

Zulkurnain Abdul-Malek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6034177/publications.pdf>

Version: 2024-02-01

164
papers

1,879
citations

331259

21
h-index

360668

35
g-index

167
all docs

167
docs citations

167
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	Load-frequency control in an islanded microgrid PV/WT/FC/ESS using an optimal self-tuning fractional-order fuzzy controller. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71677-71688.	2.7	34
2	Stability and dynamic analysis of a grid-connected environmentally friendly photovoltaic energy system. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71701-71713.	2.7	4
3	New modified algorithm: \hat{I}_t -turbulent flow of water-based optimization. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71726-71740.	2.7	4
4	Technical-economic framework for designing of water pumping system based on photovoltaic clean energy with water storage for drinking application. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71754-71765.	2.7	2
5	A novel technique for condition monitoring of metal oxide surge arrester based on fifth harmonic resistive current. <i>Electric Power Systems Research</i> , 2022, 202, 107576.	2.1	6
6	In-depth exploration of partial discharge modelling methods within insulations. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100390.	2.1	7
7	Pollution Flashover Voltage of Transmission Line Insulators: Systematic Review of Experimental Works. <i>IEEE Access</i> , 2022, 10, 10416-10444.	2.6	8
8	Sustainable Electroporator for Continuous Pasteurisation: Design and Performance Evaluation with Orange Juice. <i>Sustainability</i> , 2022, 14, 1896.	1.6	3
9	SF ₆ Decomposed Component Analysis for Partial Discharge Diagnosis in GIS: A Review. <i>IEEE Access</i> , 2022, 10, 27270-27288.	2.6	15
10	Polymeric Insulator Conditions Estimation by Using Leakage Current Characteristics Based on Simulation and Experimental Investigation. <i>Polymers</i> , 2022, 14, 737.	2.0	10
11	Investigation of High Voltage Polymeric Insulators Performance under Wet Pollution. <i>Polymers</i> , 2022, 14, 1236.	2.0	7
12	Effect of Rutile Phase Titanium Oxide Nanofiller on the Dielectric Properties of Polypropylene Nanocomposites. , 2022, , .		0
13	Flashover voltage of porcelain insulator under various pollution distributions: Experiment and modeling. <i>Electric Power Systems Research</i> , 2022, 208, 107867.	2.1	13
14	Deterministic and probabilistic multi-objective placement and sizing of wind renewable energy sources using improved spotted hyena optimizer. <i>Journal of Cleaner Production</i> , 2021, 286, 124941.	4.6	54
15	Carrier wave optimization for multi-level photovoltaic system to improvement of power quality in industrial environments based on Salp swarm algorithm. <i>Environmental Technology and Innovation</i> , 2021, 21, 101197.	3.0	23
16	Comparative evaluation of hybrid photovoltaic, wind, tidal and fuel cell clean system design for different regions with remote application considering cost. <i>Journal of Cleaner Production</i> , 2021, 283, 124207.	4.6	68
17	Effective valorization of food wastes and by-products through pulsed electric field: A systematic review. <i>Journal of Food Process Engineering</i> , 2021, 44, e13629.	1.5	47
18	Resistive component extraction of leakage current in metal oxide surge arrester: A hybrid method. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 173, 108588.	2.5	17

