

# Mohd Taufiq Ishak

## List of Publications by Year in descending order

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55  
papers

420  
citations

1040056

9  
h-index

940533

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docs citations

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times ranked

266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Spectroscopy Characterization of Mineral Oil and Palm Oil with Added Multi-Walled Carbon Nanotube for Application in Oil-Filled Transformers. <i>Energies</i> , 2022, 15, 1534.	3.1	3
2	Electrical properties of palm oil and rice bran oil under AC stress for transformer application. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 9095-9105.	6.4	10
3	Performance and limitation of mineral oil-based carbon nanotubes nanofluid in transformer application. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 9623-9635.	6.4	8
4	Pollution Flashover Under Different Contamination Profiles on High Voltage Insulator: Numerical and Experiment Investigation. <i>IEEE Access</i> , 2021, 9, 37800-37812.	4.2	40
5	Electrical Properties of Waste Mineral Oil Recycled Under Various Treatments and Doping with Nanoparticles for Transformer Application. , 2021, , .		1
6	Study on The Ageing Performance on Kenaf Insulating Presspaper with Natural Ester. , 2021, , .		0
7	Lightning Impulse Breakdown Voltage of Rice Bran Oil for Transformer Application. <i>Energies</i> , 2021, 14, 5084.	3.1	2
8	Study The Properties Of Mixed Kenaf And Empty Fruit Bunch (EFB) Oil Palm Fibre Insulation Paper. , 2021, , .		0
9	Systematical study of multi-walled carbon nanotube nanofluids based disposed transformer oil. <i>Scientific Reports</i> , 2020, 10, 20984.	3.3	10
10	A Review on Oil-Based Nanofluid as Next-Generation Insulation for Transformer Application. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-17.	2.7	40
11	An alternative approaches to predict flashover voltage on polluted outdoor insulators using artificial intelligence techniques. <i>Bulletin of Electrical Engineering and Informatics</i> , 2020, 9, .	0.8	11
12	A Study on Varies Temperature and Varies Gap Distance on Mixed Vegetable Oil as a Transformer Oil. , 2019, , .		1
13	The effect of insulator geometrical profile on electric field distributions. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2019, 14, 618.	0.8	7
14	Reconfigurable antenna using plasma reflector. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
15	Calibration of ultra-high frequency (UHF) partial discharge sensors using FDTD method. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
16	AC Breakdown Voltage and Partial Discharge of Palm Oil As Insulating Liquid with The Presence of Cellulose Particles. , 2018, , .		6
17	Statistical Analysis on AC Breakdown Voltage of CNT Nanofluid with Mineral Oil and Palm Oil. , 2018, , .		3
18	AC Breakdown Voltage and Dielectric Properties of Palm Oil As Insulating Liquid with The Presence of Copper Particles. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	A New Flashover Prediction on Outdoor Polluted Insulator Using Leakage Current Harmonic Components. , 2018, , .		8
20	Characterization of Electrical Stress of Natural Ester Under Impulse Empirical Analysis. , 2018, , .		0
21	Heart abnormality activity detection using multilayer perceptron (MLP) network. , 2018, , .		7
22	Lightning impulse investigation on vegetables oils and simulation of electric field distribution. Journal of Fundamental and Applied Sciences, 2018, 9, 373.	0.2	2
23	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
24	An investigation on rapeseed oil as potential insulating liquid. AIP Conference Proceedings, 2018, , .	0.4	7
25	Hypervelocity penetration against mechanical properties of target materials. AIP Conference Proceedings, 2018, , .	0.4	0
26	Heart abnormality activity detection using Radial Basis Function (RBF). Journal of Fundamental and Applied Sciences, 2018, 9, 308.	0.2	0
27	Comparative study on activation function based heart abnormality activity. Journal of Fundamental and Applied Sciences, 2018, 9, 61.	0.2	1
28	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
29	Study and design of U-shaped patch antenna for multiband application. Journal of Fundamental and Applied Sciences, 2018, 9, 578.	0.2	1
30	Dissolved Gas Analysis (DGA) of natural ester oils under arcing faults. Journal of Fundamental and Applied Sciences, 2018, 9, 105.	0.2	1
31	Heart abnormality detection by using artificial neural network. Journal of Fundamental and Applied Sciences, 2018, 9, 1.	0.2	0
32	Tansig activation function (of MLP network) for cardiac abnormality detection. AIP Conference Proceedings, 2018, , .	0.4	5
33	Study on Gadolinium and LaFe11.5Si1.5 compound as refrigerant for magnetic refrigerator application. AIP Conference Proceedings, 2018, , .	0.4	4
34	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
35	Ageing effect of vegetable oils impregnated paper in transformer application. , 2017, , .		10
36	Partial discharge investigation on palm oil using needle " Plane electrode configuration and electric field distribution using ANSYS Maxwell. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	Dissolved gas analysis (DGA) of vegetable oils under electrical stress. , 2017, , .		9
38	Investigation on AC breakdown of vegetable oils with insulated electrodes. , 2017, , .		5
39	Design and Optimization of UHF Partial Discharge Sensors using FDTD Modeling. IEEE Sensors Journal, 2016, , 1-1.	4.7	26
40	Designing thermal model of a liquid immersed power transformer using MATLAB. AIP Conference Proceedings, 2016, , .	0.4	0
41	Investigation on breakdown strength of mineral oil based carbon nanotube. , 2016, , .		4
42	Dielectric properties of natural ester oils used for transformer application under temperature variation. , 2016, , .		32
43	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
44	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
45	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
46	A study on the AC breakdown voltages of as-received palm oil and coconut oil under presence of TiO <sub>2</sub> . , 2015, , .		5
47	Behavior of Biodegradable Oil under Impulse Voltages. Applied Mechanics and Materials, 2015, 785, 320-324.	0.2	5
48	Electrical responses of piezoelectric device. , 2014, , .		5
49	Investigation on the lightning breakdown voltage of Palm Oil and Coconut Oil under non-uniform field. , 2014, , .		3
50	Examination on the lightning breakdown strength of biodegradable oil under quasi-uniform field. , 2014, , .		7
51	A study on the dielectric properties of Palm Oil and Coconut Oil. , 2014, , .		19
52	Correlation of furfural and moisture content with age of transformers. , 2013, , .		5
53	Transformer hotspot temperature calculation using IEEE loading guide. , 2008, , .		14
54	Effect on Heat Treatment and Doping of Cubic NaZn <sub>13</sub> -Type La <sub>0.7</sub> Pr <sub>0.3</sub> (Fe,Si) <sub>13</sub> for Magnetic Refrigerator Application. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Electrical Properties and Raman Scattering of Palm Oil Based Carbon Nanotube. Key Engineering Materials, 0, 908, 343-347.	0.4	1