

# Jingrui Zhang

## List of Publications by Year in descending order

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34  
papers

904  
citations

623734

14  
h-index

610901

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g-index

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34  
docs citations

34  
times ranked

852  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid harmony search algorithm with differential evolution for day-ahead scheduling problem of a microgrid with consideration of power flow constraints. <i>Applied Energy</i> , 2016, 183, 791-804.	10.1	136
2	Flow boiling enhancement of structured microchannels with micro pin fins. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 338-349.	4.8	115
3	Small Population-Based Particle Swarm Optimization for Short-Term Hydrothermal Scheduling. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 142-152.	6.5	107
4	A modified MOEA/D approach to the solution of multi-objective optimal power flow problem. <i>Applied Soft Computing Journal</i> , 2016, 47, 494-514.	7.2	107
5	An improved NSGA-III integrating adaptive elimination strategy to solution of many-objective optimal power flow problems. <i>Energy</i> , 2019, 172, 945-957.	8.8	82
6	A modified chaotic differential evolution algorithm for short-term optimal hydrothermal scheduling. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 65, 159-168.	5.5	57
7	A small-population based parallel differential evolution algorithm for short-term hydrothermal scheduling problem considering power flow constraints. <i>Energy</i> , 2017, 123, 538-554.	8.8	41
8	A hybrid particle swarm optimization with small population size to solve the optimal short-term hydro-thermal unit commitment problem. <i>Energy</i> , 2016, 109, 765-780.	8.8	39
9	Distributed Robust Control Strategy of Grid-Connected Inverters for Energy Storage Systems's State-of-Charge Balancing. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 5907-5917.	9.0	35
10	MOEA/D with many-stage dynamical resource allocation strategy to solution of many-objective OPF problems. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 120, 106050.	5.5	24
11	Within-day rolling optimal scheduling problem for active distribution networks by multi-objective evolutionary algorithm based on decomposition integrating with thought of simulated annealing. <i>Energy</i> , 2021, 223, 120027.	8.8	20
12	Improved MOEA/D approach to many-objective day-ahead scheduling with consideration of adjustable outputs of renewable units and load reduction in active distribution networks. <i>Energy</i> , 2020, 210, 118524.	8.8	19
13	Real-Time Compressive Sensing Based Control Strategy for a Multi-Area Power System. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 4293-4302.	9.0	17
14	Three-level day-ahead optimal scheduling framework considering multi-stakeholders in active distribution networks: Up-to-down approach. <i>Energy</i> , 2021, 219, 119655.	8.8	17
15	A Distributed Robust Power System State Estimation Approach Using $\sigma$ -Distribution Noise Model. <i>IEEE Systems Journal</i> , 2021, 15, 1066-1076.	4.6	14
16	A Distributed Maximum-Likelihood-Based State Estimation Approach for Power Systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	12
17	Multi-energy microgrid robust energy management with a novel decision-making strategy. <i>Energy</i> , 2022, 239, 121840.	8.8	12
18	Parametric Study on Flow Boiling Characteristics in $\Omega$ -Shaped Re-Entrant Porous Microchannels With Structured Surface. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015, 5, 1108-1121.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Three-layer day-ahead scheduling for active distribution network by considering multiple stakeholders. Energy, 2020, 207, 118263.	8.8	9
20	MPI based PSO algorithm for the optimization problem in micro-grid energy management system. , 2017, , .		8
21	Improvement of model predictive control for single-phase inverters by using sinusoidal signal observers. IET Power Electronics, 2020, 13, 3841-3850.	2.1	4
22	Simulating Spiking Neural P Systems with Circuits. Journal of Computational and Theoretical Nanoscience, 2015, 12, 2023-2026.	0.4	3
23	Short-term optimal hydrothermal scheduling with power flow constraint. , 2015, , .		3
24	Energy Management for a Microgrid With Different Charging and Discharging Priorities of Batteries Using Modified Grey Wolf Optimizer. , 2019, , .		3
25	Instantaneous harmonic detection based on composite observer for distort grid with DC bias and variable frequency. International Journal of Electrical Power and Energy Systems, 2022, 138, 107932.	5.5	3
26	The implementation of micro-grid economic dispatch based on particle swarm optimization. , 2015, , .		2
27	An Improved NSGA-III Approach to Many-Objective Optimal Power Flow Problems. , 2018, , .		2
28	Short-term optimal hydrothermal scheduling problem considering power flow constraint. , 2015, , .		1
29	Within-day Rolling Optimization of Active Distribution Network with Wind and Photovoltaic Distributed Generation. , 2019, , .		1
30	An Improved Differential Evolution Approach for Short-term Hydrothermal Scheduling. Journal of Information and Computational Science, 2015, 12, 1817-1829.	0.1	1
31	SHORT-TERM HYDROTHERMAL SCHEDULING CONSIDERING VALVE POINT EFFECT USING ACCELERATION-BASED PSO ALGORITHM. International Journal of Power and Energy Systems, 2013, 33, .	0.2	1
32	Modeling for Cascaded Reservoirs Scheduling Considering Policy Factors. , 2009, , .		0
33	Many-objective power flow optimization problems based on an improved MOEA/D with dynamical resource allocation strategy. , 2019, , .		0
34	DE algorithm based double-layer frame of power flow calculation for loop distribution networks. , 2019, , .		0