

Paul Cuffe

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

307
citations

9
h-index

16
g-index

76
ext. papers

465
ext. citations

4.7
avg, IF

4.55
L-index

#	Paper	IF	Citations
45	Visualizing the Electrical Structure of Power Systems. <i>IEEE Systems Journal</i> , 2017 , 11, 1810-1821	4.3	49
44	Blockchain Electricity Trading Under Demurrage. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2323-2325	10.7	37
43	Capability Chart for Distributed Reactive Power Resources. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 15-22	7	36
42	Embracing an Adaptable, Flexible Posture: Ensuring That Future European Distribution Networks Are Ready for More Active Roles. <i>IEEE Power and Energy Magazine</i> , 2016 , 14, 16-28	2.4	28
41	Transmission System Impact of Wind Energy Harvesting Networks. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 643-651	8.2	22
40	Evaluation of Advanced Operation and Control of Distributed Wind Farms to Support Efficiency and Reliability. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 735-742	8.2	14
39	A Comparison of Malicious Interdiction Strategies Against Electrical Networks. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017 , 7, 205-217	5.2	13
38	Voltage Responsive Distribution Networks: Comparing Autonomous and Centralized Solutions. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2234-2242	7	11
37	A Dynamic State Estimator Based Tolerance Control Method Against Cyberattack and Erroneous Measured Data for Power Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	11
36	Visualizing voltage relationships using the unity row summation and real valued properties of the FLG matrix. <i>Electric Power Systems Research</i> , 2016 , 140, 611-618	3.5	9
35	A Three-Tier Framework for Understanding Disruption Trajectories for Blockchain in the Electricity Industry. <i>IEEE Access</i> , 2020 , 8, 65670-65682	3.5	8
34	A Topological Sorting Approach to Identify Coherent Cut-Sets Within Power Grids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 721-730	7	8
33	Characterisation of the reactive power capability of diverse distributed generators: Toward an optimisation approach 2012 ,		7
32	Ireland's approach for the connection of large amounts of renewable generation 2010 ,		7
31	Analytic Loss Minimization: A Proof. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3322-3323	7	6
30	Calculating Nodal Voltages Using the Admittance Matrix Spectrum of an Electrical Network. <i>Mathematics</i> , 2019 , 7, 106	2.3	5
29	Validating Two Novel Equivalent Impedance Estimators. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1151-1152	7	4

28	Novel quality metrics for power system diagrams 2016,		4
27	A Prediction Market Trading Strategy to Hedge Financial Risks of Wind Power Producers in Electricity Markets. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 4513-4523	7	4
26	Transient stability impacts from distribution connected wind farms 2012,		3
25	Towards the Use of Blockchain Prediction Markets for Forecasting Wind Power 2020,		3
24	A Voltage Control Scheme for Generation-Dominated Networks to Maximize Power Export. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 7321-7323	7	2
23	Distribution system reactive power management under defined power transfer standards 2013,		2
22	Optimization and Visualization Tools for Situational Awareness in Highly Renewable Power Systems 2020,		2
21	Towards a Blockchain Weather Derivative Financial Instrument for Hedging Volumetric Risks of Solar Power Producers 2021,		2
20	For Power Systems, Geography Doesn't Matter, But Electrical Structure Does. <i>IEEE Potentials</i> , 2017 , 36, 42-46	1	1
19	A deterministic approach to locating series flow-controllers within transmission systems to alleviate congestion. <i>Electric Power Systems Research</i> , 2018 , 163, 686-695	3.5	1
18	Data Visualization: The Signal and the Noise. <i>IEEE Potentials</i> , 2018 , 37, 28-34	1	1
17	A discussion of reactive power control possibilities in distribution networks dedicated to generation 2014,		1
16	Offline tuning of dynamic settings considering an online central controller in a wind energy harvesting network. <i>IET Renewable Power Generation</i> , 2015 , 9, 1000-1009	2.9	1
15	Towards a Blockchain Contract-for-Difference Financial Instrument for Hedging Renewable Electricity Transactions 2020,		1
14	Towards a Blockchain Special Purpose Vehicle for Financing Independent Renewable Electricity Projects in Sub-Saharan Africa 2020,		1
13	K. Healy: Data Visualization: A Practical Introduction [Book Review]. <i>IEEE Transactions on Professional Communication</i> , 2019 , 62, 310-311	1	0
12	Playing Fair With Time Series Data. <i>IEEE Potentials</i> , 2020 , 39, 47-50	1	0
11	Using Binary Prediction Markets as Hedging Instruments: Strategies for Renewable Generators. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 1-1	8.2	0

10	Structuring Special Purpose Vehicles for Financing Renewable Generators on a Blockchain Marketplace. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	o
9	Test Distribution Systems: Network Parameters and Diagrams of Electrical Structural. <i>IEEE Open Access Journal of Power and Energy</i> , 2021 , 8, 409-420	3.8	o
8	Hijacking internet-connected devices to provoke harmful oscillations in an electrical network: a feasibility assessment. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2020 , 5, 226-231	2.5	o
7	Data Visualization: A Practical Introduction: Kieran Healy [Book Review]. <i>IEEE Transactions on Professional Communication</i> , 2020 , 63, 400-401	1	o
6	Prediction Markets for Probabilistic Forecasting of Renewable Energy Sources. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 1-1	8.2	o
5	. <i>IEEE Potentials</i> , 2021 , 40, 36-38	1	o
4	High Voltages and Low Esthetic Standards: Three Design Principles to Humanize Electricity Pylons. <i>IEEE Technology and Society Magazine</i> , 2021 , 40, 20-24	0.8	
3	Negative Results on Deploying Distributed Series Reactance Devices to Improve Power System Robustness Against Cascading Failures. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	
2	Maximizing Branch Power Flows as a Descriptive Structural Metric for Electrical Networks. <i>IEEE Systems Journal</i> , 2021 , 1-11	4.3	
1	Making frequency distributions tangible. <i>IEEE Potentials</i> , 2022 , 41, 40-42	1	