

Yong Min

List of Publications by Year in descending order

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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	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
2	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
3	Impedance Shaping of Grid-Connected Converter Based on Gershgorin Disc Theorem and Return Ratio Matrix. , 2021, , .		1
4	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
5	Limit Induced Bifurcation of Grid-Connected VSC Caused by Current Limit. IEEE Transactions on Power Systems, 2021, 36, 2717-2720.	6.5	16
6	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
7	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
8	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
9	Comparison of Fuel-saving Effect Between Heat Accumulator and Electric Boiler Used for Wind Power Accommodation in CHP Plant. , 2020, , .		0
10	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
11	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
12	Component damping evaluation in sub-synchronous oscillation based on transient energy flow method. IET Generation, Transmission and Distribution, 2020, 14, 460-469.	2.5	10
13	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
14	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
15	Positive-Net-Damping Stability Criterion in Subsynchronous Oscillation. , 2020, , .		0
16	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
17	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
18	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

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19	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
20	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
21	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
22	Optimization of Governor Parameters to Prevent Frequency Oscillations in Power Systems. IEEE Transactions on Power Systems, 2018, 33, 4466-4474.	6.5	47
23	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
24	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
25	Evaluation of VSC-HVDC Damping Characteristics Using Transient Energy Flow. , 2018, , .		2
26	Reduced-order model for computing frequency oscillation mode of power systems. IET Generation, Transmission and Distribution, 2018, 12, 2799-2803.	2.5	7
27	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
28	Multi-criterion integrated method for low-frequency oscillation-type identification. Journal of Engineering, 2018, 2018, 1935-1939.	1.1	0
29	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
30	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
31	Dispatch Model of Combined Heat and Power Plant Considering Heat Transfer Process. IEEE Transactions on Sustainable Energy, 2017, 8, 1225-1236.	8.8	80
32	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
33	Modeling and Optimization of Multitype Power Sources Stochastic Unit Commitment Using Interval Number Programming. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	12
34	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
35	Stability mechanism and emergency control of power system with wind power integration. IET Renewable Power Generation, 2017, 11, 3-9.	3.1	17
36	Deep belief network based nonlinear representation learning for transient stability assessment. , 2017, , .		20

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37	Operation pattern recognition via Mass data in bulk transmission grid. , 2017, , .		0
38	A semi-supervised anomaly detection method for wind farm power data preprocessing. , 2017, , .		10
39	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
40	Limit cycle in the ultra-low-frequency oscillation of islanded power systems. , 2017, , .		4
41	Adaptive robust polynomial regression for power curve modeling with application to wind power forecasting. Wind Energy, 2016, 19, 2321-2336.	4.2	17
42	MILP-based splitting strategy searching considering island connectivity and voltage stability margin. , 2016, , .		1
43	Oscillation Energy Analysis of Inter-Area Low-Frequency Oscillations in Power Systems. IEEE Transactions on Power Systems, 2016, 31, 1195-1203.	6.5	73
44	Analysis on Applicability Problems of the Aggregation-Based Representation of Wind Farms Considering DFIGsâ€™ LVRT Behaviors. IEEE Transactions on Power Systems, 2016, 31, 4953-4965.	6.5	44
45	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
46	Voltage stability analysis for the receiving-end grid of UHV-DC transmission system. , 2015, , .		2
47	Study on the mechanism of transient voltage stability of wind power with power electronic interface. , 2015, , .		9
48	Study on cascading trip-off failure of large-scale wind farm in China. , 2015, , .		3
49	A novel stability classifier based on reformed support vector machines for online stability assessment. , 2015, , .		3
50	Optimal energy storage system allocation and operation for improving wind power penetration. IET Generation, Transmission and Distribution, 2015, 9, 2672-2678.	2.5	40
51	Raw Wind Data Preprocessing: A Data-Mining Approach. IEEE Transactions on Sustainable Energy, 2015, 6, 11-19.	8.8	112
52	Wind power uncertainty modeling considering spatial dependence based on Pair-copula theory. , 2014, , .		12
53	Evaluation of damping of windings in a generator using oscillation energy dissipation. , 2014, , .		13
54	Optimal calculation path-finding based power system state calculation and bad data identification. , 2014, , .		0

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55	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
56	Risk-constrained coordinative dispatching for battery energy storage systems of wind farms. , 2013, , .		2
57	Analysis and control of stochastic power fluctuations on the tie-line of interconnected power systems. , 2013, , .		1
58	Outlier detection based on improved SOM and its application in power system. , 2013, , .		0
59	An energy-based method for location of power system oscillation source. IEEE Transactions on Power Systems, 2013, 28, 828-836.	6.5	194
60	Research on a Hierarchical Dynamic Automatic Voltage Control System Based on the Discrete Event-Driven Method. Energies, 2013, 6, 2949-2965.	3.1	5
61	Multi-timescale modeling of battery energy storage system and its application in wind power balance. , 2013, , .		0
62	Integrated Coordinated Optimization Control of Automatic Generation Control and Automatic Voltage Control in Regional Power Grids. Energies, 2012, 5, 3817-3834.	3.1	9
63	Wide-area coordinated control of large scale Energy Storage System. , 2012, , .		2
64	The disturbance source identification of forced power oscillation caused by continuous cyclical load. , 2011, , .		18
65	Modeling based on work timing and numerical sense of power hardware-in-the-loop simulation. , 2011, , .		3
66	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
67	New method for computing unstable equilibrium points of power systems with induction motors. Science China Technological Sciences, 2010, 53, 881-885.	4.0	3
68	Fuzzy logic based coordinated controller for wind/battery/IDSMS hybrid micro-grid power system. , 2010, , .		3
69	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
70	A novel dynamic equivalence method for grid-connected wind farm. Journal of Zhejiang University: Science A, 2008, 9, 558-563.	2.4	5
71	On-line Voltage Security Assessment of the Beijing power system. , 2008, , .		0
72	Limit Induced Bifurcation Caused by SVC Capacity Limit. , 2007, , .		1

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73	The Credible Regions on the Approximate Stability Boundaries of Nonlinear Dynamic Systems. IEEE Transactions on Automatic Control, 2007, 52, 1486-1491.	5.7	8
74	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
75	A New Method of Computing the Controlling Unstable Equilibrium Point of the Post-Fault Power System. , 2006, , .		1
76	Optimal Reactive Power Flow in Wind Generation Integrated Power System. , 2006, , .		4
77	On-Line Steady State Security Assessment of Power Systems by SMES. IEEE Transactions on Applied Superconductivity, 2005, 15, 1923-1926.	1.7	4
78	A new method for generation shedding and load shedding in power system emergency control. , 2004, , .		6
79	Dynamic monitoring and control system based on synchronized phasor measurement in Heilongjian Eastern Power System. , 0, , .		8
80	Phasor measurement applications in China. , 0, , .		5