Paul Cuffe

List of Publications by Year in Descending Order

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	Making frequency distributions tangible. *IEEE Potentials*, **2022**, 41, 40-42	1	
44	Using Binary Prediction Markets as Hedging Instruments: Strategies for Renewable Generators. *IEEE Transactions on Sustainable Energy*, **2021**, 1-1	8.2	0
43	Structuring Special Purpose Vehicles for Financing Renewable Generators on a Blockchain Marketplace. *IEEE Transactions on Industry Applications*, **2021**, 1-1	4.3	0
42	Test Distribution Systems: Network Parameters and Diagrams of Electrical Structural. *IEEE Open Access Journal of Power and Energy*, **2021**, 8, 409-420	3.8	0
41	High Voltages and Low Esthetic Standards: Three Design Principles to Humanize Electricity Pylons. *IEEE Technology and Society Magazine*, **2021**, 40, 20-24	0.8	
40	Towards a Blockchain Weather Derivative Financial Instrument for Hedging Volumetric Risks of Solar Power Producers **2021**,		2
39	Negative Results on Deploying Distributed Series Reactance Devices to Improve Power System Robustness Against Cascading Failures. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	
38	Prediction Markets for Probabilistic Forecasting of Renewable Energy Sources. *IEEE Transactions on Sustainable Energy*, **2021**, 1-1	8.2	0
37	A Prediction Market Trading Strategy to Hedge Financial Risks of Wind Power Producers in Electricity Markets. *IEEE Transactions on Power Systems*, **2021**, 36, 4513-4523	7	4
36	. *IEEE Potentials*, **2021**, 40, 36-38	1	0
35	Maximizing Branch Power Flows as a Descriptive Structural Metric for Electrical Networks. *IEEE Systems Journal*, **2021**, 1-11	4.3	
34	A Dynamic State Estimator Based Tolerance Control Method Against Cyberattack and Erroneous Measured Data for Power Systems. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	11
33	A Three-Tier Framework for Understanding Disruption Trajectories for Blockchain in the Electricity Industry. *IEEE Access*, **2020**, 8, 65670-65682	3.5	8
32	Playing Fair With Time Series Data. *IEEE Potentials*, **2020**, 39, 47-50	1	0
31	Optimization and Visualization Tools for Situational Awareness in Highly Renewable Power Systems **2020**,		2
30	Towards the Use of Blockchain Prediction Markets for Forecasting Wind Power **2020**,		3
29	Towards a Blockchain Contract-for-Difference Financial Instrument for Hedging Renewable Electricity Transactions **2020**,		1

28	Hijacking internet-connected devices to provoke harmful oscillations in an electrical network: a feasibility assessment. *IET Cyber-Physical Systems: Theory and Applications*, **2020**, 5, 226-231	2.5	0
27	Data Visualization: A Practical Introduction: Kieran Healy [Book Review]. *IEEE Transactions on Professional Communication*, **2020**, 63, 400-401	1	0
26	Towards a Blockchain Special Purpose Vehicle for Financing Independent Renewable Electricity Projects in Sub-Saharan Africa **2020**,		1
25	A Topological Sorting Approach to Identify Coherent Cut-Sets Within Power Grids. *IEEE Transactions on Power Systems*, **2020**, 35, 721-730	7	8
24	K. Healy: Data Visualization: A Practical Introduction [Book Review]. *IEEE Transactions on Professional Communication*, **2019**, 62, 310-311	1	0
23	Calculating Nodal Voltages Using the Admittance Matrix Spectrum of an Electrical Network. *Mathematics*, **2019**, 7, 106	2.3	5
22	Blockchain Electricity Trading Under Demurrage. *IEEE Transactions on Smart Grid*, **2019**, 10, 2323-2325	10.7	37
21	Validating Two Novel Equivalent Impedance Estimators. *IEEE Transactions on Power Systems*, **2018**, 33, 1151-1152	7	4
20	A deterministic approach to locating series flow-controllers within transmission systems to alleviate congestion. *Electric Power Systems Research*, **2018**, 163, 686-695	3.5	1
19	Data Visualization: The Signal and the Noise. *IEEE Potentials*, **2018**, 37, 28-34	1	1
18	A Voltage Control Scheme for Generation-Dominated Networks to Maximize Power Export. *IEEE Transactions on Power Systems*, **2018**, 33, 7321-7323	7	2
17	Visualizing the Electrical Structure of Power Systems. *IEEE Systems Journal*, **2017**, 11, 1810-1821	4.3	49
16	A Comparison of Malicious Interdiction Strategies Against Electrical Networks. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2017**, 7, 205-217	5.2	13
15	For Power Systems, Geography Doesn]t Matter, But Electrical Structure Does. *IEEE Potentials*, **2017**, 36, 42-46	1	1
14	Analytic Loss Minimization: A Proof. *IEEE Transactions on Power Systems*, **2016**, 31, 3322-3323	7	6
13	Visualizing voltage relationships using the unity row summation and real valued properties of the FLG matrix. *Electric Power Systems Research*, **2016**, 140, 611-618	3.5	9
12	Novel quality metrics for power system diagrams **2016**,		4
11	Embracing an Adaptable, Flexible Posture: Ensuring That Future European Distribution Networks Are Ready for More Active Roles. *IEEE Power and Energy Magazine*, **2016**, 14, 16-28	2.4	28

10	Voltage Responsive Distribution Networks: Comparing Autonomous and Centralized Solutions. *IEEE Transactions on Power Systems*, **2015**, 30, 2234-2242	7	11
9	Offline tuning of dynamic settings considering an online central controller in a wind energy harvesting network. *IET Renewable Power Generation*, **2015**, 9, 1000-1009	2.9	1
8	Capability Chart for Distributed Reactive Power Resources. *IEEE Transactions on Power Systems*, **2014**, 29, 15-22	7	36
7	A discussion of reactive power control possibilities in distribution networks dedicated to generation **2014**,		1
6	Distribution system reactive power management under defined power transfer standards **2013**,		2
5	Evaluation of Advanced Operation and Control of Distributed Wind Farms to Support Efficiency and Reliability. *IEEE Transactions on Sustainable Energy*, **2012**, 3, 735-742	8.2	14
4	Transmission System Impact of Wind Energy Harvesting Networks. *IEEE Transactions on Sustainable Energy*, **2012**, 3, 643-651	8.2	22
3	Transient stability impacts from distribution connected wind farms **2012**,		3
2	Characterisation of the reactive power capability of diverse distributed generators: Toward an optimisation approach **2012**,		7
1	Ireland]s approach for the connection of large amounts of renewable generation **2010**,		7