Hsiao-Dong Chiang

List of Publications by Year
in descending order

195 papers	4,289 citations	168829 31 h-index	150775 59 g-index
197 all docs	197 docs citations	197 times ranked	2537 citing authors

#	Article	IF	Citations
1	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.	7.2	2
2	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.	5.9	4
3	A Novel FFHE-Inspired Method for Large Power System Static Stability Computation. IEEE Transactions on Power Systems, 2022, 37, 726-737.	4.6	6
4	Trust-Tech Source-Point Method for Systematically Computing Multiple Local Optimal Solutions: Theory and Method. IEEE Transactions on Cybernetics, 2022, 52, 11686-11697.	6.2	2
5	Simultaneous Identification and Correction of Multiple Network Parameter Errors by Mixed-Effects Models. IEEE Transactions on Control of Network Systems, 2022, 9, 879-890.	2.4	1
6	Smooth Power Flow Model for Unified Voltage Stability Assessment: Theory and Computation. IEEE Transactions on Power Systems, 2022, 37, 4579-4589.	4.6	3
7	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.	2.2	1
8	Robust Optimal Power Flow under Renewable Uncertainty with Pairwise Convex Hull and Non-Affine AGC Redispatch Strategy. Electric Power Systems Research, 2022, 210, 108136.	2.1	3
9	Generalized Energy Functions for a Class of Third-Order Nonlinear Dynamical Systems. IEEE Transactions on Automatic Control, 2021, 66, 3111-3122.	3.6	1
10	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.	1.0	2
11	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.	2.2	2
12	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.	4.6	10
13	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.	6.2	17
14	Toward a Comprehensive Theory for Stability Regions of a Class of Nonlinear Discrete Dynamical Systems. IEEE Transactions on Automatic Control, 2021, 66, 4371-4377.	3.6	1
15	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.	4.6	11
16	Toward Characterization of the Feasible Injection Region of Distributed Generations with Different Control Modes. , 2021, , .		0
17	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.	3.3	18
18	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.	7.2	33

#	Article	IF	Citations
19	Group-Based Line Switching for Enhancing Contingency-Constrained Static Voltage Stability. IEEE Transactions on Power Systems, 2020, 35, 1489-1498.	4.6	11
20	A Dynamic Theory-Based Method for Computing Unstable Equilibrium Points of Power Systems. IEEE Transactions on Power Systems, 2020, 35, 1946-1955.	4.6	4
21	On the Holomorphic and Conjugate Properties for Holomorphic Embedding Methods for Solving Power Flow Equations. IEEE Transactions on Power Systems, 2020, 35, 2506-2515.	4.6	18
22	A Trajectory-Unified Method for Constructing the Feasible Region of OPF Problems. Electric Power Components and Systems, 2020, 48, 423-435.	1.0	4
23	Analytical Results on the Non-Convexity of Lossy Optimal Power Flow Models. , 2020, , .		0
24	Toward a Long-Life Property of the Global Optimal Solution in OPF: Numerical Studies. , 2020, , .		0
25	Starting point selection approach for power system model validation using event playback. IET Generation, Transmission and Distribution, 2020, 14, 3972-3982.	1.4	4
26	On the Non-Convexity Degree of Lossy Optimal Power Flow Models: Numerical Studies. , 2020, , .		0
27	Toward Calculation of High Quality Control Measures for Unsolvable Power Flows. , 2020, , .		0
28	Bus-bar Splitting on Enhancing Static Voltage Stability for The Base and Contingency Cases. , 2020, , .		0
29	On the Accuracy of the Online Static Security Assessment Under Different Models: Assessment and Basis. IEEE Transactions on Power Systems, 2019, 34, 4352-4360.	4.6	7
30	Two-Timescale Multi-Objective Coordinated Volt/Var Optimization for Active Distribution Networks. IEEE Transactions on Power Systems, 2019, 34, 4418-4428.	4.6	33
31	Toward Online Line Switching Methodology for Relieving Power System Overloads. , 2019, , .		1
32	Toward Multiple Optimal Power Flow Solutions and Local Bifurcations. , 2019, , .		1
33	Feasibility Identification of an Optimal Power Flow Problem: Method and the Convergence Region. , 2019, , .		0
34	Toward Characterization of the Feasible Region of Loadability of Power Systems. , 2019, , .		3
35	Toward Partial State Estimation of Distribution Network Under Novel Micro-PMU Placement. , 2019, , .		1
36	Toward Look-ahead Line Switching for Enhancing Static Voltage Stability. , 2019, , .		0

