

Zulkurnain Abdul-Malek

List of Publications by Year in descending order

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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	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
2	Pulsed electric field: A potential alternative towards a sustainable food processing. Trends in Food Science and Technology, 2021, 111, 43-54.	7.8	119
3	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
4	Comparative evaluation of hybrid photovoltaic, wind, tidal and fuel cell clean system design for different regions with remote application considering cost. Journal of Cleaner Production, 2021, 283, 124207.	4.6	68
5	Meta-heuristic matrix moth-flame 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
6	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
7	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
8	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
9	Deterministic and probabilistic multi-objective placement and sizing of wind renewable energy sources using improved spotted hyena optimizer. Journal of Cleaner Production, 2021, 286, 124941.	4.6	54
10	Characteristics of narrow bipolar pulses observed in Malaysia. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 534-540.	0.6	47
11	Effective valorization of food wastes and by-products through pulsed electric field: A systematic review. Journal of Food Process Engineering, 2021, 44, e13629.	1.5	47
12	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
13	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
14	Load-frequency control in an islanded microgrid PV/WT/FC/ESS using an optimal self-tuning fractional-order fuzzy controller. Environmental Science and Pollution Research, 2023, 30, 71677-71688.	2.7	34
15	Optimal designing of static var compensator to improve voltage profile of power system using fuzzy logic control. Energy, 2020, 192, 116665.	4.5	31
16	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
17	A new method to extract the resistive component of the metal oxide surge arrester leakage current. , 2008, , .		28
18	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

#	ARTICLE	IF	CITATIONS
19	Hierarchical control strategy for a three-phase 4-wire microgrid under unbalanced and nonlinear load conditions. <i>ISA Transactions</i> , 2019, 94, 352-369.	3.1	25
20	Sustainable and reliable hybrid AC/DC microgrid planning considering technology choice of equipment. <i>Sustainable Energy, Grids and Networks</i> , 2020, 23, 100386.	2.3	25
21	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
22	A Comparative Study on the Positive Lightning Return Stroke Electric Fields in Different Meteorological Conditions. <i>Advances in Meteorology</i> , 2015, 2015, 1-12.	0.6	22
23	A multi-criteria framework for designing of stand-alone and grid-connected photovoltaic, wind, battery clean energy system considering reliability and economic assessment. <i>Energy</i> , 2021, 224, 120154.	4.5	22
24	Statistical analysis of lightning electric field measured under Malaysian condition. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2014, 50, 133-137.	1.3	20
25	A critical review on soil ionisation modelling for grounding electrodes. <i>Archives of Electrical Engineering</i> , 2016, 65, 449-461.	1.0	20
26	A Multi-Objective Optimization Problem for Optimal Site Selection of Wind Turbines for Reduce Losses and Improve Voltage Profile of Distribution Grids. <i>Energies</i> , 2019, 12, 2621.	1.6	20
27	Pollution Flashover Characteristics of Coated Insulators under Different Profiles of Coating Damage. <i>Coatings</i> , 2021, 11, 1194.	1.2	18
28	Statistical Analysis of Lightning Electric Field Measured Under Equatorial Region Condition. <i>Procedia Technology</i> , 2013, 11, 525-531.	1.1	17
29	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
30	A multi-objective artificial electric field optimization algorithm for allocation of wind turbines in distribution systems. <i>Applied Soft Computing Journal</i> , 2021, 105, 107278.	4.1	17
31	Improved Voltage Unbalance and Harmonics Compensation Control Strategy for an Isolated Microgrid. <i>Energies</i> , 2018, 11, 2688.	1.6	16
32	Polypropylene-based nanocomposites for HVDC cable insulation. <i>IET Nanodielectrics</i> , 2021, 4, 84-97.	2.0	16
33	SF ₆ Decomposed Component Analysis for Partial Discharge Diagnosis in GIS: A Review. <i>IEEE Access</i> , 2022, 10, 27270-27288.	2.6	15
34	Three-Dimensional Potential and Electric Field Distributions in HV Cable Insulation Containing Multiple Cavities. <i>Advanced Materials Research</i> , 0, 845, 372-377.	0.3	14
35	Temperature and Magnetic Field Driven Modifications in the I-V Features of Gold-DNA-Gold Structure. <i>Sensors</i> , 2014, 14, 19229-19241.	2.1	14
36	Discriminating cloud to ground lightning flashes based on wavelet analysis of electric field signals. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 181, 127-140.	0.6	14

