

Janusz W Bialek

List of Publications by Year in descending order

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39
papers

1,177
citations

471509

17
h-index

580821

25
g-index

39
all docs

39
docs citations

39
times ranked

1192
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Spectral Clustering of Power Grids. IEEE Transactions on Power Systems, 2014, 29, 2229-2237.	6.5	176
2	Benchmarking and Validation of Cascading Failure Analysis Tools. IEEE Transactions on Power Systems, 2016, 31, 4887-4900.	6.5	122
3	Opportunity Cost Bidding by Wind Generators in Forward Markets: Analytical Results. IEEE Transactions on Power Systems, 2011, 26, 1600-1608.	6.5	99
4	Supervisory Control of a Wind Farm. IEEE Transactions on Power Systems, 2007, 22, 985-994.	6.5	86
5	Constrained spectral clustering-based methodology for intentional controlled islanding of large-scale power systems. IET Generation, Transmission and Distribution, 2015, 9, 31-42.	2.5	63
6	Why has it happened again? Comparison between the UCTE blackout in 2006 and the blackouts of 2003. , 2007, , .		57
7	Deadbands, Droop, and Inertia Impact on Power System Frequency Distribution. IEEE Transactions on Power Systems, 2019, 34, 3098-3108.	6.5	56
8	What does the GB power outage on 9 August 2019 tell us about the current state of decarbonised power systems?. Energy Policy, 2020, 146, 111821.	8.8	50
9	A unified framework for frequency control and congestion management. , 2016, , .		41
10	Dynamic Modeling of Thermal Generation Capacity Investment: Application to Markets With High Wind Penetration. IEEE Transactions on Power Systems, 2012, 27, 2127-2137.	6.5	40
11	Updated and validated power flow model of the main continental European transmission network. , 2013, , .		38
12	Adaptive Parameter Estimation of Power System Dynamic Model Using Modal Information. IEEE Transactions on Power Systems, 2014, 29, 2854-2861.	6.5	37
13	Review of Cooperative Game Theory applications in power system expansion planning. Renewable and Sustainable Energy Reviews, 2021, 145, 111056.	16.4	34
14	Electricity Tracing in Systems With and Without Circulating Flows: Physical Insights and Mathematical Proofs. IEEE Transactions on Power Systems, 2010, 25, 1078-1087.	6.5	33
15	Distributed plug-and-play optimal generator and load control for power system frequency regulation. International Journal of Electrical Power and Energy Systems, 2018, 101, 1-12.	5.5	31
16	Classification of mode damping and amplitude in power systems using synchrophasor measurements and classification trees. IEEE Transactions on Power Systems, 2013, 28, 1988-1996.	6.5	22
17	Degradation and Operation-Aware Framework for the Optimal Siting, Sizing, and Technology Selection of Battery Storage. IEEE Transactions on Sustainable Energy, 2020, 11, 2130-2140.	8.8	20
18	Incorporating variable lifetime and self-discharge into optimal sizing and technology selection of energy storage systems. IET Smart Grid, 2018, 1, 11-18.	2.2	19

#	ARTICLE	IF	CITATIONS
19	Contribution of transmission and voltage constraints to the formation of locational marginal prices. International Journal of Electrical Power and Energy Systems, 2018, 101, 491-499.	5.5	18
20	Estimation of Parameters of a Dynamic Generator Model From Modal PMU Measurements. IEEE Transactions on Power Systems, 2020, 35, 53-62.	6.5	18
21	Can cross-border transmission expansion lead to fair and stable cooperation? Northeast Asia case analysis. Energy Economics, 2019, 84, 104498.	12.1	15
22	Operations- and Uncertainty-Aware Installation of FACTS Devices in a Large Transmission System. IEEE Transactions on Control of Network Systems, 2019, 6, 961-970.	3.7	15
23	Synchronous machine inertia constants updating using Wide Area Measurements. , 2012, , .		14
24	Optimising Building-to-Building and Building-for-Grid Services Under Uncertainty: A Robust Rolling Horizon Approach. IEEE Transactions on Smart Grid, 2022, 13, 1453-1467.	9.0	12
25	Tree-Partitioning as an Emergency Measure to Contain Cascading Line Failures. IEEE Transactions on Power Systems, 2022, 37, 467-475.	6.5	7
26	Enhancing the Stability of Coalitions in Cross-Border Transmission Expansion Planning. IEEE Transactions on Power Systems, 2022, 37, 2744-2757.	6.5	7
27	Identification of Stability Regions in Inverter-Based Microgrids. IEEE Transactions on Power Systems, 2022, 37, 2613-2623.	6.5	7
28	Can Center-of-Inertia Model be Identified From Ambient Frequency Measurements?. IEEE Transactions on Power Systems, 2022, 37, 2459-2462.	6.5	7
29	Risk-limiting dispatch of smart grid. , 2010, , .		6
30	Transient stability assessment of controlled islanding based on power flow tracing. , 2014, , .		6
31	Comparison of two schemes for closed-loop decentralized frequency control and overload alleviation. , 2019, , .		5
32	Hybrid Open Points: An Efficient Tool for Increasing Network Capacity in Distribution Systems. IEEE Transactions on Power Delivery, 2022, 37, 1340-1343.	4.3	5
33	Determination of when to island by analysing dynamic characteristics in cascading outages. , 2013, , .		3
34	Energy networks: A modelling framework for European optimal cross-border trades. , 2014, , .		2
35	Optimal Power Flow with Substation Reconfiguration. , 2021, , .		2
36	PSS design for a small synchronous generator with static excitation system. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
37	Electricity and gas interaction: A UK perspective and risk assessment. , 2009, , .		1
38	Manipulability of Cost and Benefit Allocation in Cross-border Electrical Interconnection Projects. , 2019, , .		1
39	Estimation of Parameters of a Dynamic Generator Model from Modal PMU Measurements. , 2020, , .		1