#	ARTICLE	IF	CITATIONS
19	An Effective Algorithm for MAED Problems with a New Reliability Model at the Microgrid. Electronics (Switzerland), 2021, 10, 257.	1.8	8
20	Structure-Dielectric Property Relationship in Polypropylene/Multi-Element Oxide Nanocomposites. IEEE Nanotechnology Magazine, 2021, 20, 377-385.	1.1	5
21	Assessment of carbon footprint from transportation, electricity, water, and waste generation: towards utilisation of renewable energy sources. Clean Technologies and Environmental Policy, 2021, 23, 183-201.	2.1	31
22	Spotted hyena optimizer algorithm for capacitor allocation in radial distribution system with distributed generation and microgrid operation considering different load types. Scientific Reports, 2021, 11, 2728.	1.6	46
23	Depolarization Ratio Index (DRI) as alternative method in identifying oil-filled transformer internal faults. Electrical Engineering, 2021, 103, 2685-2704.	1.2	3
24	Multi-criteria optimal design of hybrid clean energy system with battery storage considering off- and on-grid application. Journal of Cleaner Production, 2021, 290, 125808.	4.6	57
25	A Newly-Developed Control Method for Harmonic Mitigation in PV Grid-Connected Inverters Under Electric Arc Furnaces in Industrial Microgrids. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012023.	0.3	0
26	Polypropylene-based nanocomposites for HVDC cable insulation. IET Nanodielectrics, 2021, 4, 84-97.	2.0	16
27	Pulsed electric field: A potential alternative towards a sustainable food processing. Trends in Food Science and Technology, 2021, 111, 43-54.	7.8	119
28	A multi-criteria framework for designing of stand-alone and grid-connected photovoltaic, wind, battery clean energy system considering reliability and economic assessment. Energy, 2021, 224, 120154.	4.5	22
29	Analyzing Utilization of Biomass in Combined Heat and Power and Combined Cooling, Heating, and Power Systems. Processes, 2021, 9, 1002.	1.3	5
30	Effects of Plasma Treated Alumina Nanoparticles on Breakdown Strength, Partial Discharge Resistance, and Thermophysical Properties of Mineral Oil-Based Nanofluids. Materials, 2021, 14, 3610.	1.3	11
31	A multi-objective artificial electric field optimization algorithm for allocation of wind turbines in distribution systems. Applied Soft Computing Journal, 2021, 105, 107278.	4.1	17
32	Investigation of SF ₆ Decomposition Under Partial Discharge Induced by Protrusion Defect. , 2021, , .		0
33	Trending of SF ₆ Decomposition By-Products Characteristics Under Artificially Induced PD in GIS. , 2021, , .		1
34	Effect of Titanium oxide Nanofiller on the Electrical Properties of Polypropylene Nanocomposites for HVDC Insulation. , 2021, , .		1
35	Classification of Partial Discharge Sources by SF ₆ Decomposition By-Products. , 2021, , .		0
36	Design of GIS Defects for Partial Discharge Induced SF ₆ Decomposition. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Ageing Classification of Metal Oxide Surge Arrester Using Its Power Factor. , 2021, , .		1
38	Air Bubble in Liquid Food under Pulsed Electric Field Pasteurization using Coaxial Chamber. , 2021, , .		0
39	Resistive Leakage Current Based Condition Assessment of Zinc Oxide Surge Arrester: A Review. , 2021, , .		5
40	Pollution Flashover Characteristics of Coated Insulators under Different Profiles of Coating Damage. Coatings, 2021, 11, 1194.	1.2	18
41	Sizing and economic analysis of stand-alone hybrid photovoltaic-wind system for rural electrification: A case study Lundu, Sarawak. Cleaner Engineering and Technology, 2021, 4, 100191.	2.1	10
42	Simulation Study of Coaxial Treatment Chambers for PEF Pasteurization: A Critical Review. International Journal of Online and Biomedical Engineering, 2021, 17, 93-107.	0.9	1
43	An Improved Electroporator With Continuous Liquid Flow and Double-Exponential Waveform for Liquid Food Pasteurization. IEEE Access, 2021, 9, 147732-147742.	2.6	5
44	Effects of Soil Uniformity on Radial Electric Field of Lightning Electromagnetic Pulse. , 2021, , .		0
45	Optimal designing of static var compensator to improve voltage profile of power system using fuzzy logic control. Energy, 2020, 192, 116665.	4.5	31
46	Effect of COVID-19 virus on reducing GHG emission and increasing energy generated by renewable energy sources: A brief study in Malaysian context. Environmental Technology and Innovation, 2020, 20, 101151.	3.0	68
47	Meta-heuristic matrix mothâ€œflame algorithm for optimal reconfiguration of distribution networks and placement of solar and wind renewable sources considering reliability. Environmental Technology and Innovation, 2020, 20, 101118.	3.0	64
48	Sustainable and reliable hybrid AC/DC microgrid planning considering technology choice of equipment. Sustainable Energy, Grids and Networks, 2020, 23, 100386.	2.3	25
49	Artificial neural network application in an implemented lightning locating system. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 210, 105437.	0.6	3
50	Electrical systems for pulsed electric field applications in the food industry: An engineering perspective. Trends in Food Science and Technology, 2020, 104, 1-13.	7.8	119
51	Optimal SSSC-based power damping inter-area oscillations using firefly and harmony search algorithms. Scientific Reports, 2020, 10, 12176.	1.6	2
52	Classification of Partial Discharge Fault Sources on SFâ† Insulated Switchgear Based on Twelve By-Product Gases Random Forest Pattern Recognition. IEEE Access, 2020, 8, 212659-212674.	2.6	14
53	Optimal allocation for combined heat and power system with respect to maximum allowable capacity for reduced losses and improved voltage profile and reliability of microgrids considering loading condition. Energy, 2020, 196, 117124.	4.5	62
54	Circuit-Based Model Grounding Electrode Considering Frequency Dependent of Soil Resistivity and Relative Permittivity. Lecture Notes in Electrical Engineering, 2020, , 87-92.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Ageing Detection of Metal Oxide Surge Arrester using Fifth Harmonic Resistive Current. , 2020, , .		5
56	A Multi-Objective Optimization Problem for Optimal Site Selection of Wind Turbines for Reduce Losses and Improve Voltage Profile of Distribution Grids. Energies, 2019, 12, 2621.	1.6	20
57	Control Method for Three-Phase Grid-Connected Inverter PV System Employing Unity Power Factor (UPF) Strategy in Microgrid. E3S Web of Conferences, 2019, 115, 01006.	0.2	1
58	Initial electric field changes of lightning flashes in tropical thunderstorms and their relationship to the lightning initiation mechanism. Atmospheric Research, 2019, 226, 138-151.	1.8	10
59	Hierarchical control strategy for a three-phase 4-wire microgrid under unbalanced and nonlinear load conditions. ISA Transactions, 2019, 94, 352-369.	3.1	25
60	Detecting Sensor Coordination in a Calibrated Lightning Locating System. , 2019, , .		2
61	Hardware Installation of Lightning Locating System Using Time Difference of Arrival Method. , 2019, , .		3
62	Hardware and Software Implementation of Magnetic Direction Finding Sensors. , 2019, , .		2
63	Study of electric field distribution in the high voltage stator bar insulation in presence of different shapes, locations and sizes of cavities. AIP Conference Proceedings, 2019, , .	0.3	3
64	Optimal, Reliable and Cost-Effective Framework of Photovoltaic-Wind-Battery Energy System Design Considering Outage Concept Using Grey Wolf Optimizer Algorithm” Case Study for Iran. IEEE Access, 2019, 7, 182611-182623.	2.6	35
65	Simulation and Analysis of Electric Field Distributions in Stator Bar Insulation System with Different Arrangement of Cavities. , 2019, , .		1
66	Identification of acoustic signals of corona discharges under different contamination levels using wavelet transform. Electrical Engineering, 2018, 100, 1059-1067.	1.2	7
67	Discriminating cloud to ground lightning flashes based on wavelet analysis of electric field signals. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 181, 127-140.	0.6	14
68	Improved Voltage Unbalance and Harmonics Compensation Control Strategy for an Isolated Microgrid. Energies, 2018, 11, 2688.	1.6	16
69	Distance Effect on Lightning Electromagnetic Pulse over Lossy Ground. , 2018, , .		2
70	Techniques for Analysis of Chaotic Pulse Trains Generated by Lightning: A Review. , 2018, , .		0
71	A Harmonic Compensation Strategy in a Grid-Connected Photovoltaic System Using Zero-Sequence Control. Energies, 2018, 11, 2629.	1.6	11
72	Synthesis of Highly Crystalline Needle-Like Silicon Nanowires for Enhanced Field Emission Applications. Silicon, 2017, 9, 379-384.	1.8	3