#	Article	IF	Citations
37	On the Existence of and Lower Bounds for the Number of Optimal Power Flow Solutions. IEEE Transactions on Power Systems, 2019, 34, 1116-1126.	4.6	14
38	Investigation of an Effective Strategy for Computing Small-Signal Security Margins. IEEE Transactions on Power Systems, 2018, 33, 5437-5445.	4.6	6
39	Pseudo-Pitchfork Bifurcation of Feasible Regions in Power Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830002.	0.7	7
40	Online Multiperiod Power Dispatch With Renewable Uncertainty and Storage: A Two-Parameter Homotopy-Enhanced Methodology. IEEE Transactions on Power Systems, 2018, 33, 6321-6331.	4.6	8
41	Toward Optimal Multiperiod Network Reconfiguration for Increasing the Hosting Capacity of Distribution Networks. IEEE Transactions on Power Delivery, 2018, 33, 2294-2304.	2.9	66
42	Toward Cost-Oriented Forecasting of Wind Power Generation. IEEE Transactions on Smart Grid, 2018, 9, 2508-2517.	6.2	32
43	Feasible Region of Optimal Power Flow: Characterization and Applications. IEEE Transactions on Power Systems, 2018, 33, 236-244.	4.6	45
44	Online Line Switching Method for Enhancing the Small-Signal Stability Margin of Power Systems. IEEE Transactions on Smart Grid, 2018, 9, 4426-4435.	6.2	12
45	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.	2.4	18
46	Toward an Online Minimum Number of Controls for Relieving Overloads. IEEE Transactions on Power Systems, 2018, 33, 1882-1890.	4.6	9
47	A Novel Fast and Flexible Holomorphic Embedding Power Flow Method. IEEE Transactions on Power Systems, 2018, 33, 2551-2562.	4.6	56
48	Multi-Objective Look-Ahead Reactive Power Control for Active Distribution Networks with Composite Loads. , 2018, , .		4
49	On the Acurracy of the Online Static Security Assessment under Different Models: Evaluation Study. , 2018, , .		1
50	Optimal Placement and Sizing for Fault Current Limiters: Multi-Objective Optimization Approach. , 2018, , .		4
51	Feasible Region of Coupling Multi-Energy System: Modeling, Characterization and Visualization. , 2018, , .		1
52	Developing Piecewise Damping Terms for the Fifth-Order Generator Model Under Large Disturbances. Electric Power Components and Systems, 2018, 46, 974-985.	1.0	0
53	Multi-Objective Look-Ahead Power Dispatch with Renewables: The User Preference Enabling Method and Theory. , 2018, , .		0
54	Toward online multiâ€period power dispatch with AC constraints and renewable energy. IET Generation, Transmission and Distribution, 2018, 12, 3502-3509.	1.4	1

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55	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.	2.4	2
56	Hierarchical K-means Method for Clustering Large-Scale Advanced Metering Infrastructure Data. IEEE Transactions on Power Delivery, 2017, 32, 609-616.	2.9	86
57	A Novel Consensus-Based Particle Swarm Optimization-Assisted Trust-Tech Methodology for Large-Scale Global Optimization. IEEE Transactions on Cybernetics, 2017, 47, 2717-2729.	6.2	39
58	Network-Preserving Sensitivity-Based Generation Rescheduling for Suppressing Power System Oscillations. IEEE Transactions on Power Systems, 2017, 32, 3824-3832.	4.6	17
59	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.	2.7	16
60	Structural Emergency Control Paradigm. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 371-382.	2.7	5
61	Damping Representation for the Fifth-Order Generator Model in Transient Behaviors. IEEE Transactions on Power Systems, 2017, 32, 4924-4933.	4.6	2
62	Toward Online Bus-Bar Splitting for Increasing Load Margins to Static Stability Limit. IEEE Transactions on Power Systems, 2017, 32, 3715-3725.	4.6	21
63	Structural emergency control for power grids. , 2017, , .		0
64	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.	1.2	19
65	On the dynamics and transient stability of power systems post-transmission switching. , 2017, , .		3
66	Maximizing Available Delivery Capability of Unbalanced Distribution Networks for High Penetration of Distributed Generators. IEEE Transactions on Power Delivery, 2017, 32, 1196-1202.	2.9	25
67	Capture renewable energy uncertainty by pair convex hull and its application to robust DCOPF. , 2017, , .		2
68	Toward optimal multi-period network reconfiguration for increasing the hosting capacity of distribution networks. , 2017, , .		7
69	Aggregator-Based Interactive Charging Management System for Electric Vehicle Charging. Energies, 2016, 9, 159.	1.6	29
70	A High-Accuracy Wind Power Forecasting Model. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	35
71	Improving supervised wind power forecasting models using extended numerical weather variables and unlabelled data. IET Renewable Power Generation, 2016, 10, 1616-1624.	1.7	22
72	Toward online line switching method for reducing transmission loss in power systems. , 2016, , .		0

