

# Haozhong Cheng

## List of Publications by Year in descending order

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65  
papers

596  
citations

687363

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677142

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all docs

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docs citations

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times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic optimal transmission switching considering the correlated wind power. IET Generation, Transmission and Distribution, 2019, 13, 2664-2672.	2.5	8
2	Multistage fuzzy-robust transmission network expansion planning under uncertainties. International Transactions on Electrical Energy Systems, 2019, 29, e12054.	1.9	7
3	Decentralized Expansion of Transmission Networks Incorporating Active Distribution Networks. , 2019, , .		1
4	Probability constrained optimisation model for transmission expansion planning considering the curtailment of wind power. Journal of Engineering, 2019, 2019, 5340-5344.	1.1	2
5	A Hierarchical Energy Scheduling Framework of Microgrids With Hybrid Energy Storage Systems. IEEE Access, 2018, 6, 2472-2483.	4.2	34
6	Optimal Size and Location of Battery Energy Storage Systems for Reducing the Wind Power Curtailments. Electric Power Components and Systems, 2018, 46, 342-352.	1.8	5
7	Multi-objective bi-level planning of active distribution networks considering network transfer capability and dispersed energy storage systems. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	12
8	Dynamic VAR planning methodology to enhance transient voltage stability for failure recovery. Journal of Modern Power Systems and Clean Energy, 2018, 6, 712-721.	5.4	8
9	Bi-Objective Reactive Power Reserve Optimization to Coordinate Long- and Short-Term Voltage Stability. IEEE Access, 2018, 6, 13057-13065.	4.2	15
10	Fast Transmission Network Expansion Planning Considering the N-2 Security Criterion. , 2018, , .		2
11	Research on Generation and Transmission Expansion Planning with Large-scale Wind Farms Integration. , 2018, , .		2
12	Joint Planning of BESS and DR for industrial consumers participating in peak-shaving. , 2018, , .		1
13	Self-Recovery Capability of Power System and Its Application in Active Power Optimal Scheduling. , 2018, , .		3
14	Stochastic Optimal Transmission Switching Considering N-1 Security Constraints. , 2018, , .		5
15	A Novel Comprehensive Economic Evaluation Method of Ultra High Voltage Transmission Network. , 2018, , .		0
16	Research on Medium-Long Term Power Load Forecasting Method Based on Load Decomposition and Big Data Technology. , 2018, , .		5
17	N-K Constrained Composite Generation and Transmission Expansion Planning With Interval Load. IEEE Access, 2017, 5, 2779-2789.	4.2	34
18	A novel dynamic reactive power planning methodology to enhance transient voltage stability. International Transactions on Electrical Energy Systems, 2017, 27, e2390.	1.9	10

#	ARTICLE	IF	CITATIONS
19	An Optimal N-1 Secure Operation Mode for Medium-voltage Loop Distribution Networks Considering Load Supply Capability and Security Distance. <i>Electric Power Components and Systems</i> , 2017, 45, 1393-1403.	1.8	17
20	Coupled stochastic and robust transmission expansion planning. , 2017, , .		3
21	Integrated modeling and planning of district multi-carrier energy systems. , 2017, , .		5
22	A two-stage robust optimization for coordinated planning of generation and energy storage systems. , 2017, , .		3
23	An N-k Analytic Method of Composite Generation and Transmission with Interval Load. <i>Energies</i> , 2017, 10, 168.	3.1	8
24	Multi-scenario generation and transmission expansion planning considering load spatial distribution. , 2016, , .		3
25	Composite generation and transmission expansion planning with second order conic relaxation of AC power flow. , 2016, , .		4
26	Optimal distributed generation placement and size under uncertainties and contingencies in active distribution networks. , 2016, , .		1
27	Voltage Stability Assessment with Multi-infeed High-voltage DC Based on Voltage/Power Characteristics of Dynamic Reactive Power Sources. <i>Electric Power Components and Systems</i> , 2016, 44, 903-915.	1.8	2
28	Interval optimal reactive power reserve dispatch considering generator rescheduling. <i>IET Generation, Transmission and Distribution</i> , 2016, 10, 1833-1841.	2.5	12
29	A Modified Nataf Transformation-based Extended Quasi-Monte Carlo Simulation Method for Solving Probabilistic Load Flow. <i>Electric Power Components and Systems</i> , 2016, 44, 1735-1744.	1.8	8
30	Coordinated planning of Distributed Energy Resources and microgrid network. , 2016, , .		2
31	An Optimal Reactive Power Control Strategy for UHVAC/DC Hybrid System in East China Grid. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 392-399.	9.0	23
32	An estimation method of wind energy curtailment considering wind generator tripping in frequency adjustment level. <i>International Transactions on Electrical Energy Systems</i> , 2016, 26, 1427-1443.	1.9	1
33	Research on probabilistic load flow method based on point estimation and dimension reduction by dominated variables. , 2015, , .		0
34	Reactive power optimization and control considering penetration reactive power for ultra-high voltage power system. , 2015, , .		3
35	Optimal configuration of battery energy storage system for peak-load regulation. , 2015, , .		3
36	Study of the reactive power control for a real UHVAC power transmission project. <i>International Transactions on Electrical Energy Systems</i> , 2015, 25, 1223-1240.	1.9	0