#	ARTICLE	IF	CITATIONS
73	A new soil ionization model for grounding electrodes. International Transactions on Electrical Energy Systems, 2017, 27, e2266.	1.2	3
74	The upshot of hybrid defects in coaxial gas insulated switchgear. , 2017, , .		0
75	Comparison of the effect of fixed metallic defects in coaxial gas insulated switchgear condition monitoring. , 2017, , .		0
76	Sulphur hexafluoride gas decomposition products of fixed metallic defect in coaxial gas insulated switchgear. , 2017, , .		0
77	Conductive and Inductive Coupling between Faulted Power Lines and Buried Pipeline by Considering the Effect of Soil Structure. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 5, 656.	0.7	2
78	Chemical by-Product Diagnostic Technique for Gas Insulated Switchgear Condition Monitoring. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 7, 18.	0.7	6
79	Status Review on Gas Insulated Switchgear Partial Discharge Diagnostic Technique for Preventive Maintenance. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 7, 9.	0.7	9
80	Leakage Current Based Thermal Modeling of Glass Disc Insulator Surface. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 6, 504.	0.7	2
81	Aging Detection of Glass Disc Insulator by using Infrared Camera. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 6, 520.	0.7	0
82	The effect of soil ionization on transient grounding electrode resistance in non-homogeneous soil conditions. International Transactions on Electrical Energy Systems, 2016, 26, 1462-1475.	1.2	9
83	Assessment of Series Compensator for Ferroresonance Damping in Power System. Applied Mechanics and Materials, 2016, 818, 74-78.	0.2	1
84	Wavelet analysis of chaotic pulse trains prior to subsequent return strokes in Malaysia. , 2016, , .		2
85	A critical review on soil ionisation modelling for grounding electrodes. Archives of Electrical Engineering, 2016, 65, 449-461.	1.0	20
86	Statistical analysis of electric field parameters for negative lightning in Malaysia. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 146, 69-80.	0.6	25
87	A Review of Recent Studies on Positive Lightning. Applied Mechanics and Materials, 2016, 818, 134-139.	0.2	3
88	Nonlinear Resonance Suppression as Distorting and Saturating Source in Voltage and Current of Power Transformer: UPFC and STATCOM Performance Evaluation. Applied Mechanics and Materials, 2016, 818, 79-85.	0.2	0
89	The role of silane gas flow rate on PECVD-assisted fabrication of silicon nanowires. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	1
90	Sol-gel grown Fe-doped ZnO nanoparticles: antibacterial and structural behaviors. Journal of Sol-Gel Science and Technology, 2016, 78, 91-98.	1.1	56

