

Hossein Mohseni

List of Publications by Year in descending order

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papers

785
citations

567281

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642732

23
g-index

30
all docs

30
docs citations

30
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	The Rogowski Coil Principles and Applications: A Review. IEEE Sensors Journal, 2015, 15, 651-658.	4.7	143
2	Aging evaluation of silicone rubber insulators using leakage current and flashover voltage analysis. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 212-220.	2.9	78
3	Analysis of Ferroresonance Modes in Power Transformers Using Preisach-Type Hysteretic Magnetizing Inductance. IEEE Transactions on Power Delivery, 2007, 22, 919-929.	4.3	61
4	Evaluation of numerical indices for the assessment of transformer frequency response. IET Generation, Transmission and Distribution, 2017, 11, 218-227.	2.5	55
5	An Accurate Hysteresis Model for Ferroresonance Analysis of a Transformer. IEEE Transactions on Power Delivery, 2008, 23, 1448-1456.	4.3	52
6	Effect of Different Connection Schemes, Terminating Resistors and Measurement Impedances on the Sensitivity of the FRA Method. IEEE Transactions on Power Delivery, 2017, 32, 1713-1720.	4.3	42
7	Leakage current analysis of polymeric insulators under uniform and non-uniform pollution conditions. IET Generation, Transmission and Distribution, 2017, 11, 2947-2957.	2.5	40
8	An Accurate Current Transformer Model Based on Preisach Theory for the Analysis of Electromagnetic Transients. IEEE Transactions on Power Delivery, 2008, 23, 233-242.	4.3	39
9	Optical Current Transducers and Error Sources in Them: A Review. IEEE Sensors Journal, 2015, 15, 4721-4728.	4.7	38
10	Improving the numerical indices proposed for the FRA interpretation by including the phase response. International Journal of Electrical Power and Energy Systems, 2016, 83, 585-593.	5.5	29
11	Experiences with transformer diagnosis by DGA: case studies. IET Generation, Transmission and Distribution, 2019, 13, 5431-5439.	2.5	25
12	Online Assessment of Contact Erosion in High Voltage Gas Circuit Breakers Based on Different Physical Quantities. IEEE Transactions on Power Delivery, 2019, 34, 580-587.	4.3	25
13	Detection of transformer mechanical deformations by comparing different FRA connections. International Journal of Electrical Power and Energy Systems, 2017, 86, 53-60.	5.5	21
14	Dismissing Uncertainties in the FRA Interpretation. IEEE Transactions on Power Delivery, 2018, 33, 2041-2043.	4.3	20
15	Leakage current analysis, FFT calculation and electric field distribution under water droplet on polluted silicon rubber insulator. Electrical Engineering, 2013, 95, 315-323.	2.0	18
16	Investigating the applicability of the finite integration technique for studying the frequency response of the transformer winding. International Journal of Electrical Power and Energy Systems, 2019, 110, 411-418.	5.5	17
17	Open-Core Optical Current Transducer: Modeling and Experiment. IEEE Transactions on Power Delivery, 2016, 31, 2028-2035.	4.3	16
18	Occupational risk of bladder cancer among Iranian male workers. Urology Annals, 2014, 6, 135.	0.6	14

#	ARTICLE	IF	CITATIONS
19	Effect of Nonideal Linear Polarizers, Stray Magnetic Field, and Vibration on the Accuracy of Open-Core Optical Current Transducers. IEEE Sensors Journal, 2014, 14, 3508-3515.	4.7	13
20	Dielectric Barrier Discharge (DBD) dynamic modeling for high voltage insulation. , 2011, , .		8
21	Performance Evaluation of Insulators Using Flashover Voltage and Leakage Current. Electric Power Components and Systems, 2013, 41, 221-233.	1.8	6
22	A sensitivity analysis of RLC transformer winding model parameters used for a PD localization. , 2018, , .		5
23	A feasibility study on estimating induced charge of partial discharges in transformer windings adjacent to its origin. International Journal of Electrical Power and Energy Systems, 2021, 129, 106899.	5.5	5
24	New laboratories in High Voltage Institute of University of Tehran for teaching power engineering courses. IET Generation, Transmission and Distribution, 2016, 10, 2810-2816.	2.5	4
25	Sensitivity of Dynamic Resistance of Gas Circuit Breakers to the Arc-induced Contact Erosion. , 2019, , .		4
26	Online non-invasive evaluation of arcing time for condition assessment of high-voltage gas circuit breakers. IET Generation, Transmission and Distribution, 2021, 15, 1013-1020.	2.5	4
27	A detailed model for atmospheric pressure oxygen dielectric barrier discharges. , 2012, , .		2
28	A sensitivity analysis of RLC transformer winding model parameters used for a PD localization. , 2018, , .		1
29	Optimization of electronic ballast drive for the high power sodium vapor lamps based on two-dimensional plasma finite element modeling. , 2009, , .		0
30	Study on Shunt reactor energization effects on power transformers. , 2017, , .		0