

Zhengshuo Li

List of Publications by Year in descending order

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docs citations

75
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Centralized and Peer-to-Peer Decentralized Market Designs for Community Markets. IEEE Transactions on Industry Applications, 2022, 58, 67-77.	4.9	11
2	A Newton-Raphson-Based Sequential Power Flow Algorithm for Hybrid AC/DC Microgrids. IEEE Transactions on Industry Applications, 2022, 58, 843-854.	4.9	10
3	Data-Driven-Aided Linear Three-Phase Power Flow Model for Distribution Power Systems. IEEE Transactions on Power Systems, 2022, 37, 2783-2795.	6.5	16
4	Fast Var Margin Evaluation of High Wind Penetration Power Systems: An Objective-Oriented Dimensionality Reduction Approximation Approach. IEEE Transactions on Sustainable Energy, 2022, 13, 1722-1733.	8.8	5
5	A Critical Region Search Based Distributed Coordination Algorithm for Integrated Electric and District Heating System Dispatch. , 2022, , .		0
6	Robust Data-Driven Linear Power Flow Model With Probability Constrained Worst-Case Errors. IEEE Transactions on Power Systems, 2022, 37, 4113-4116.	6.5	6
7	Fully Distributed Robust Reserve Scheduling for Coupled Transmission and Distribution Systems. IEEE Transactions on Power Systems, 2021, 36, 169-182.	6.5	46
8	Distributed Distributionally Robust Dispatch for Integrated Transmission-Distribution Systems. IEEE Transactions on Power Systems, 2021, 36, 1193-1205.	6.5	54
9	State-of-the-art short-term electricity market operation with solar generation: A review. Renewable and Sustainable Energy Reviews, 2021, 138, 110647.	16.4	22
10	A Benders Decomposition Based Algorithm for Steady-State Dispatch Problem in an Integrated Electricity-Gas System. IEEE Transactions on Power Systems, 2021, 36, 3817-3820.	6.5	20
11	Data Center Aggregators's™ Optimal Bidding and Benefit Allocation Strategy Considering the Spatiotemporal Transfer Characteristics. IEEE Transactions on Industry Applications, 2021, 57, 4486-4499.	4.9	16
12	Study on leveraging wind farms' robust reactive power range for uncertain power system reactive power optimization. Applied Energy, 2021, 298, 117130.	10.1	14
13	Enhanced Sufficient Battery Model for Aggregate Flexibility of Thermostatically Controlled Loads Considering Coupling Constraints. IEEE Transactions on Sustainable Energy, 2021, 12, 2493-2496.	8.8	11
14	Uncertainty Evaluation Algorithm in Power System Dynamic Analysis With Correlated Renewable Energy Sources. IEEE Transactions on Power Systems, 2021, 36, 5602-5611.	6.5	25
15	Distribution-Free Probability Density Forecast Through Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 612-625.	11.3	26
16	Interval State Estimation With Uncertainty of Distributed Generation and Line Parameters in Unbalanced Distribution Systems. IEEE Transactions on Power Systems, 2020, 35, 762-772.	6.5	46
17	Coordinated Dispatch of Integrated Electric and District Heating Systems Using Heterogeneous Decomposition. IEEE Transactions on Sustainable Energy, 2020, 11, 1495-1507.	8.8	39
18	A framework of utilizing distribution power systems as reactive power prosumers for transmission power systems. International Journal of Electrical Power and Energy Systems, 2020, 121, 106139.	5.5	12

