Janusz W Bialek

List of Publications by Year
in descending order

39	1,177	471509	580821
papers	citations	17	25
		h-index	g-index

39	39	39	1192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tree-Partitioning as an Emergency Measure to Contain Cascading Line Failures. IEEE Transactions on Power Systems, 2022, 37, 467-475.	6.5	7
2	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
3	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
4	Enhancing the Stability of Coalitions in Cross-Border Transmission Expansion Planning. IEEE Transactions on Power Systems, 2022, 37, 2744-2757.	6.5	7
5	Identification of Stability Regions in Inverter-Based Microgrids. IEEE Transactions on Power Systems, 2022, 37, 2613-2623.	6.5	7
6	Can Center-of-Inertia Model be Identified From Ambient Frequency Measurements?. IEEE Transactions on Power Systems, 2022, 37, 2459-2462.	6.5	7
7	Optimal Power Flow with Substation Reconfiguration. , 2021, , .		2
8	Review of Cooperative Game Theory applications in power system expansion planning. Renewable and Sustainable Energy Reviews, 2021, 145, 111056.	16.4	34
9	Estimation of Parameters of a Dynamic Generator Model From Modal PMU Measurements. IEEE Transactions on Power Systems, 2020, 35, 53-62.	6.5	18
10	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
11	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
12	Estimation of Parameters of a Dynamic Generator Model from Modal PMU Measurements. , 2020, , .		1
13	Manipulability of Cost and Benefit Allocation in Cross-border Electrical Interconnection Projects. , 2019, , .		1
14	Can cross-border transmission expansion lead to fair and stable cooperation? Northeast Asia case analysis. Energy Economics, 2019, 84, 104498.	12.1	15
15	Deadbands, Droop, and Inertia Impact on Power System Frequency Distribution. IEEE Transactions on Power Systems, 2019, 34, 3098-3108.	6.5	56
16	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
17	Comparison of two schemes for closed-loop decentralized frequency control and overload alleviation. , 2019, , .		5
18	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

#	Article	IF	Citations
19	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
20	Incorporating variable lifetime and selfâ€discharge into optimal sizing and technology selection of energy storage systems. IET Smart Grid, 2018, 1, 11-18.	2.2	19
21	A unified framework for frequency control and congestion management. , 2016, , .		41
22	Benchmarking and Validation of Cascading Failure Analysis Tools. IEEE Transactions on Power Systems, 2016, 31, 4887-4900.	6.5	122
23	Constrained spectral clusteringâ€based methodology for intentional controlled islanding of largeâ€scale power systems. IET Generation, Transmission and Distribution, 2015, 9, 31-42.	2.5	63
24	Transient stability assessment of controlled islanding based on power flow tracing. , 2014, , .		6
25	Energy networks: A modelling framework for European optimal cross-border trades. , 2014, , .		2
26	Hierarchical Spectral Clustering of Power Grids. IEEE Transactions on Power Systems, 2014, 29, 2229-2237.	6.5	176
27	Adaptive Parameter Estimation of Power System Dynamic Model Using Modal Information. IEEE Transactions on Power Systems, 2014, 29, 2854-2861.	6.5	37
28	Determination of when to island by analysing dynamic characteristics in cascading outages. , 2013, , .		3
29	Updated and validated power flow model of the main continental European transmission network. , 2013, , .		38
30	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
31	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
32	Synchronous machine inertia constants updating using Wide Area Measurements. , 2012, , .		14
33	Opportunity Cost Bidding by Wind Generators in Forward Markets: Analytical Results. IEEE Transactions on Power Systems, 2011, 26, 1600-1608.	6.5	99
34	Risk-limiting dispatch of smart grid. , 2010, , .		6
35	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
36	Electricity and gas interaction: A UK perspective and risk assessment. , 2009, , .		1

#	Article	IF	Citations
37	Why has it happened again? Comparison between the UCTE blackout in 2006 and the blackouts of 2003. , 2007, , .		57
38	PSS design for a small synchronous generator with static excitation system. , 2007, , .		1
39	Supervisory Control of a Wind Farm. IEEE Transactions on Power Systems, 2007, 22, 985-994.	6.5	86