#	Article	IF	Citations
73	Trust-Tech-Enhanced SVM Predictors for Solar Energy Prediction. , 2016, , .		0
74	Stability region of a wind power system under low-voltage ride-through constraint. , 2016, , .		4
75	Convergence analysis of implicit Z–bus power flow method for general distribution networks with distributed generators. IET Generation, Transmission and Distribution, 2016, 10, 412-420.	1.4	20
76	A Two-Time Scale Dynamic Correction Method for Fifth-Order Generator Model Undergoing Large Disturbances. IEEE Transactions on Power Systems, 2016, 31, 3616-3623.	4.6	19
77	On the Number of Unstable Equilibrium Points on Spatially-Periodic Stability Boundary. IEEE Transactions on Automatic Control, 2016, 61, 2553-2558.	3.6	9
78	Toward Online Line Switching for Increasing Load Margins to Static Stability Limit. IEEE Transactions on Power Systems, 2016, 31, 1744-1751.	4.6	21
79	Stability regions of two-time-scale continuous dynamical systems. , 2015, , 287-321.		2
80	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.	0.7	8
81	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.	0.7	1
82	Available Delivery Capability of General Distribution Networks With Renewables: Formulations and Solutions. IEEE Transactions on Power Delivery, 2015, 30, 898-905.	2.9	17
83	Toward on-line line switching method for relieving overloads in power systems. , 2015, , .		3
84	Neighboring Stable Equilibrium Points in Spatially-Periodic Nonlinear Dynamical Systems: Theory and Applications. IEEE Transactions on Automatic Control, 2015, 60, 2390-2401.	3.6	7
85	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.	5.9	50
86	On the number of system separations in power system. , 2015, , .		2
87	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.	3.6	1
88	Toward on-line system splitting method for emergency control with priority service areas. , 2015, , .		0
89	On the continuation-path uniqueness of homotopy enhanced power flow method for general distribution networks with distributed generators. , 2015, , .		1
90	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.	5.9	22

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91	Local Bifurcations of Electric Distribution Networks with Renewable Energy. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450102.	0.7	3
92	Application of pseudo-transient continuation method in dynamic stability analysis. , 2014, , .		3
93	Quasi steady-state model for power system stability: Limitations, analysis and a remedy. , 2014, , .		7
94	Numerical investigations on quasi steady-state model for voltage stability. International Transactions on Electrical Energy Systems, 2014, 24, 1586-1599.	1.2	11
95	CDFLOW: A Practical Tool for Tracing Stationary Behaviors of General Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 1365-1371.	4.6	40
96	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.	3.5	25
97	Damping Torques of Multi-Machine Power Systems During Transient Behaviors. IEEE Transactions on Power Systems, 2014, 29, 1186-1193.	4.6	14
98	Energy-guided time-domain simulation for critical clearing time reassessment in the TTS-CUEP/BCU method. , 2014, , .		1
99	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.	2.2	17
100	Available delivery capability of general distribution networks with renewables: Formulations and solutions. , 2014, , .		4
101	Multi-objective service restoration of distribution systems using group-based two-stage methodology. , 2014, , .		1
102	Homotopy-Enhanced Power Flow Methods for General Distribution Networks With Distributed Generators. IEEE Transactions on Power Systems, 2014, 29, 93-100.	4.6	34
103	A two-stage trust-tech based methodology for excitation system equivalence. , 2014, , .		0
104	Convergence regions of Newton method in power flow studies: Numerical studies. , 2013, , .		2
105	Energy Function for Power System With Detailed DC Model: Construction and Analysis. IEEE Transactions on Power Systems, 2013, 28, 3756-3764.	4.6	28
106	Towards development of a CUEP method for Network-preserving power system models. , 2013, , .		0
107	Saddle-node bifurcation in three-phase unbalanced distribution networks with distributed generators. , 2013, , .		1
108	Design and implementation of a Web-based Energy Management Application for smart buildings. , 2013, , .		8

