

Brian G Stewart

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

381
citations

840776

11
h-index

839539

18
g-index

40
all docs

40
docs citations

40
times ranked

376
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Power Transformer Lifetime Predictions Through Machine Learning and Uncertainty Modeling in Nuclear Power Plants. IEEE Transactions on Industrial Electronics, 2019, 66, 4726-4737.	7.9	92
2	Power transformer dissolved gas analysis through Bayesian networks and hypothesis testing. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 494-506.	2.9	50
3	Survey on the Performance of Source Localization Algorithms. Sensors, 2017, 17, 2666.	3.8	31
4	Classification of Partial Discharge Signals by Combining Adaptive Local Iterative Filtering and Entropy Features. Sensors, 2018, 18, 406.	3.8	25
5	Quantification of the performance of iterative and non-iterative computational methods of locating partial discharges using RF measurement techniques. Electric Power Systems Research, 2017, 143, 110-120.	3.6	18
6	Classification of EMI discharge sources using time-frequency features and multi-class support vector machine. Electric Power Systems Research, 2018, 163, 261-269.	3.6	14
7	Imaging Time Series for the Classification of EMI Discharge Sources. Sensors, 2018, 18, 3098.	3.8	13
8	Power Quality Measurement and Active Harmonic Power in 25 kV 50 Hz AC Railway Systems. Energies, 2020, 13, 5698.	3.1	13
9	A Novel Arc Detection Method for DC Railway Systems. Energies, 2021, 14, 444.	3.1	13
10	Forecasting Flashover Parameters of Polymeric Insulators under Contaminated Conditions Using the Machine Learning Technique. Energies, 2020, 13, 3889.	3.1	12
11	Uncertainty-Aware Fusion of Probabilistic Classifiers for Improved Transformer Diagnostics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 621-633.	9.3	12
12	Pantograph Arc Location Estimation Using Resonant Frequencies in DC Railway Power Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 3083-3095.	7.8	11
13	Selecting appropriate machine learning classifiers for DGA diagnosis. , 2017, , .		7
14	Power Quality Event Analysis in 25 kV 50 Hz AC Railway System Networks. , 2019, , .		7
15	Power Flow Simulation of DC Railway Power Supply Systems with Regenerative Braking. , 2020, , .		7
16	A Diagnostics Framework for Underground Power Cables Lifetime Estimation Under Uncertainty. IEEE Transactions on Power Delivery, 2021, 36, 2014-2024.	4.3	7
17	Entropy-Based Feature Extraction for Electromagnetic Discharges Classification in High-Voltage Power Generation. Entropy, 2018, 20, 549.	2.2	6
18	Hybrid Heuristic Algorithm for Better Energy Optimization and Resource Utilization in Cloud Computing. Wireless Personal Communications, 2021, 118, 43-73.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Naive Bayes Multi-Label Classification Approach for High-Voltage Condition Monitoring. , 2018, , .		4
20	Towards a Comprehensive DGA Health Index. , 2018, , .		4
21	Attenuation Characteristics and Time Delay of PD Electromagnetic Wave Propagation in GIS Systems. IEEE Transactions on Power Delivery, 2022, 37, 937-946.	4.3	4
22	Improving the accuracy of transformer DGA diagnosis in the presence of conflicting evidence. , 2017, , .		3
23	FEA Simulation Studies of Accelerated Aging of Power Cables in Water Tanks. , 2020, , .		3
24	Modelling Harmonic Propagation in HVDC System Power Cables. , 2021, , .		3
25	Construction of a Transformer DGA Health Index Based on DGA Screening Processes. , 2020, , .		3
26	Towards a Comprehensive DGA Health Index. , 2018, , .		2
27	An investigative study on the influence of correlation of PD statistical features on PD pattern recognition. , 2018, , .		2
28	Probabilistic Power Transformer Condition Monitoring in Smart Grids. , 2019, , .		2
29	Computational Efficient SLMâ€œOFDM Receiver for Time-Invariant Indoor Fading Channel. Wireless Personal Communications, 2017, 97, 661-674.	2.7	1
30	The Influence of Antenna Positioning Errors on the Radio-Frequency Localization of Partial Discharge Sources. Proceedings (mdpi), 2017, 1, 12.	0.2	1
31	Simulation of High Voltage Direct Current Filters. , 2018, , .		1
32	Thermal Profiles of High-voltage Capacitor Units. , 2019, , .		1
33	Reversible Substation Modelling with Regenerative Braking in DC Traction Power Supply Systems. , 2021, , .		1
34	Simulation Study on the Effect of PD Pulse Shape on Electromagnetic Wave Propagation in an L-type GIS Structure. , 2021, , .		1
35	Impact of Increased Penetration of Low-Carbon Technologies on Cable Lifetime Estimations. Electricity, 2022, 3, 220-235.	2.8	1
36	Detection of Dips, Swells and Interruptions in DC Power Network. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
37	Spatial study of the uncertainties in the localization of partial discharges for different antenna layouts. , 2017, , .		0
38	Pre-determination of partial discharge inception voltage in power cables using electrode gaps in air under AC voltage. , 2017, , .		0
39	Towards a Hybrid Power Cable Health Index for Medium Voltage Power Cable Condition Monitoring. , 2019, , .		0
40	An investigative study on the influence of correlation of PD statistical features on PD pattern recognition. , 2018, , .		0