David M Greenwood

List of Publications by Year
in descending order

40 papers	516 citations	759233 12 h-index	642732 23 g-index
40 all docs	40 docs citations	40 times ranked	450 citing authors

#	Article	IF	Citations
1	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
2	Energy storage integration. , 2022, , 685-728.		0
3	Adaptive receding horizon control for battery energy storage management with age-and-operation-dependent efficiency and degradation. Electric Power Systems Research, 2022, 209, 107936.	3.6	8
4	A reliability-aware chance-constrained battery sizing method for island microgrid. Energy, 2022, 251, 123978.	8.8	9
5	Hourly historical and near-future weather and climate variables for energy system modelling. Earth System Science Data, 2022, 14, 2749-2766.	9.9	6
6	Optimization-based modelling and game-theoretic framework for techno-economic analysis of demand-side flexibility: A real case study. Applied Energy, 2022, 321, 119370.	10.1	3
7	Capacity Value of Interconnectors for Resource Adequacy Assessment in Multi-Region Systems. , 2022, , .		0
8	Comparing Generator Unavailability Models with Empirical Distributions from Open Energy Datasets. , 2022, , .		0
9	A Reliability-Based Method to Quantify the Capacity Value of Soft Open Points in Distribution Networks. IEEE Transactions on Power Systems, 2021, 36, 5032-5043.	6.5	22
10	Analysis of Network Impacts of Frequency Containment Provided by Domestic-Scale Devices Using Matrix Factorization. IEEE Transactions on Power Systems, 2021, 36, 5697-5707.	6.5	0
11	Optimization of Fuzzy Energy-Management System for Grid-Connected Microgrid Using NSGA-II. IEEE Transactions on Cybernetics, 2021, 51, 5375-5386.	9.5	50
12	Optimal battery sizing for a distribution network in Austria to maximise profits and reliability. CIRED - Open Access Proceedings Journal, 2021, , .	0.1	1
13	The use of voltage envelope and voltage dependent loads to increase the penetration of renewables. , 2021, , .		0
14	Hybrid European MV–LV Network Models for Smart Distribution Network Modelling. , 2021, , .		5
15	Reliability assessment of island multi€energy microgrids. Energy Conversion and Economics, 2021, 2, 169-182.	3.2	5
16	Impacts of heat decarbonization on system adequacy considering increased meteorological sensitivity. Applied Energy, 2021, 298, 117261.	10.1	11
17	Chance-constrained optimization for integrated local energy systems operation considering correlated wind generation. International Journal of Electrical Power and Energy Systems, 2021, 132, 107153.	5.5	24
18	Local distribution network management through optimal flexibility scheduling: the Austrian pilot of the Horizon 2020 MERLON project. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	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
20	Calculations of System Adequacy Considering Heat Transition Pathways. , 2020, , .		2
21	A probabilistic method to quantify the capacity value of load transfer. International Journal of Electrical Power and Energy Systems, 2020, 123, 106238.	5.5	4
22	Integration of High Penetrations of Intermittent Renewable Generation in Future Electricity Networks Using Storage. , 2020, , 649-668.		0
23	Degradation and Operation-Aware Framework for the Optimal Siting, Sizing and Technology Selection of Battery Storage. , 2020, , .		0
24	Nonâ€local harmonic current and reactive power compensation for a multiâ€microgrid system using a seriesâ€"shunt network device. IET Generation, Transmission and Distribution, 2020, 14, 5655-5666.	2.5	5
25	Deadbands, Droop, and Inertia Impact on Power System Frequency Distribution. IEEE Transactions on Power Systems, 2019, 34, 3098-3108.	6.5	56
26	A method to include component condition and substation reliability into distribution system reconfiguration. International Journal of Electrical Power and Energy Systems, 2019, 109, 122-138.	5.5	14
27	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
28	A novel approach to frequency support in a wind integrated power system. Renewable Energy, 2017, 108, 194-206.	8.9	30
29	A Probabilistic Method Combining Electrical Energy Storage and Real-Time Thermal Ratings to Defer Network Reinforcement. IEEE Transactions on Sustainable Energy, 2017, 8, 374-384.	8.8	53
30	ESCoBox: A Set of Tools for Mini-Grid Sustainability in the Developing World. Sustainability, 2017, 9, 738.	3.2	11
31	Combining energy storage and real-time thermal ratings to solve distribution network problems: benefits and challenges. CIRED - Open Access Proceedings Journal, 2017, 2017, 1634-1637.	0.1	0
32	Methods and applications for electricity demand disaggregation in developing countries. , 2016, , .		0
33	Data mining of remote monitored stand-alone solar PV systems for State of Health estimation. , 2016, , .		2
34	A Forecasting, Optimization and Scheduling System for Energy Storage Systems in distribution networks. , 2016, , .		2
35	Energy Storage Integration. , 2016, , 433-476.		1
36	Climate change risks in electricity networks. Infrastructure Asset Management, 2015, 2, 42-51.	1.6	2

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37	Applying Wind Simulations for Planning and Operation of Real-Time Thermal Ratings. IEEE Transactions on Smart Grid, 2015, , 1-11.	9.0	12
38	Unlocking the benefits of real–time thermal ratings through probabilistic power network planning. IET Generation, Transmission and Distribution, 2014, 8, 2055-2064.	2.5	17
39	A Comparison of Real-Time Thermal Rating Systems in the U.S. and the U.K.. IEEE Transactions on Power Delivery, 2014, 29, 1849-1858.	4.3	70
40	Investigating the Impact of Real-Time Thermal Ratings on Power Network Reliability. IEEE Transactions on Power Systems, 2014, 29, 2460-2468.	6.5	47