-1498.	6.5	11
72	Two-Time-Scale Approach to Characterize the Steady-State Security Region for the Electricity-Gas Integrated Energy System. IEEE Transactions on Power Systems, 2021, 36, 5863-5873.	6.5	11

#	Article	IF	Citations
73	Theoretical Study of Non-Iterative Holomorphic Embedding Methods for Solving Nonlinear Power Flow Equations: Algebraic Property. IEEE Transactions on Power Systems, 2021, 36, 2934-2945.	6.5	10
74	Fast service restoration for large-scale distribution systems with priority customers and constraints. , 0, , .		9
75	A Method for Searching Multiple Local Optimal Solutions of Nonlinear Optimization Problems. , 0, , .		9
76	On the Number of Unstable Equilibrium Points on Spatially-Periodic Stability Boundary. IEEE Transactions on Automatic Control, 2016, 61, 2553-2558.	5.7	9
77	Toward an Online Minimum Number of Controls for Relieving Overloads. IEEE Transactions on Power Systems, 2018, 33, 1882-1890.	6.5	9
78	On-line transient stability screening of 14,000-bus models using TEPCO-BCU: Evaluations and methods. , 2010, , .		8
79	Design and implementation of a Web-based Energy Management Application for smart buildings. , 2013, , .		8
80	Numerical Investigation on the Damping Property in Power System Transient Behavior. IEEE Transactions on Power Systems, 2013, 28, 2986-2993.	6.5	8
81	Newton Method and Trajectory-Based Method for Solving Power Flow Problems: Nonlinear Studies. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530018.	1.7	8
82	Online Multiperiod Power Dispatch With Renewable Uncertainty and Storage: A Two-Parameter Homotopy-Enhanced Methodology. IEEE Transactions on Power Systems, 2018, 33, 6321-6331.	6.5	8
83	Solving the nonlinear power flow equations with a Newton process and GMRES. , 0, , .		7
84	Boundary properties of the BCU method for power system transient stability assessment. , 2010, , .		7
85	Weighted Multiple Predictor-corrector Interior Point Method for Optimal Power Flow. Electric Power Components and Systems, 2011, 39, 99-112.	1.8	7
86	Quasi steady-state model for power system stability: Limitations, analysis and a remedy. , 2014, , .		7
87	Neighboring Stable Equilibrium Points in Spatially-Periodic Nonlinear Dynamical Systems: Theory and Applications. IEEE Transactions on Automatic Control, 2015, 60, 2390-2401.	5.7	7
88	Toward optimal multi-period network reconfiguration for increasing the hosting capacity of distribution networks. , 2017, , .		7
89	Pseudo-Pitchfork Bifurcation of Feasible Regions in Power Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830002.	1.7	7
90	On the Accuracy of the Online Static Security Assessment Under Different Models: Assessment and Basis. IEEE Transactions on Power Systems, 2019, 34, 4352-4360.	6.5	7

