Mohd Taufiq Ishak

List of Publications by Year
in descending order

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55 papers	420 citations	1040056 9 h-index	940533 16 g-index
55 all docs	55 docs citations	55 times ranked	266 citing authors

#	Article	IF	Citations
1	A Review on Oil-Based Nanofluid as Next-Generation Insulation for Transformer Application. Journal of Nanomaterials, 2020, 2020, 1-17.	2.7	40
2	Pollution Flashover Under Different Contamination Profiles on High Voltage Insulator: Numerical and Experiment Investigation. IEEE Access, 2021, 9, 37800-37812.	4.2	40
3	Dielectric properties of natural ester oils used for transformer application under temperature variation. , 2016, , .		32
4	Design and Optimization of UHF Partial Discharge Sensors using FDTD Modeling. IEEE Sensors Journal, 2016, , 1-1.	4.7	26
5	A study on the dielectric properties of Palm Oil and Coconut Oil. , 2014, , .		19
6	The effect of polarity on the lightning breakdown voltages of palm oil and coconut oil under a non-uniform field for transformers application. Industrial Crops and Products, 2016, 89, 250-256.	5.2	19
7	Evaluation on the Lightning Breakdown Voltages of Palm Oil and Coconut Oil under Non-Uniform Field at Small Gap Distances. Journal of Electrical Engineering and Technology, 2016, 11, 184-191.	2.0	17
8	Lightning Breakdown Voltage Evaluation of Palm Oil and Coconut Oil as Transformer Oil under Quasi-Uniform Field Conditions. Energies, 2018, 11, 2676.	3.1	16
9	Investigation on the Dielectric, Physical and Chemical Properties of Palm Oil and Coconut Oil under Open Thermal Ageing Condition. Journal of Electrical Engineering and Technology, 2016, 11, 690-698.	2.0	16
10	Transformer hotspot temperature calculation using IEEE loading guide. , 2008, , .		14
11	An alternative approaches to predict flashover voltage on polluted outdoor insulators using artificial intelligence techniques. Bulletin of Electrical Engineering and Informatics, 2020, 9, .	0.8	11
12	Ageing effect of vegetable oils impregnated paper in transformer application. , 2017, , .		10
13	Breakdown strength of transformer oil filled with carbon nanotubes under various gap distances. Journal of Fundamental and Applied Sciences, 2018, 9, 41.	0.2	10
14	Systematical study of multi-walled carbon nanotube nanofluids based disposed transformer oil. Scientific Reports, 2020, 10, 20984.	3.3	10
15	Electrical properties of palm oil and rice bran oil under AC stress for transformer application. AEJ - Alexandria Engineering Journal, 2022, 61, 9095-9105.	6.4	10
16	Dissolved gas analysis (DGA) of vegetable oils under electrical stress. , 2017, , .		9
17	Proposal of a dynamic numerical approach in predicting flashover critical voltage. International Journal of Power Electronics and Drive Systems, 2018, 10, 602.	0.6	9
18	A New Flashover Prediction on Outdoor Polluted Insulator Using Leakage Current Harmonic Components. , 2018, , .		8

