

# Yong Min

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

1,602  
citations

331670

21  
h-index

315739

38  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1254  
citing authors

#	ARTICLE	IF	CITATIONS
1	An energy-based method for location of power system oscillation source. IEEE Transactions on Power Systems, 2013, 28, 828-836.	6.5	194
2	Raw Wind Data Preprocessing: A Data-Mining Approach. IEEE Transactions on Sustainable Energy, 2015, 6, 11-19.	8.8	112
3	Dispatch Model for CHP With Pipeline and Building Thermal Energy Storage Considering Heat Transfer Process. IEEE Transactions on Sustainable Energy, 2019, 10, 192-203.	8.8	110
4	Dispatch Model of Combined Heat and Power Plant Considering Heat Transfer Process. IEEE Transactions on Sustainable Energy, 2017, 8, 1225-1236.	8.8	80
5	Oscillation Energy Analysis of Inter-Area Low-Frequency Oscillations in Power Systems. IEEE Transactions on Power Systems, 2016, 31, 1195-1203.	6.5	73
6	Integrated Power and Heat Dispatch Considering Available Reserve of Combined Heat and Power Units. IEEE Transactions on Sustainable Energy, 2019, 10, 1300-1310.	8.8	62
7	A General Model for Thermal Energy Storage in Combined Heat and Power Dispatch Considering Heat Transfer Constraints. IEEE Transactions on Sustainable Energy, 2018, 9, 1518-1528.	8.8	55
8	Evaluation of Generator Damping Using Oscillation Energy Dissipation and the Connection With Modal Analysis. IEEE Transactions on Power Systems, 2014, 29, 1393-1402.	6.5	52
9	A Heat Current Model for Heat Transfer/Storage Systems and Its Application in Integrated Analysis and Optimization With Power Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 175-184.	8.8	49
10	Integrated Dispatch Model for Combined Heat and Power Plant With Phase-Change Thermal Energy Storage Considering Heat Transfer Process. IEEE Transactions on Sustainable Energy, 2018, 9, 1234-1243.	8.8	48
11	Optimization of Governor Parameters to Prevent Frequency Oscillations in Power Systems. IEEE Transactions on Power Systems, 2018, 33, 4466-4474.	6.5	47
12	Analysis on Applicability Problems of the Aggregation-Based Representation of Wind Farms Considering DFIGs's LVRT Behaviors. IEEE Transactions on Power Systems, 2016, 31, 4953-4965.	6.5	44
13	Phase-change heat storage installation in combined heat and power plants for integration of renewable energy sources into power system. Energy, 2017, 124, 640-651.	8.8	44
14	Optimal energy storage system allocation and operation for improving wind power penetration. IET Generation, Transmission and Distribution, 2015, 9, 2672-2678.	2.5	40
15	Wind power forecasting errors modelling approach considering temporal and spatial dependence. Journal of Modern Power Systems and Clean Energy, 2017, 5, 489-498.	5.4	40
16	A Continuation-Based Method to Compute the Relevant Unstable Equilibrium Points for Power System Transient Stability Analysis. IEEE Transactions on Power Systems, 2009, 24, 165-172.	6.5	32
17	A Strictly Sufficient Stability Criterion for Grid-Connected Converters Based on Impedance Models and Gershgorin's Theorem. IEEE Transactions on Power Delivery, 2020, 35, 1606-1609.	4.3	32
18	Study of operation strategies for integrating ice-storage district cooling systems into power dispatch for large-scale hydropower utilization. Applied Energy, 2020, 261, 114477.	10.1	27