#	ARTICLE	IF	CITATIONS
91	Partial Discharge Characteristics in LLDPE-Natural Rubber Blends: Correlating Electrical Quantities with Surface Degradation. Journal of Electrical Engineering and Technology, 2016, 11, 699-706.	1.2	7
92	Induced Voltages on a Gas Pipeline due to Lightning Strikes on Nearby Overhead Transmission Line. International Journal of Electrical and Computer Engineering, 2016, 6, 495.	0.5	5
93	Integration of Frequency Dependent Soil Electrical Properties in Grounding Electrode Circuit Model. International Journal of Electrical and Computer Engineering, 2016, 6, 792.	0.5	5
94	AC Interference on Gas Pipeline due to Phase to Ground Faults in Overhead Transmission Line. International Journal of Electrical and Computer Engineering, 2016, 6, 1363.	0.5	2
95	Characteristic of preliminary breakdown preceding negative return stroke in Malaysia. , 2015, , .		7
96	Partial discharge monitoring technique for research purpose on solid insulating material. , 2015, , .		2
97	A Comparative Study on the Positive Lightning Return Stroke Electric Fields in Different Meteorological Conditions. Advances in Meteorology, 2015, 2015, 1-12.	0.6	22
98	Modeling of Time of Arrival Method for Lightning Locating Systems. Advances in Meteorology, 2015, 2015, 1-12.	0.6	8
99	Surface arcing of insulators due to bentonite contamination. Journal of Electrostatics, 2015, 76, 73-77.	1.0	10
100	Influences of magnetic fields on current-voltage characteristics of gold-DNA-gold structure with variable gaps. Materials Science in Semiconductor Processing, 2015, 36, 134-139.	1.9	8
101	Partial Discharge Detection and Localization in Power Transformer Windings. Applied Mechanics and Materials, 2014, 554, 578-582.	0.2	0
102	Temperature and Magnetic Field Driven Modifications in the I-V Features of Gold-DNA-Gold Structure. Sensors, 2014, 14, 19229-19241.	2.1	14
103	Effect of Ambient Temperature Zinc Oxide Surge Arrester Condition Monitoring. Applied Mechanics and Materials, 2014, 554, 573-577.	0.2	4
104	Changes of PDC measurement pattern on services mineral oil filled power transformer after experienced faults. , 2014, , .		0
105	Surge Arrester Leakage Current Analysis by Using Particle Swarm Optimization Technique. Applied Mechanics and Materials, 2014, 554, 608-612.	0.2	2
106	The Impacts of Hybrid Connection Pumped Storage Hydropower and Wind Power in Iranian Grid. Applied Mechanics and Materials, 2014, 554, 603-607.	0.2	1
107	Statistical analysis of lightning electric field measured under Malaysian condition. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 133-137.	1.3	20
108	Vertically-tapered silicon nanowire arrays prepared by plasma enhanced chemical vapor deposition: Synthesis, structural characterization and photoluminescence. Materials Science in Semiconductor Processing, 2014, 27, 26-32.	1.9	6