#	ARTICLE	IF	CITATIONS
91	A study of electric distribution network load capability. , 0, , .		6
92	Service restoration for unbalanced radial distribution systems with varying loads: solution algorithm. , 0, , .		6
93	Investigation of an Effective Strategy for Computing Small-Signal Security Margins. IEEE Transactions on Power Systems, 2018, 33, 5437-5445.	6.5	6
94	A Novel FFHE-Inspired Method for Large Power System Static Stability Computation. IEEE Transactions on Power Systems, 2022, 37, 726-737.	6.5	6
95	Theory of the potential energy boundary surface. , 1985, , .		5
96	Capacitor placement and real time control in large-scale unbalanced distribution systems: loss reduction formula, problem formulation, solution methodology and mathematical justification. , 0, , .		5
97	LOCAL BIFURCATION BOUNDARY AND STEADY-STATE SECURITY BOUNDARY IN LARGE ELECTRIC POWER SYSTEMS: NUMERICAL STUDIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 647-662.	1.7	5
98	Structural Emergency Control Paradigm. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 371-382.	3.6	5
99	Power system load ranking for voltage stability analysis. , 2006, , .		4
100	A Enhanced Contingency Selection Method with respect to Multiple Contingencies for On-line Voltage Stability Assessment. , 2006, , .		4
101	Towards development of generalized energy functions for electric power systems. , 2012, , .		4
102	Some issues with Quasi-Steady State model in long-term stability. , 2013, , .		4
103	Available delivery capability of general distribution networks with renewables: Formulations and solutions. , 2014, , .		4
104	Stability region of a wind power system under low-voltage ride-through constraint. , 2016, , .		4
105	Multi-Objective Look-Ahead Reactive Power Control for Active Distribution Networks with Composite Loads. , 2018, , .		4
106	Optimal Placement and Sizing for Fault Current Limiters: Multi-Objective Optimization Approach. , 2018, , .		4
107	A Dynamic Theory-Based Method for Computing Unstable Equilibrium Points of Power Systems. IEEE Transactions on Power Systems, 2020, 35, 1946-1955.	6.5	4
108	A Novel TRUST-TECH-Enabled Trajectory-Unified Methodology for Computing Multiple Optimal Solutions of Constrained Nonlinear Optimization: Theory and Computation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 473-484.	9.3	4

#	Article	IF	Citations
109	A Trajectory-Unified Method for Constructing the Feasible Region of OPF Problems. Electric Power Components and Systems, 2020, 48, 423-435.	1.8	4
110	Starting point selection approach for power system model validation using event playback. IET Generation, Transmission and Distribution, 2020, 14, 3972-3982.	2.5	4
111	Quotient gradient methods for solving constraint satisfaction problems. , 0, , .		3
112	Capacitor placement and real time control in large-scale unbalanced distribution systems: numerical studies. , 0, , .		3
113	Stability regions of non-hyperbolic dynamical systems: theory and optimal estimation. , 0, , .		3
114	Exciter model reduction and validation for large-scale power system dynamic security assessment. , 2008, , .		3
115	Critical evaluation of methods for estimating stability boundary for transient stability analysis in power systems. , 2010, , .		3
116	Harmonic analysis of power system with wind generations and plug-in electric vehicles. , 2013, , .		3
117	Local Bifurcations of Electric Distribution Networks with Renewable Energy. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450102.	1.7	3
118	Application of pseudo-transient continuation method in dynamic stability analysis. , 2014, , .		3
119	Toward on-line line switching method for relieving overloads in power systems. , 2015, , .		3
120	On the dynamics and transient stability of power systems post-transmission switching. , 2017, , .		3
121	Toward Characterization of the Feasible Region of Loadability of Power Systems. , 2019, , .		3
122	Smooth Power Flow Model for Unified Voltage Stability Assessment: Theory and Computation. IEEE Transactions on Power Systems, 2022, 37, 4579-4589.	6.5	3
123	Robust Optimal Power Flow under Renewable Uncertainty with Pairwise Convex Hull and Non-Affine AGC Redispatch Strategy. Electric Power Systems Research, 2022, 210, 108136.	3.6	3
124	Fractally deformed basin boundaries of pendulum systems: New approaches in the study of swing dynamics. , 1987, , .		2
125	Integrated system for developing intelligent electronic standards book with Internet capability. , 0, , .		2
126	Computation of multiple type-one equilibrium points on the stability boundary using generalized fixed-point homotopy methods. , 0, , .		2