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37	Classification of Partial Discharge Fault Sources on SF ₆ Insulated Switchgear Based on Twelve By-Product Gases Random Forest Pattern Recognition. IEEE Access, 2020, 8, 212659-212674.	2.6	14
38	Co-ordination of spark-gap protection with zinc-oxide surge arresters. IET Generation, Transmission and Distribution, 2001, 148, 21.	1.1	13
39	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
40	Flashover voltage of porcelain insulator under various pollution distributions: Experiment and modeling. Electric Power Systems Research, 2022, 208, 107867.	2.1	13
41	Performance analysis of modified shifted current method for surge arrester condition monitoring. , 2010, , .		12
42	Life Assessment of Power Transformers via Paper Ageing Analysis. , 2007, , .		11
43	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
44	A Harmonic Compensation Strategy in a Grid-Connected Photovoltaic System Using Zero-Sequence Control. Energies, 2018, 11, 2629.	1.6	11
45	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
46	Influence of nano-titanium dioxide (TiO ₂) on electrical tree characteristics in silicone rubber based nanocomposite. , 2013, , .		10
47	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
48	Surface arcing of insulators due to bentonite contamination. Journal of Electrostatics, 2015, 76, 73-77.	1.0	10
49	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
50	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
51	Polymeric Insulator Conditions Estimation by Using Leakage Current Characteristics Based on Simulation and Experimental Investigation. Polymers, 2022, 14, 737.	2.0	10
52	Measurement of vertical Electric fields from lightning flashes using parallel plate antenna. , 2011, , .		9
53	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
54	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

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55	Cloud-to-Ground Lightning in Malaysia: A Review Study. Applied Mechanics and Materials, 0, 818, 140-145.	0.2	9
56	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
57	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
58	A new rotating spark gap design. Review of Scientific Instruments, 1997, 68, 4604-4608.	0.6	8
59	Current disparity in multi-column surge arresters. IET Generation, Transmission and Distribution, 2005, 152, 945.	1.1	8
60	Comparative study of lightning models with lightning discharges in Malaysia. , 2013, , .		8
61	Localised Single-Station Lightning Detection by Using TOA Method. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlo 0.3		8
62	Return Strokes Measurements of Electric Field Produced by Lightning Discharges in Malaysia. Applied Mechanics and Materials, 0, 554, 618-622.	0.2	8
63	Modeling of Time of Arrival Method for Lightning Locating Systems. Advances in Meteorology, 2015, 2015, 1-12.	0.6	8
64	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
65	An Effective Algorithm for MAED Problems with a New Reliability Model at the Microgrid. Electronics (Switzerland), 2021, 10, 257.	1.8	8
66	Pollution Flashover Voltage of Transmission Line Insulators: Systematic Review of Experimental Works. IEEE Access, 2022, 10, 10416-10444.	2.6	8
67	Time-to-thunder method of lightning distance determination. , 2010, , .		7
68	Characteristic of preliminary breakdown preceding negative return stroke in Malaysia. , 2015, , .		7
69	Identification of acoustic signals of corona discharges under different contamination levels using wavelet transform. Electrical Engineering, 2018, 100, 1059-1067.	1.2	7
70	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
71	In-depth exploration of partial discharge modelling methods within insulations. Cleaner Engineering and Technology, 2022, 6, 100390.	2.1	7
72	Investigation of High Voltage Polymeric Insulators Performance under Wet Pollution. Polymers, 2022, 14, 1236.	2.0	7