#	ARTICLE	IF	CITATIONS
109	Investigation of growth behavior and properties of Si nanowires grown at various supply times of Ar gas current. Applied Physics A: Materials Science and Processing, 2014, 115, 867-872.	1.1	1
110	Statistical Analysis of Lightning Electric Field Measured Under Equatorial Region Condition. Procedia Technology, 2013, 11, 525-531.	1.1	17
111	Partial discharge and mechanical characteristics of NR-LLDPE-TiO ₂ -coconut coir fibre. , 2013, , .		0
112	Influence of nano-titanium dioxide (TiO ₂) on electrical tree characteristics in silicone rubber based nanocomposite. , 2013, , .		10
113	Application of PDC analysis to identify effect of overheating on dielectric response and conductivity of mineral insulating oil of in-services transformers. , 2013, , .		5
114	Comparative study of lightning models with lightning discharges in Malaysia. , 2013, , .		8
115	Localised Single-Station Lightning Detection by Using TOA Method. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	8
116	Investigation of Ferroresonance Mitigation Techniques in Voltage Transformer Using ATP-EMTP Simulation. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	4
117	Effect of Ambient Temperature on Leakage Current of Gapless Metal Oxide Surge Arrester. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	6
118	Solar Array and Battery Sizing for a Photovoltaic Building in Malaysia. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	5
119	Thermal Image and Leakage Current Diagnostic as a Tool for Testing and Condition Monitoring of ZnO Surge Arrester. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	5
120	Investigation of Short Base Line Lightning Detection System by Using Time of Arrival Method. Advances in Intelligent Systems and Computing, 2013, , 141-147.	0.5	13
121	Statistical Analysis of Electrical Tree Inception Voltage, Breakdown Voltage and Tree Breakdown Time Data of Unsaturated Polyester Resin. Journal of Electrical Engineering and Technology, 2013, 8, 840-849.	1.2	4
122	Investigation on the Probability of Ferroresonance Phenomenon Occurrence in Distribution Voltage Transformers Using ATP Simulation. Advances in Intelligent Systems and Computing, 2013, , 149-155.	0.5	1
123	Effects of oil palm empty fruit bunch filler on electrical tree propagation in Epoxy resin. , 2012, , .		2
124	Effects of gas pressure on the synthesis and photoluminescence properties of Si nanowires in VHF-PECVD method. Applied Physics A: Materials Science and Processing, 2012, 108, 739-744.	1.1	11
125	Effect of shunt capacitance on ferroresonance model for distribution Voltage Transformer. , 2012, , .		3
126	A New Statistical Approach for Analysis of Tree Inception Voltage of Silicone Rubber and Epoxy Resin under AC Ramp Voltage. International Journal on Electrical Engineering and Informatics, 2012, 4, 27-39.	0.3	9

#	ARTICLE	IF	CITATIONS
127	Simulation of Lightning Flash in Time of Arrival (TOA) Method by Using Three Broadband Antennas. , 2011, , .		5
128	Development of severity index in medium voltage underground cable using partial discharge mapping. , 2011, , .		2
129	Simulation of Lightning Flash and Detection Using Time of Arrival Method Based on Four Broadband Antennas. , 2011, , .		1
130	Measurement of vertical Electric fields from lightning flashes using parallel plate antenna. , 2011, , .		9
131	On the concern of aged Lightning Air Terminal's capturing capability and improvement by mean of chemical treatment. , 2011, , .		0
132	Induced Voltages on Aerial Natural Gas Pipeline due to Lightning Interaction with 132 kV Double-Circuit Transmission Line. , 2011, , .		0
133	Characteristics of narrow bipolar pulses observed in Malaysia. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 534-540.	0.6	47
134	Modeling induced voltages on ends of suspended conductor to locate nearby lightning. , 2010, , .		2
135	Shielding failure analysis of 132 kV transmission line shielded by surge arresters associated with multiple strokes lightning. , 2010, , .		5
136	Time-to-thunder method of lightning distance determination. , 2010, , .		7
137	A new source of renewable energy from lightning stroke: A small scale system. , 2010, , .		3
138	Performance analysis of modified shifted current method for surge arrester condition monitoring. , 2010, , .		12
139	Waveform and location analyses of localised lightning locating system. , 2010, , .		0
140	Performance of multi-column MOVs for C class protection of AC power circuits. , 2008, , .		2
141	A new localised lightning locating system utilising telecommunication subscriber lines. , 2008, , .		3
142	A new method to extract the resistive component of the metal oxide surge arrester leakage current. , 2008, , .		28
143	Life Assessment of Power Transformers via Paper Ageing Analysis. , 2007, , .		11
144	Current disparity in multi-column surge arresters. IET Generation, Transmission and Distribution, 2005, 152, 945.	1.1	8