#	Article	IF	Citations
127	A novel system for automatic generation of service reliability reports from automated mapping and facility management (AM/FM) systems. IEEE Transactions on Power Systems, 2002, 17, 812-817.	6.5	2
128	Stability Region Based Expectation Maximization for Model-based Clustering. IEEE International Conference on Data Mining, 2006, , .	0.0	2
129	Slow voltage recovery response of several load models: Evaluation study. , 2008, , .		2
130	APPLYING BIFURCATION ANALYSIS TO DETERMINE OPTIMAL PLACEMENTS OF MEASUREMENT DEVICES FOR POWER SYSTEM LOAD MODELING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2111-2121.	1.7	2
131	Trust-tech based parameter estimation and its application to power system load modeling. , 2009, , .		2
132	A new model of phase shifter for its efficient integration in interior point optimal power flow. European Transactions on Electrical Power, 2010, 20, 505-517.	1.0	2
133	Convergence regions of Newton method in power flow studies: Numerical studies. , 2013, , .		2
134	Stability regions of two-time-scale continuous dynamical systems. , 2015, , 287-321.		2
135	On the number of system separations in power system. , 2015, , .		2
136	A Hybrid Quasi Steady-State Model for Long-Term Stability Analysis of Electric Power Networks: Model Development and Theoretical Basis. IEEE Transactions on Control of Network Systems, 2017, 4, 533-543.	3.7	2
137	Damping Representation for the Fifth-Order Generator Model in Transient Behaviors. IEEE Transactions on Power Systems, 2017, 32, 4924-4933.	6.5	2
138	Capture renewable energy uncertainty by pair convex hull and its application to robust DCOPF. , 2017, , .		2
139	Multi-Objective User Preference Enabling Method for Service Restoration in Distribution Networks with High Renewable Energy Penetration. Electric Power Components and Systems, 2021, 49, 199-211.	1.8	2
140	A Pairwise Convex Hull Approach for Effective Representation of Uncertainty for System Analysis and Its Application to Power Grids. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2498-2502.	3.0	2
141	Trust-Tech Source-Point Method for Systematically Computing Multiple Local Optimal Solutions: Theory and Method. IEEE Transactions on Cybernetics, 2022, 52, 11686-11697.	9.5	2
142	TRUST-TECH-Based Systematic Search for Multiple Local Optima in Deep Neural Nets. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3706-3716.	11.3	2
143	Potential energy boundary surface method: Simulation study. , 1987, , .		1
144	The closest unstable equilibrium point method for power system dynamic security assessment. , 1987, , .		1

#	Article	IF	Citations
145	Persistence of the saddle-node bifurcation for nonlinear systems with slow unmodeled dynamics. Circuits, Systems, and Signal Processing, 1993, 12, 533-555.	2.0	1
146	An investigation of invariant properties of unstable equilibrium points on the stability boundary for simple power system models. , 0, , .		1
147	A genetic algorithm-based approach to stochastic Var planning in power systems. , 0, , .		1
148	A trajectory-based methodology for systematically computing multiple optimal solutions of general nonlinear programming problems. , 0, , .		1
149	Justification of some field observations of dynamic load behaviors: Analytical and numerical approach. , 2008, , .		1
150	Sequential feasible optimal power flow: theoretical basis and numerical implementation. European Transactions on Electrical Power, 2010, 20, 695-709.	1.0	1
151	Damping property in power system transient behaviors. , 2012, , .		1
152	Saddle-node bifurcation in three-phase unbalanced distribution networks with distributed generators. , 2013, , .		1
153	Maximizing delivery capability of unbalanced distribution networks for high penetration of distributed generation. , 2013, , .		1
154	Toward real-time detection of critical contingency of large power systems. , 2013, , .		1
155	Energy-guided time-domain simulation for critical clearing time reassessment in the TTS-CUEP/BCU method. , 2014, , .		1
156	Multi-objective service restoration of distribution systems using group-based two-stage methodology. , 2014, , .		1
157	Bifurcations of stability regions. , 0, , 357-386.		1
158	Toward Online Control of Local Bifurcation in Power Systems via Network Topology Optimization. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550167.	1.7	1
159	On the Number and Types of Unstable Equilibria in Nonlinear Dynamical Systems with Uniformly-Bounded Stability Regions. IEEE Transactions on Automatic Control, 2015, , 1-1.	5.7	1
160	On the continuation-path uniqueness of homotopy enhanced power flow method for general distribution networks with distributed generators. , 2015, , .		1
161	On the Acurracy of the Online Static Security Assessment under Different Models: Evaluation Study. , 2018, , .		1
162	Feasible Region of Coupling Multi-Energy System: Modeling, Characterization and Visualization. , 2018, , .		1