#	ARTICLE	IF	CITATIONS
37	Optimal siting and sizing of intermittent distributed generators in distribution system. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, 628-635.	1.4	17
38	A probabilistic load flow method based on modified Nataf transformation and quasi Monte Carlo simulation. , 2015, , .		3
39	A new type of MW and MVar dispatch index for meeting voltage stability margin criteria based on normal vector of limit surface. , 2015, , .		2
40	Second-Order Cone model for Active Distribution Network Expansion Planning. , 2015, , .		1
41	A method to improve reactive reserve management with respect to voltage stability. , 2015, , .		0
42	Demand response and wind farm integrated economic dispatch in power system. , 2015, , .		0
43	An improved voltage stability assessment for power system with HVDC. , 2015, , .		0
44	A novel wind power equivalent method based on clustering of multivariable panel data. , 2014, , .		0
45	A novel point estimate method for probabilistic power flow considering correlated nodal power. , 2014, , .		9
46	Stochastic optimal reactive power dispatch method based on point estimation considering load margin. , 2014, , .		5
47	Probabilistic Evaluation of Available Load Supply Capability for Distribution System. IEEE Transactions on Power Systems, 2013, 28, 3215-3225.	6.5	86
48	Indicator system of distribution network planning evaluation with consideration of life cycle cost. , 2011, , .		1
49	Optimal load curtailment using multi-objective fuzzy linear programming method. European Transactions on Electrical Power, 2010, 20, 1025-1039.	1.0	1
50	Life Cycle Cost estimate of power system planning. , 2010, , .		7
51	Impacts of an UHVDC Transmission Link on Operation Security and Stability of East China Power Grid. , 2010, , .		2
52	Distribution Network Planning Considering Distributed Generation by Genetic Algorithm Combined with Graph Theory. Electric Power Components and Systems, 2010, 38, 325-339.	1.8	23
53	Investigation on Limit Surfaces in Space Spanned by Generation Parameter. IEEE Transactions on Power Systems, 2010, 25, 1309-1318.	6.5	5
54	An Iterative LMP Calculation Method Considering Loss Distributions. IEEE Transactions on Power Systems, 2010, 25, 1469-1477.	6.5	57

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55	A new game theory-based solution methodology for generation maintenance strategy. European Transactions on Electrical Power, 2009, 19, 225-239.	1.0	14
56	Transmission network optimal planning based on plant growth simulation algorithm. European Transactions on Electrical Power, 2009, 19, 291-301.	1.0	14
57	Transmission network expansion planning with security constraints based on bi-level linear programming. European Transactions on Electrical Power, 2009, 19, 388-399.	1.0	15
58	A Bi-Level Programming Model for Multistage Transmission Network Expansion Planning in Competitive Electricity Market. , 2009, , .		8
59	Random Spanning Tree Based Improved GA for Distribution Reconfiguration. , 2009, , .		2
60	Flexible transmission network planning using the connection number. European Transactions on Electrical Power, 2008, 18, 313-325.	1.0	4
61	The Interval Minimum Load Cutting Problem in the Process of Transmission Network Expansion Planning Considering Uncertainty in Demand. IEEE Transactions on Power Systems, 2008, 23, 1497-1506.	6.5	50
62	Multiobjective planning of open-loop mv distribution networks using ComGIS network analysis and MOGA. , 2008, , .		1
63	Quantitative assessment of active management of distribution network with distributed generation. , 2008, , .		2
64	Research of TOU power price based on multi-objective optimization of DSM and costs of power consumers. , 2004, , .		7
65	The third-order induction motor parameter estimation using an adaptive genetic algorithm. , 0, , .		8