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109	Numerical Investigation on the Damping Property in Power System Transient Behavior. IEEE Transactions on Power Systems, 2013, 28, 2986-2993.	4.6	8
110	Maximizing delivery capability of unbalanced distribution networks for high penetration of distributed generation. , 2013, , .		1
111	An improved optimal power flow model incorporating wind power. , 2013, , .		0
112	Convergence Region of Newton Iterative Power Flow Method: Numerical Studies. Journal of Applied Mathematics, 2013, 2013, 1-12.	0.4	20
113	Some issues with Quasi-Steady State model in long-term stability. , 2013, , .		4
114	Toward real-time detection of critical contingency of large power systems. , 2013, , .		1
115	Harmonic analysis of power system with wind generations and plug-in electric vehicles. , 2013, , .		3
116	Damping property in power system transient behaviors. , 2012, , .		1
117	Characterization of Stability Region for General Autonomous Nonlinear Dynamical Systems. IEEE Transactions on Automatic Control, 2012, 57, 1564-1569.	3.6	26
118	Towards development of generalized energy functions for electric power systems. , 2012, , .		4
119	Damping-dependent energy functions and impact on the stability region estimation. , 2012, , .		0
120	Weighted Multiple Predictor-corrector Interior Point Method for Optimal Power Flow. Electric Power Components and Systems, 2011, 39, 99-112.	1.0	7
121	Improving Service Restoration of Power Distribution Systems Through Load Curtailment of In-Service Customers. IEEE Transactions on Power Systems, 2011, 26, 1110-1117.	4.6	103
122	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.	0.4	0
123	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.	0.7	5
124	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
125	Sequential feasible optimal power flow: theoretical basis and numerical implementation. European Transactions on Electrical Power, 2010, 20, 695-709.	1.0	1
126	On-line transient stability screening of 14,000-bus models using TEPCO-BCU: Evaluations and methods. , 2010, , .		8

#	Article	IF	Citations
127	Boundary properties of the BCU method for power system transient stability assessment. , 2010, , .		7
128	Critical evaluation of methods for estimating stability boundary for transient stability analysis in power systems. , 2010, , .		3
129	A Novel Solution Methodology for Solving Large-scale Thermal Unit Commitment Problems. Electric Power Components and Systems, 2010, 38, 1615-1634.	1.0	15
130	Fast Newton-FGMRES Solver for Large-Scale Power Flow Study. IEEE Transactions on Power Systems, 2010, 25, 769-776.	4.6	48
131	Fast Newton-FGMRES solver for large-scale power flow study. , 2009, , .		0
132	Trust-tech based parameter estimation and its application to power system load modeling. , 2009, , .		2
133	Service restoration of power distribution systems incorporating load curtailment. , 2009, , .		13
134	Multiple Solutions and Plateau Phenomenon in Measurement-Based Load Model Development: Issues and Suggestions. IEEE Transactions on Power Systems, 2009, 24, 824-831.	4.6	42
135	Slow voltage recovery response of several load models: Evaluation study. , 2008, , .		2
136	Exciter model reduction and validation for large-scale power system dynamic security assessment. , 2008, , .		3
137	Continuation Power Flow With Nonlinear Power Injection Variations: A Piecewise Linear Approximation. IEEE Transactions on Power Systems, 2008, 23, 1637-1643.	4.6	33
138	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.	0.7	2
139	STRUCTURE-INDUCED BIFURCATION IN LARGE-SCALE ELECTRIC POWER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1415-1424.	0.7	17
140	Justification of some field observations of dynamic load behaviors: Analytical and numerical approach. , 2008, , .		1
141	Stability Region Based Expectation Maximization for Model-based Clustering. IEEE International Conference on Data Mining, 2006, , .	0.0	2
142	Power system load ranking for voltage stability analysis. , 2006, , .		4
143	Measurement-Based Dynamic Load Models: Derivation, Comparison, and Validation. IEEE Transactions on Power Systems, 2006, 21, 1276-1283.	4.6	133
144	A Enhanced Contingency Selection Method with respect to Multiple Contingencies for On-line Voltage Stability Assessment. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
145	Development of composite load models of power systems using on-line measurement data. , 2006, , .		12
146	Constructing Analytical Energy Functions for Network-Preserving Power System Models. Circuits, Systems, and Signal Processing, 2005, 24, 363-383.	1.2	30
147	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.	2.3	27
148	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.	4.6	2
149	A heuristic meter placement method for load estimation. IEEE Transactions on Power Systems, 2002, 17, 913-917.	4.6	16
150	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
151	Electric distribution system load capability: problem formulation, solution algorithm, and numerical results. IEEE Transactions on Power Delivery, 2000, 15, 436-442.	2.9	76
152	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.	4.6	76
153	Constructing analytical energy functions for lossless network-reduction power system models: Framework and new developments. Circuits, Systems, and Signal Processing, 1999, 18, 1-16.	1.2	17
154	Development of BCU classifiers for on-line dynamic contingency screening of electric power systems. IEEE Transactions on Power Systems, 1999, 14, 660-666.	4.6	46
155	Fast service restoration for large-scale distribution systems with priority customers and constraints. IEEE Transactions on Power Systems, 1998, 13, 789-795.	4.6	146
156	Solving the nonlinear power flow equations with an inexact Newton method using GMRES. IEEE Transactions on Power Systems, 1998, 13, 267-273.	4.6	68
157	Look-ahead voltage and load margin contingency selection functions for large-scale power systems. IEEE Transactions on Power Systems, 1997, 12, 173-180.	4.6	100
158	An efficient algorithm for real-time network reconfiguration in large scale unbalanced distribution systems. IEEE Transactions on Power Systems, 1996, 11, 511-517.	4.6	88
159	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
160	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
161	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
162	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.	4.6	48