#	ARTICLE	IF	CITATIONS
19	Novel Temporary Frequency Support Control Strategy of Wind Turbine Generator Considering Coordination With Synchronous Generator. IEEE Transactions on Sustainable Energy, 2022, 13, 1011-1020.	8.8	25
20	Modelling and investigating the impact of asynchronous inertia of induction motor on power system frequency response. International Journal of Electrical Power and Energy Systems, 2020, 117, 105708.	5.5	24
21	A transient energy function for power systems including the induction motor model. Science in China Series D: Earth Sciences, 2007, 50, 575-584.	0.9	21
22	Transient Stability of Wind Turbine Adopting a Generic Model of DFIG and Singularity-Induced Instability of Generators/Units With Powerâ€™Electronic Interface. IEEE Transactions on Energy Conversion, 2015, 30, 1069-1080.	5.2	21
23	Deep belief network based nonlinear representation learning for transient stability assessment. , 2017, , .		20
24	The disturbance source identification of forced power oscillation caused by continuous cyclical load. , 2011, , .		18
25	Active and Passive Thermal Energy Storage in Combined Heat and Power Plants to Promote Wind Power Accommodation. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	18
26	Online emergency control to suppress frequency oscillations based on damping evaluation using dissipation energy flow. International Journal of Electrical Power and Energy Systems, 2018, 103, 414-420.	5.5	18
27	Adaptive robust polynomial regression for power curve modeling with application to wind power forecasting. Wind Energy, 2016, 19, 2321-2336.	4.2	17
28	Modelling of wind power forecasting errors based on kernel recursive least-squares method. Journal of Modern Power Systems and Clean Energy, 2017, 5, 735-745.	5.4	17
29	Stability mechanism and emergency control of power system with wind power integration. IET Renewable Power Generation, 2017, 11, 3-9.	3.1	17
30	Limit Induced Bifurcation of Grid-Connected VSC Caused by Current Limit. IEEE Transactions on Power Systems, 2021, 36, 2717-2720.	6.5	16
31	Stability Assessment of Grid-Connected Converter System Based on Impedance Model and Gershgorin Theorem. IEEE Transactions on Energy Conversion, 2020, 35, 1559-1566.	5.2	14
32	Evaluation of damping of windings in a generator using oscillation energy dissipation. , 2014, , .		13
33	Dispatch framework of power system with heat storage facilities in combined heat and power plants for wind power accommodation. IET Renewable Power Generation, 2020, 14, 335-343.	3.1	13
34	Wind power uncertainty modeling considering spatial dependence based on Pair-copula theory. , 2014, , .		12
35	Modeling and Optimization of Multitype Power Sources Stochastic Unit Commitment Using Interval Number Programming. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	12
36	A semi-supervised anomaly detection method for wind farm power data preprocessing. , 2017, , .		10