#	ARTICLE	IF	CITATIONS
19	Deep Reinforcement Learning Based Optimal Schedule for a Battery Swapping Station Considering Uncertainties. IEEE Transactions on Industry Applications, 2020, 56, 5775-5784.	4.9	44
20	Two-stage chance-constrained unit commitment based on optimal wind power consumption point considering battery energy storage. IET Generation, Transmission and Distribution, 2020, 14, 3738-3749.	2.5	10
21	Probabilistic Dynamic Analysis Method of Power System with Renewable Energy based on Probabilistic Collocation Method. , 2020, , .		0
22	Comparison of Community-Market Designs: Centralized and Peer-to-peer Trading. , 2020, , .		2
23	A Modified Newton-Raphson Method for Hybrid AC/DC Microgrids Power Flow Analysis. , 2020, , .		2
24	Effect of Power to Gas on Integrated Electricity-Gas System with Uncertain Wind Generation. , 2020, , .		3
25	Study on Exploiting Thermostatically Controlled Loads to Reduce Wind Power Curtailment. , 2020, , .		0
26	A water mass method and its application to integrated heat and electricity dispatch considering thermal inertias. Energy, 2019, 181, 840-852.	8.8	33
27	Dynamic Stability Assessment for Integrated Transmission-Distribution System Considering Distributed Energy Resources. , 2019, , .		3
28	Evaluating and Increasing the Renewable Energy Share of Customers'™ Electricity Consumption. IEEE Access, 2019, 7, 129200-129214.	4.2	17
29	Robust Estimation of Reactive Power for an Active Distribution System. IEEE Transactions on Power Systems, 2019, 34, 3395-3407.	6.5	23
30	Generalized Locational Marginal Pricing in a Heat-and-Electricity-Integrated Market. IEEE Transactions on Smart Grid, 2019, 10, 6414-6425.	9.0	40
31	Uncertainty Modeling of Distributed Energy Resources: Techniques and Challenges. Current Sustainable/Renewable Energy Reports, 2019, 6, 42-51.	2.6	47
32	Review of Challenges and Research Opportunities for Voltage Control in Smart Grids. IEEE Transactions on Power Systems, 2019, 34, 2790-2801.	6.5	270
33	Decentralized Chance-Constrained Economic Dispatch for Integrated Transmission-District Energy Systems. IEEE Transactions on Smart Grid, 2019, 10, 6724-6734.	9.0	22
34	Generalized Master-Slave-Splitting Method and Application to Transmission-Distribution Coordinated Energy Management. IEEE Transactions on Power Systems, 2019, 34, 5169-5183.	6.5	46
35	Coordination on Industrial Load Control and Climate Control in Manufacturing Industry Under TOU Prices. IEEE Transactions on Smart Grid, 2019, 10, 139-152.	9.0	23
36	Optimal Distributed Control for Secondary Frequency and Voltage Regulation in an Islanded Microgrid. IEEE Transactions on Industrial Informatics, 2019, 15, 225-235.	11.3	144

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37	A Novel Generation Rescheduling Algorithm to Improve Power System Reliability With High Renewable Energy Penetration. IEEE Transactions on Power Systems, 2018, 33, 3349-3357.	6.5	51
38	A Distributed Transmission-Distribution-Coupled Static Voltage Stability Assessment Method Considering Distributed Generation. IEEE Transactions on Power Systems, 2018, 33, 2621-2632.	6.5	62
39	A Distributionally Robust Optimization Model for Unit Commitment Based on Kullback-Leibler Divergence. IEEE Transactions on Power Systems, 2018, 33, 5147-5160.	6.5	122
40	Coordinated Transmission and Distribution AC Optimal Power Flow. IEEE Transactions on Smart Grid, 2018, 9, 1228-1240.	9.0	147
41	A New LMP-Sensitivity-Based Heterogeneous Decomposition for Transmission and Distribution Coordinated Economic Dispatch. IEEE Transactions on Smart Grid, 2018, 9, 931-941.	9.0	76
42	Extended sufficient conditions for exact relaxation of the complementarity constraints in storage-concerned economic dispatch. CSEE Journal of Power and Energy Systems, 2018, 4, 504-512.	1.1	16
43	A two-stage reactive power optimization in transmission network incorporating reserves from voltage-dependent loads. Energy, 2018, 157, 752-763.	8.8	8
44	Cooperative Economic Scheduling for Multiple Energy Hubs: A Bargaining Game Theoretic Perspective. IEEE Access, 2018, 6, 27777-27789.	4.2	99
45	Distributed Transmission-Distribution Coordinated Energy Management Based on Generalized Master-Slave Splitting Theory. Springer Theses, 2018, , .	0.1	10
46	Distributed Transmission-Distribution Coordinated Economic Dispatch. Springer Theses, 2018, , 107-135.	0.1	0
47	Impact of Coupled Transmission-Distribution on Static Voltage Stability Assessment. IEEE Transactions on Power Systems, 2017, 32, 3311-3312.	6.5	30
48	A robust aggregate model and the two-stage solution method to incorporate energy intensive enterprises in power system unit commitment. Applied Energy, 2017, 206, 1364-1378.	10.1	27
49	Coordinated transmission and distribution AC optimal power flow. , 2017, , .		4
50	Coordinated economic dispatch of coupled transmission and distribution systems using heterogeneous decomposition. , 2017, , .		3
51	A new LMP-sensitivity-based heterogeneous decomposition for transmission and distribution coordinated economic dispatch. , 2017, , .		7
52	Equivalencing-based method for incorporating distributed energy resources in transmission system economic dispatch. Journal of Engineering, 2017, 2017, 1029-1034.	1.1	1
53	ADMM-based decentralized demand response method in electric vehicle virtual power plant. , 2016, , .		5
54	Power system multi-day stochastic scheduling considering the uncertainty of CSP/wind plants. , 2016, , .		1