#	Article	IF	Citations
19	Performance and limitation of mineral oil-based carbon nanotubes nanofluid in transformer application. AEJ - Alexandria Engineering Journal, 2022, 61, 9623-9635.	6.4	8
20	Examination on the lightning breakdown strength of biodegradable oil under quasi-uniform field. , 2014, , .		7
21	Heart abnormality activity detection using multilayer perceptron (MLP) network. , 2018, , .		7
22	An investigation on rapeseed oil as potential insulating liquid. AIP Conference Proceedings, 2018, , .	0.4	7
23	The effect of insulator geometrical profile on electric field distributions. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 618.	0.8	7
24	AC Breakdown Voltage and Partial Discharge of Palm Oil As Insulating Liquid with The Presence of Cellulose Particles. , 2018, , .		6
25	Correlation of furfural and moisture content with age of transformers. , 2013, , .		5
26	Electrical responses of piezoelectric device. , 2014, , .		5
27	A study on the AC breakdown voltages of as-received palm oil and coconut oil under presence of TiO2. , 2015, , .		5
28	Behavior of Biodegradable Oil under Impulse Voltages. Applied Mechanics and Materials, 2015, 785, 320-324.	0.2	5
29	Investigation on AC breakdown of vegetable oils with insulated electrodes. , 2017, , .		5
30	Tansig activation function (of MLP network) for cardiac abnormality detection. AIP Conference Proceedings, 2018, , .	0.4	5
31	Investigation on breakdown strength of mineral oil based carbon nanotube. , 2016, , .		4
32	Study on Gadolinium and LaFe11.5Si1.5 compound as refrigerant for magnetic refrigerator application. AIP Conference Proceedings, 2018, , .	0.4	4
33	Investigation on the lightning breakdown voltage of Palm Oil and Coconut Oil under non-uniform field. , 2014, , .		3
34	Statistical Analysis on AC Breakdown Voltage of CNT Nanofluid with Mineral Oil and Palm Oil. , 2018, , .		3
35	Raman Spectroscopy Characterization of Mineral Oil and Palm Oil with Added Multi-Walled Carbon Nanotube for Application in Oil-Filled Transformers. Energies, 2022, 15, 1534.	3.1	3
36	Partial discharge investigation on palm oil using needle â€" Plane electrode configuration and electric field distribution using ANSYS Maxwell. , 2017, , .		2

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37	AC Breakdown Voltage and Dielectric Properties of Palm Oil As Insulating Liquid with The Presence of Copper Particles. , 2018, , .		2
38	Lightning impulse investigation on vegetables oils and simulation of electric field distribution. Journal of Fundamental and Applied Sciences, 2018, 9, 373.	0.2	2
39	Lightning Impulse Breakdown Voltage of Rice Bran Oil for Transformer Application. Energies, 2021, 14, 5084.	3.1	2
40	Reconfigurable antenna using plasma reflector. AIP Conference Proceedings, 2018, , .	0.4	1
41	Comparative study on activation function based heart abnormality activity. Journal of Fundamental and Applied Sciences, 2018, 9, 61.	0.2	1
42	Study and design of U-shaped patch antenna for multiband application. Journal of Fundamental and Applied Sciences, 2018, 9, 578.	0.2	1
43	Dissolved Gas Analysis (DGA) of natural ester oils under arcing faults. Journal of Fundamental and Applied Sciences, 2018, 9, 105.	0.2	1
44	A Study on Varies Temperature and Varies Gap Distance on Mixed Vegetable Oil as a Transformer Oil. , 2019, , .		1
45	Electrical Properties of Waste Mineral Oil Recycled Under Various Treatments and Doping with Nanoparticles for Transformer Application. , 2021, , .		1
46	Electrical Properties and Raman Scattering of Palm Oil Based Carbon Nanotube. Key Engineering Materials, 0, 908, 343-347.	0.4	1
47	Designing thermal model of a liquid immersed power transformer using MATLAB. AIP Conference Proceedings, 2016, , .	0.4	0
48	Calibration of ultra-high frequency (UHF) partial discharge sensors using FDTD method. AIP Conference Proceedings, 2018, , .	0.4	0
49	Effect on Heat Treatment and Doping of Cubic NaZn13-Type La0.7Pr0.3(Fe,Si)13 for Magnetic Refrigerator Application. , 0, , .		0
50	Characterization of Electrical Stress of Natural Ester Under Impulse Empirical Analysis. , 2018, , .		0
51	Hypervelocity penetration against mechanical properties of target materials. AIP Conference Proceedings, 2018, , .	0.4	0
52	Heart abnormality activity detection using Radial Basis Function (RBF). Journal of Fundamental and Applied Sciences, 2018, 9, 308.	0.2	0
53	Heart abnormality detection by using artificial neural network. Journal of Fundamental and Applied Sciences, 2018, 9, 1.	0.2	0
54	Study on The Ageing Performance on Kenaf Insulating Presspaper with Natural Ester. , 2021, , .		0

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55	Study The Properties Of Mixed Kenaf And Empty Fruit Bunch (EFB) Oil Palm Fibre Insulation Paper. , 2021, , .		0