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37	Component damping evaluation in subâ€synchronous oscillation based on transient energy flow method. IET Generation, Transmission and Distribution, 2020, 14, 460-469.	2.5	10
38	Integrated Coordinated Optimization Control of Automatic Generation Control and Automatic Voltage Control in Regional Power Grids. Energies, 2012, 5, 3817-3834.	3.1	9
39	Study on the mechanism of transient voltage stability of wind power with power electronic interface. , 2015, , .		9
40	Online monitoring of generator damping using dissipation energy flow computed from ambient data. IET Generation, Transmission and Distribution, 2017, 11, 4430-4435.	2.5	9
41	A Novel Method to Monitor and Predict Voltage Collapse: The Critical Transitions Approach. IEEE Transactions on Power Systems, 2018, 33, 1184-1194.	6.5	9
42	Dynamic monitoring and control system based on synchronized phasor measurement in Heilongjian Eastern Power System. , 0, , .		8
43	The Credible Regions on the Approximate Stability Boundaries of Nonlinear Dynamic Systems. IEEE Transactions on Automatic Control, 2007, 52, 1486-1491.	5.7	8
44	Reducedâ€order model for computing frequency oscillation mode of power systems. IET Generation, Transmission and Distribution, 2018, 12, 2799-2803.	2.5	7
45	Discussions on the real potential of district heating networks in improving wind power accommodation with temperature feedback as one consideration. Energy Conversion and Management, 2021, 250, 114907.	9.2	7
46	A new method for generation shedding and load shedding in power system emergency control. , 2004, , .		6
47	Phasor measurement applications in China. , 0, , .		5
48	A novel dynamic equivalence method for grid-connected wind farm. Journal of Zhejiang University: Science A, 2008, 9, 558-563.	2.4	5
49	Research on a Hierarchical Dynamic Automatic Voltage Control System Based on the Discrete Event-Driven Method. Energies, 2013, 6, 2949-2965.	3.1	5
50	Analysis of power system frequency oscillations with intentional governor deadbands using describing functions. International Journal of Electrical Power and Energy Systems, 2019, 111, 390-397.	5.5	5
51	Hierarchical dispatch method for integrated heat and power systems considering the heat transfer process. Renewable and Sustainable Energy Reviews, 2021, 135, 110412.	16.4	5
52	On-Line Steady State Security Assessment of Power Systems by SMES. IEEE Transactions on Applied Superconductivity, 2005, 15, 1923-1926.	1.7	4
53	Optimal Reactive Power Flow in Wind Generation Integrated Power System. , 2006, , .		4
54	Limit cycle in the ultra-low-frequency oscillation of islanded power systems. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
55	New method for computing unstable equilibrium points of power systems with induction motors. Science China Technological Sciences, 2010, 53, 881-885.	4.0	3
56	Fuzzy logic based coordinated controller for wind/battery/IDSMS hybrid micro-grid power system. , 2010, , .		3
57	Modeling based on work timing and numerical sense of power hardware-in-the-loop simulation. , 2011, , .		3
58	Study on cascading trip-off failure of large-scale wind farm in China. , 2015, , .		3
59	A novel stability classifier based on reformed support vector machines for online stability assessment. , 2015, , .		3
60	Active splitting strategy searching approach based on MISOCP with consideration of power island stability. Journal of Modern Power Systems and Clean Energy, 2019, 7, 475-490.	5.4	3
61	Renewable Energy Utilization and Energy Conservation in Thermal and Power Systems for China's Sustainable Energy Future. Journal of Energy Engineering - ASCE, 2019, 145, .	1.9	3
62	Wide-area coordinated control of large scale Energy Storage System. , 2012, , .		2
63	Risk-constrained coordinative dispatching for battery energy storage systems of wind farms. , 2013, , .		2
64	Voltage stability analysis for the receiving-end grid of UHV-DC transmission system. , 2015, , .		2
65	Evaluation of VSC-HVDC Damping Characteristics Using Transient Energy Flow. , 2018, , .		2
66	A New Method of Computing the Controlling Unstable Equilibrium Point of the Post-Fault Power System. , 2006, , .		1
67	Limit Induced Bifurcation Caused by SVC Capacity Limit. , 2007, , .		1
68	Equivalence of Three Quadratic Approximation Methods of Stability Boundaries of Nonlinear Dynamic Systems. IEEE Transactions on Automatic Control, 2010, 55, 1258-1262.	5.7	1
69	Analysis and control of stochastic power fluctuations on the tie-line of interconnected power systems. , 2013, , .		1
70	MILP-based splitting strategy searching considering island connectivity and voltage stability margin. , 2016, , .		1
71	Impedance Shaping of Grid-Connected Converter Based on Gershgorin Disc Theorem and Return Ratio Matrix. , 2021, , .		1
72	A hierarchical dispatch method for tri-level integrated thermal and power systems. International Journal of Electrical Power and Energy Systems, 2021, 133, 107284.	5.5	1

#	ARTICLE	IF	CITATIONS
73	On-line Voltage Security Assessment of the Beijing power system. , 2008, , .		0
74	Outlier detection based on improved SOM and its application in power system. , 2013, , .		0
75	Multi-timescale modeling of battery energy storage system and its application in wind power balance. , 2013, , .		0
76	Optimal calculation path-finding based power system state calculation and bad data identification. , 2014, , .		0
77	Operation pattern recognition via Mass data in bulk transmission grid. , 2017, , .		0
78	Comparison of Fuel-saving Effect Between Heat Accumulator and Electric Boiler Used for Wind Power Accommodation in CHP Plant. , 2020, , .		0
79	Multi-criterion integrated method for low-frequency oscillation-type identification. Journal of Engineering, 2018, 2018, 1935-1939.	1.1	0
80	Positive-Net-Damping Stability Criterion in Subsynchronous Oscillation. , 2020, , .		0