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73	Effect of Ambient Temperature on Leakage Current of Gapless Metal Oxide Surge Arrester. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	6
74	Observation of Isolated Breakdown Lightning Flashes in a Tropical Region. Applied Mechanics and Materials, 0, 554, 583-587.	0.2	6
75	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
76	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
77	A novel technique for condition monitoring of metal oxide surge arrester based on fifth harmonic resistive current. Electric Power Systems Research, 2022, 202, 107576.	2.1	6
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	Shielding failure analysis of 132 kV transmission line shielded by surge arresters associated with multiple strokes lightning. , 2010, , .		5
80	Simulation of Lightning Flash in Time of Arrival (TOA) Method by Using Three Broadband Antennas. , 2011, , .		5
81	Condition Monitoring of Zinc Oxide Surge Arresters. , 0, , .		5
82	Application of PDC analysis to identify effect of overheating on dielectric response and conductivity of mineral insulating oil of in-services transformers. , 2013, , .		5
83	Solar Array and Battery Sizing for a Photovoltaic Building in Malaysia. Jurnal Teknologi (Sciences and Engineering) 11(03): 1-10, 2013.	0.3	5
84	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
85	Structure-Dielectric Property Relationship in Polypropylene/Multi-Element Oxide Nanocomposites. IEEE Nanotechnology Magazine, 2021, 20, 377-385.	1.1	5
86	Analyzing Utilization of Biomass in Combined Heat and Power and Combined Cooling, Heating, and Power Systems. Processes, 2021, 9, 1002.	1.3	5
87	Resistive Leakage Current Based Condition Assessment of Zinc Oxide Surge Arrester: A Review. , 2021, , .		5
88	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
89	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
90	Ageing Detection of Metal Oxide Surge Arrester using Fifth Harmonic Resistive Current. , 2020, , .		5

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91	An Improved Electroporator With Continuous Liquid Flow and Double-Exponential Waveform for Liquid Food Pasteurization. <i>IEEE Access</i> , 2021, 9, 147732-147742.	2.6	5
92	Investigation of Ferroresonance Mitigation Techniques in Voltage Transformer Using ATP-EMTP Simulation. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, .	0.3	4
93	Partial Discharge Characteristic of Low Density Polyethylene and Silica Nanocomposite. <i>Applied Mechanics and Materials</i> , 0, 554, 133-136.	0.2	4
94	Effect of Ambient Temperature Zinc Oxide Surge Arrester Condition Monitoring. <i>Applied Mechanics and Materials</i> , 2014, 554, 573-577.	0.2	4
95	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. <i>Applied Mechanics and Materials</i> , 0, 554, 155-159.	0.2	4
96	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
97	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
98	Statistical Analysis of Electrical Tree Inception Voltage, Breakdown Voltage and Tree Breakdown Time Data of Unsaturated Polyester Resin. <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 840-849.	1.2	4
99	A new localised lightning locating system utilising telecommunication subscriber lines. , 2008, , .		3
100	A new source of renewable energy from lightning stroke: A small scale system. , 2010, , .		3
101	Effect of shunt capacitance on ferroresonance model for distribution Voltage Transformer. , 2012, , .		3
102	A Review of Recent Studies on Positive Lightning. <i>Applied Mechanics and Materials</i> , 2016, 818, 134-139.	0.2	3
103	Synthesis of Highly Crystalline Needle-Like Silicon Nanowires for Enhanced Field Emission Applications. <i>Silicon</i> , 2017, 9, 379-384.	1.8	3
104	A new soil ionization model for grounding electrodes. <i>International Transactions on Electrical Energy Systems</i> , 2017, 27, e2266.	1.2	3
105	Hardware Installation of Lightning Locating System Using Time Difference of Arrival Method. , 2019, , .		3
106	Study of electric field distribution in the high voltage stator bar insulation in presence of different shapes, locations and sizes of cavities. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	3
107	Artificial neural network application in an implemented lightning locating system. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 210, 105437.	0.6	3
108	Depolarization Ratio Index (DRI) as alternative method in identifying oil-filled transformer internal faults. <i>Electrical Engineering</i> , 2021, 103, 2685-2704.	1.2	3

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109	Sustainable Electroporator for Continuous Pasteurisation: Design and Performance Evaluation with Orange Juice. Sustainability, 2022, 14, 1896.	1.6	3
110	Performance of multi-column MOVs for C class protection of AC power circuits. , 2008, , .		2
111	Modeling induced voltages on ends of suspended conductor to locate nearby lightning. , 2010, , .		2
112	Development of severity index in medium voltage underground cable using partial discharge mapping. , 2011, , .		2
113	Effects of oil palm empty fruit bunch filler on electrical tree propagation in Epoxy resin. , 2012, , .		2
114	Surge Arrester Leakage Current Analysis by Using Particle Swarm Optimization Technique. Applied Mechanics and Materials, 2014, 554, 608-612.	0.2	2
115	Partial discharge monitoring technique for research purpose on solid insulating material. , 2015, , .		2
116	Wavelet analysis of chaotic pulse trains prior to subsequent return strokes in Malaysia. , 2016, , .		2
117	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
118	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
119	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
120	Distance Effect on Lightning Electromagnetic Pulse over Lossy Ground. , 2018, , .		2
121	Detecting Sensor Coordination in a Calibrated Lightning Locating System. , 2019, , .		2
122	Hardware and Software Implementation of Magnetic Direction Finding Sensors. , 2019, , .		2
123	Optimal SSSC-based power damping inter-area oscillations using firefly and harmony search algorithms. Scientific Reports, 2020, 10, 12176.	1.6	2
124	Technical-economic framework for designing of water pumping system based on photovoltaic clean energy with water storage for drinking application. Environmental Science and Pollution Research, 2023, 30, 71754-71765.	2.7	2
125	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
126	Lightning Location and Mapping System Using Time Difference of Arrival (TDoA) Technique. , 0, , .		2

