Patrick Picher

List of Publications by Year
in descending order

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15	564	1040056 9	1125743 13
papers	citations	h-index	g-index

15	15	15	304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pre-Breakdown and Breakdown Behavior of Synthetic and Natural Ester Liquids under AC Stress. Energies, 2022, 15, 167.	3.1	5
2	Frequency Response Analysis Interpretation Using Numerical Indices and Machine Learning: A Case Study Based on a Laboratory Model. IEEE Access, 2021, 9, 67051-67063.	4.2	9
3	A Machine-Learning Approach to Identify the Influence of Temperature on FRA Measurements. Energies, 2021, 14, 5718.	3.1	3
4	Pre-breakdown Phenomena and Influence of Aging Byproducts in Thermally Aged Low Pour Point Ester Fluids Under AC Stress. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1563-1570.	2.9	10
5	Identification and Application of Machine Learning Algorithms for Transformer Dissolved Gas Analysis. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1828-1835.	2.9	34
6	Alternative Dielectric Fluids for Transformer Insulation System: Progress, Challenges, and Future Prospects. IEEE Access, 2019, 7, 184552-184571.	4.2	106
7	Numerical and experimental thermofluid investigation of different disc-type power transformer winding arrangements. International Journal of Heat and Fluid Flow, 2018, 69, 62-72.	2.4	43
8	Current state of transformer FRA interpretation. Procedia Engineering, 2017, 202, 3-12.	1.2	24
9	Experience with frequency response analysis (FRA) for the mechanical condition assessment of transformer windings. , 2013, , .		6
10	Numerical investigation of 3D flow and thermal effects in a disc-type transformer winding. Applied Thermal Engineering, 2012, 40, 121-131.	6.0	85
11	Numerical study of parameters affecting the temperature distribution in a disc-type transformer winding. Applied Thermal Engineering, 2010, 30, 2034-2044.	6.0	123
12	Advanced monitoring and modelling methods for power transformer asset management. European Journal of Electrical Engineering, 2010, 13, 591-620.	0.3	5
13	Mitigation of Ferroresonance Induced by Single-Phase Opening of a Three-Phase Transformer Feeder. , 2006, , .		4
14	No-load losses in transformer under overexcitation/inrush-current conditions: tests and a new model. IEEE Transactions on Power Delivery, 2002, 17, 1009-1017.	4.3	22
15	Study of the acceptable DC current limit in core-form power transformers. IEEE Transactions on Power Delivery, 1997, 12, 257-265.	4.3	85