#	ARTICLE	IF	CITATIONS
145	Co-ordination of spark-gap protection with zinc-oxide surge arresters. IET Generation, Transmission and Distribution, 2001, 148, 21.	1.1	13
146	A new rotating spark gap design. Review of Scientific Instruments, 1997, 68, 4604-4608.	0.6	8
147	Condition Monitoring of Zinc Oxide Surge Arresters. , 0, , .		5
148	Three-Dimensional Potential and Electric Field Distributions in HV Cable Insulation Containing Multiple Cavities. Advanced Materials Research, 0, 845, 372-377.	0.3	14
149	Implementation of Wireless Thermal Camera Remote Control System. Applied Mechanics and Materials, 0, 554, 561-565.	0.2	0
150	Return Strokes Measurements of Electric Field Produced by Lightning Discharges in Malaysia. Applied Mechanics and Materials, 0, 554, 618-622.	0.2	8
151	Partial Discharge Characteristic of Low Density Polyethylene and Silica Nanocomposite. Applied Mechanics and Materials, 0, 554, 133-136.	0.2	4
152	Observation of Isolated Breakdown Lightning Flashes in a Tropical Region. Applied Mechanics and Materials, 0, 554, 583-587.	0.2	6
153	Correlation between Third Harmonic Leakage Current and Thermography Image of Zinc Oxide Surge Arrester for Fault Monitoring Using Artificial Neural Network. Applied Mechanics and Materials, 0, 554, 598-602.	0.2	10
154	The Effect of Grounding Electrode Parameters on Soil Ionization and Transient Grounding Resistance Using Electromagnetic Field Approach. Applied Mechanics and Materials, 0, 554, 628-632.	0.2	9
155	Study on the Vertical Component of Lightning Electric Field during Monsoon Period in Malaysia. Applied Mechanics and Materials, 0, 554, 623-627.	0.2	6
156	The Effect of Magnitude and Shape of Applied Voltage on the Partial Discharge Behavior in Cylindrical Cavity within a Dielectric Material. Applied Mechanics and Materials, 0, 554, 593-597.	0.2	1
157	Investigation of the Electrical Resistivity of 20 μ m-Gap Gold-DNA-Gold Structure: Exploiting the Current-Voltage Characteristics under a Variable External Magnetic Field. Applied Mechanics and Materials, 0, 554, 155-159.	0.2	4
158	Neutral Networks for Fault Classification: Comparison between Feed-Forward Back-Propagation, RBF and LVQ Neural Network. Applied Mechanics and Materials, 0, 818, 96-100.	0.2	2
159	First Order Statistical Features Thermal Images for Surge Arrester Fault Classification. Applied Mechanics and Materials, 0, 818, 91-95.	0.2	1
160	Statistical Analysis of Breakdown Voltages in Virgin and Aged LDPE Using Johnson S<sub>B</sub> and Weibull Distribution. Applied Mechanics and Materials, 0, 818, 58-62.	0.2	2
161	An Economic Assessment of Hybrid Renewable Energy for a Remote Area Electrification in Iran. Applied Mechanics and Materials, 0, 818, 151-155.	0.2	2
162	Cloud-to-Ground Lightning in Malaysia: A Review Study. Applied Mechanics and Materials, 0, 818, 140-145.	0.2	9

#	ARTICLE	IF	CITATIONS
163	Assessment of Series Compensator for Ferroresonance Damping in Power System. Applied Mechanics and Materials, 0, 818, 101-105.	0.2	1
164	Lightning Location and Mapping System Using Time Difference of Arrival (TDoA) Technique. , 0, , .		2