#	Article	IF	Citations
163	Toward Online Line Switching Methodology for Relieving Power System Overloads. , 2019, , .		1
164	Toward Multiple Optimal Power Flow Solutions and Local Bifurcations. , 2019, , .		1
165	Toward Partial State Estimation of Distribution Network Under Novel Micro-PMU Placement. , 2019, , .		1
166	Generalized Energy Functions for a Class of Third-Order Nonlinear Dynamical Systems. IEEE Transactions on Automatic Control, 2021, 66, 3111-3122.	5.7	1
167	Toward a Comprehensive Theory for Stability Regions of a Class of Nonlinear Discrete Dynamical Systems. IEEE Transactions on Automatic Control, 2021, 66, 4371-4377.	5.7	1
168	Toward online multi€period power dispatch with AC constraints and renewable energy. IET Generation, Transmission and Distribution, 2018, 12, 3502-3509.	2.5	1
169	Simultaneous Identification and Correction of Multiple Network Parameter Errors by Mixed-Effects Models. IEEE Transactions on Control of Network Systems, 2022, 9, 879-890.	3.7	1
170	On the Pseudo-Bifurcation of Non-Convexity in the Feasible Region of AC Optimal Power Flow. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2231-2235.	3.0	1
171	Optimal Controller Placements in Large Scale Linear Systems. , 1989, , .		0
172	An efficient algorithm for real-time network reconfiguration in large scale unbalanced distribution systems. , 0, , .		0
173	Convergent regions of Newton homotopy methods for nonlinear systems: theory and computational applications. , 0, , .		0
174	Fast Newton-FGMRES solver for large-scale power flow study. , 2009, , .		0
175	Toward the development of a Trust-Tech-based methodology for solving mixed integer nonlinear optimization. Nonlinear Theory and Its Applications IEICE, 2011, 2, 281-301.	0.6	0
176	Damping-dependent energy functions and impact on the stability region estimation. , 2012, , .		0
177	Towards development of a CUEP method for Network-preserving power system models. , 2013, , .		0
178	An improved optimal power flow model incorporating wind power. , 2013, , .		0
179	A two-stage trust-tech based methodology for excitation system equivalence. , 2014, , .		0
180	Toward on-line system splitting method for emergency control with priority service areas. , 2015, , .		0

#	Article	IF	Citations
181	Toward online line switching method for reducing transmission loss in power systems. , 2016, , .		0
182	Trust-Tech-Enhanced SVM Predictors for Solar Energy Prediction. , 2016, , .		0
183	Structural emergency control for power grids. , 2017, , .		0
184	Developing Piecewise Damping Terms for the Fifth-Order Generator Model Under Large Disturbances. Electric Power Components and Systems, 2018, 46, 974-985.	1.8	0
185	Multi-Objective Look-Ahead Power Dispatch with Renewables: The User Preference Enabling Method and Theory. , 2018, , .		0
186	Feasibility Identification of an Optimal Power Flow Problem: Method and the Convergence Region. , 2019, , .		0
187	Toward Look-ahead Line Switching for Enhancing Static Voltage Stability. , 2019, , .		0
188	Analytical Results on the Non-Convexity of Lossy Optimal Power Flow Models. , 2020, , .		0
189	Toward a Long-Life Property of the Global Optimal Solution in OPF: Numerical Studies. , 2020, , .		0
190	Fast computation for saddle-node bifurcation points of general nonlinear system with decoupled parameters. , 0, , .		0
191	On the Non-Convexity Degree of Lossy Optimal Power Flow Models: Numerical Studies. , 2020, , .		0
192	Toward Calculation of High Quality Control Measures for Unsolvable Power Flows. , 2020, , .		0
193	Bus-bar Splitting on Enhancing Static Voltage Stability for The Base and Contingency Cases. , 2020, , .		0
194	Toward Characterization of the Feasible Injection Region of Distributed Generations with Different Control Modes. , 2021, , .		0
195	Velocity Feedback Control of A Class of Systems and Its Application to the Design of Stabilizers in Multimachine Power Systems. , 1989, , .		0