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55	Sufficient Conditions for Exact Relaxation of Complementarity Constraints for Storage-Concerned Economic Dispatch. IEEE Transactions on Power Systems, 2016, 31, 1653-1654.	6.5	86
56	Transmission Contingency Screening Considering Impacts of Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 1659-1660.	6.5	20
57	Coordinated Economic Dispatch of Coupled Transmission and Distribution Systems Using Heterogeneous Decomposition. IEEE Transactions on Power Systems, 2016, 31, 4817-4830.	6.5	149
58	Robust voltage control model for active distribution network considering PVs and loads uncertainties. , 2015, , .		3
59	Voltage security analysis with high PVs penetration considering the interaction of transmission and distribution grids: Case studies. , 2015, , .		2
60	Transmission Contingency Analysis Based on Integrated Transmission and Distribution Power Flow in Smart Grid. IEEE Transactions on Power Systems, 2015, 30, 3356-3367.	6.5	70
61	Storage-like devices in load leveling: Complementarity constraints and a new and exact relaxation method. Applied Energy, 2015, 151, 13-22.	10.1	49
62	Ultra-short-term load forecasting using robust exponentially weighted method in distribution networks. , 2015, , .		4
63	PMU Uncertainty Quantification in Voltage Stability Analysis. IEEE Transactions on Power Systems, 2015, 30, 2196-2197.	6.5	23
64	Master-Slave-Splitting Based Distributed Global Power Flow Method for Integrated Transmission and Distribution Analysis. IEEE Transactions on Smart Grid, 2015, 6, 1484-1492.	9.0	191
65	A decentralized optimization method to track electric vehicle aggregator's optimal charging plan. , 2014, , .		6
66	A V2G prototype system: Design, field test and discussion. , 2014, , .		0
67	A New Real-Time Smart-Charging Method Considering Expected Electric Vehicle Fleet Connections. IEEE Transactions on Power Systems, 2014, 29, 3114-3115.	6.5	48
68	Rapid-Charging Navigation of Electric Vehicles Based on Real-Time Power Systems and Traffic Data. IEEE Transactions on Smart Grid, 2014, 5, 1969-1979.	9.0	146
69	Emission-Concerned Wind-EV Coordination on the Transmission Grid Side With Network Constraints: Concept and Case Study. IEEE Transactions on Smart Grid, 2013, 4, 1692-1704.	9.0	75
70	A hybrid simulation method for EVs' operation considering power grid and traffic information. , 2013, , .		2
71	Factor Analysis of the Aggregated Electric Vehicle Load Based on Data Mining. Energies, 2012, 5, 2053-2070.	3.1	28
72	Current energy management technologies research in China considering EVs integration. , 2012, , .		2

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73	GPF-based method for evaluating EVs' free charging impacts in distribution system. , 2012, , .		0
74	Study on wind-EV complementation in transmission grid side. , 2011, , .		37
75	Research on architecture of ITS based Smart Charging Guide System. , 2011, , .		16