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127	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
128	Leakage Current Based Thermal Modeling of Glass Disc Insulator Surface. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 6, 504.	0.7	2
129	Simulation of Lightning Flash and Detection Using Time of Arrival Method Based on Four Broadband Antennas. , 2011, , .		1
130	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
131	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
132	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
133	Assessment of Series Compensator for Ferroresonance Damping in Power System. Applied Mechanics and Materials, 2016, 818, 74-78.	0.2	1
134	First Order Statistical Features Thermal Images for Surge Arrester Fault Classification. Applied Mechanics and Materials, 0, 818, 91-95.	0.2	1
135	Assessment of Series Compensator for Ferroresonance Damping in Power System. Applied Mechanics and Materials, 0, 818, 101-105.	0.2	1
136	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
137	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
138	Simulation and Analysis of Electric Field Distributions in Stator Bar Insulation System with Different Arrangement of Cavities. , 2019, , .		1
139	Trending of SF ₆ Decomposition By-Products Characteristics Under Artificially Induced PD in GIS. , 2021, , .		1
140	Effect of Titanium oxide Nanofiller on the Electrical Properties of Polypropylene Nanocomposites for HVDC Insulation. , 2021, , .		1
141	Ageing Classification of Metal Oxide Surge Arrester Using Its Power Factor. , 2021, , .		1
142	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
143	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
144	Waveform and location analyses of localised lightning locating system. , 2010, , .		0

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145	On the concern of aged Lightning Air Terminal's capturing capability and improvement by mean of chemical treatment. , 2011, , .		0
146	Partial discharge and mechanical characteristics of NR-LLDPE-TiO ₂ -coconut coir fibre. , 2013, , .		0
147	Implementation of Wireless Thermal Camera Remote Control System. Applied Mechanics and Materials, 0, 554, 561-565.	0.2	0
148	Partial Discharge Detection and Localization in Power Transformer Windings. Applied Mechanics and Materials, 2014, 554, 578-582.	0.2	0
149	Changes of PDC measurement pattern on services mineral oil filled power transformer after experienced faults. , 2014, , .		0
150	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
151	The upshot of hybrid defects in coaxial gas insulated switchgear. , 2017, , .		0
152	Comparison of the effect of fixed metallic defects in coaxial gas insulated switchgear condition monitoring. , 2017, , .		0
153	Sulphur hexafluoride gas decomposition products of fixed metallic defect in coaxial gas insulated switchgear. , 2017, , .		0
154	Techniques for Analysis of Chaotic Pulse Trains Generated by Lightning: A Review. , 2018, , .		0
155	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
156	Investigation of SF6 Decomposition Under Partial Discharge Induced by Protrusion Defect. , 2021, , .		0
157	Classification of Partial Discharge Sources by SF6 Decomposition By-Products. , 2021, , .		0
158	Design of GIS Defects for Partial Discharge Induced SF6 Decomposition. , 2021, , .		0
159	Air Bubble in Liquid Food under Pulsed Electric Field Pasteurization using Coaxial Chamber. , 2021, , .		0
160	Induced Voltages on Aerial Natural Gas Pipeline due to Lightning Interaction with 132 kV Double-Circuit Transmission Line. , 2011, , .		0
161	Aging Detection of Glass Disc Insulator by using Infrared Camera. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 6, 520.	0.7	0
162	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

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163	Effects of Soil Uniformity on Radial Electric Field of Lightning Electromagnetic Pulse. , 2021, , .		0
164	Effect of Rutile Phase Titanium Oxide Nanofiller on the Dielectric Properties of Polypropylene Nanocomposites. , 2022, , .		0