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163	A more efficient formulation for computation of the maximum loading points in electric power systems. IEEE Transactions on Power Systems, 1995, 10, 635-646.	4.6	49
164	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.	4.6	537
165	Fast decoupled power flow for unbalanced radial distribution systems. IEEE Transactions on Power Systems, 1995, 10, 2045-2052.	4.6	174
166	Persistence of the saddle-node bifurcation for nonlinear systems with slow unmodeled dynamics. Circuits, Systems, and Signal Processing, 1993, 12, 533-555.	1.2	1
167	Chaos in a simple power system. IEEE Transactions on Power Systems, 1993, 8, 1407-1417.	4.6	178
168	Optimal Controller Placements in Large Scale Linear Systems. , 1989, , .		0
169	Towards a theory of voltage collapse in electric power systems. Systems and Control Letters, 1989, 13, 253-262.	1.3	345
170	Velocity Feedback Control of A Class of Systems and Its Application to the Design of Stabilizers in Multimachine Power Systems. , 1989, , .		0
171	Fractally deformed basin boundaries of pendulum systems: New approaches in the study of swing dynamics. , 1987, , .		2
172	Potential energy boundary surface method: Simulation study. , 1987, , .		1
173	The closest unstable equilibrium point method for power system dynamic security assessment. , 1987, , .		1
174	Foundations of direct methods for power system transient stability analysis. IEEE Transactions on Circuits and Systems, 1987, 34, 160-173.	0.9	193
175	Theory of the potential energy boundary surface. , 1985, , .		5
176	Quotient gradient methods for solving constraint satisfaction problems. , 0, , .		3
177	An investigation of invariant properties of unstable equilibrium points on the stability boundary for simple power system models. , 0, , .		1
178	A genetic algorithm-based approach to stochastic Var planning in power systems. , 0, , .		1
179	An efficient algorithm for real-time network reconfiguration in large scale unbalanced distribution systems. , 0, , .		0
180	Capacitor placement and real time control in large-scale unbalanced distribution systems: loss reduction formula, problem formulation, solution methodology and mathematical justification. , 0, , .		5

#	ARTICLE	IF	CITATIONS
181	Capacitor placement and real time control in large-scale unbalanced distribution systems: numerical studies. , 0, , .		3
182	Solving the nonlinear power flow equations with a Newton process and GMRES. , 0, , .		7
183	A study of electric distribution network load capability. , 0, , .		6
184	Fast service restoration for large-scale distribution systems with priority customers and constraints. , 0, , .		9
185	The generation of ZIP-V curves for tracing power system steady state stationary behavior due to load and generation variations. , 0, , .		17
186	Multi-tier service restoration through network reconfiguration and capacitor control for large-scale radial distribution networks. , 0, , .		16
187	Integrated system for developing intelligent electronic standards book with Internet capability. , 0, , .		2
188	Service restoration for unbalanced radial distribution systems with varying loads: solution algorithm. , 0, , .		6
189	Convergent regions of Newton homotopy methods for nonlinear systems: theory and computational applications. , 0, , .		0
190	Stability regions of non-hyperbolic dynamical systems: theory and optimal estimation. , 0, , .		3
191	A trajectory-based methodology for systematically computing multiple optimal solutions of general nonlinear programming problems. , 0, , .		1
192	Computation of multiple type-one equilibrium points on the stability boundary using generalized fixed-point homotopy methods. , 0, , .		2
193	A Method for Searching Multiple Local Optimal Solutions of Nonlinear Optimization Problems. , 0, , .		9
194	Bifurcations of stability regions. , 0, , 357-386.		1
195	Fast computation for saddle-node bifurcation points of general nonlinear system with decoupled parameters. , 0, , .		0