B Toan Phung

List of Publications by Year
in descending order

215 papers	3,215 citations	186209 28 h-index	233338 45 g-index
215 all docs	215 docs citations	215 times ranked	2223 citing authors

#	Article	IF	Citations
1	A novel wavelet transform technique for on-line partial discharge measurements. 1. WT de-noising algorithm. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 3-14.	1.8	182
2	Frequency response analysis and short-circuit impedance measurement in detection of winding deformation within power transformers. IEEE Electrical Insulation Magazine, 2013, 29, 33-40.	1.1	142
3	Partial discharge localization in transformers using UHF detection method. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 1891-1900.	1.8	133
4	Development of computer-based measurements and their application to PD pattern analysis. IEEE Transactions on Dielectrics and Electrical Insulation, 1995, 2, 838-856.	1.8	90
5	Partial Discharges Pattern Recognition of Transformer Defect Model by LBP & HOG Features. IEEE Transactions on Power Delivery, 2019, 34, 542-550.	2.9	83
6	DA-DCGAN: An Effective Methodology for DC Series Arc Fault Diagnosis in Photovoltaic Systems. IEEE Access, 2019, 7, 45831-45840.	2.6	82
7	Application of UHF Sensors in Power System Equipment for Partial Discharge Detection: A Review. Sensors, 2019, 19, 1029.	2.1	74
8	Performance of silicone rubber composites with SiO₂ micro/nano-filler under AC corona discharge. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 2804-2815.	1.8	72
9	Comparative Study and Analysis of DGA Methods for Transformer Mineral Oil. , 2007, , .		71
10	Detection of high impedance faults using current transformers for sensing and identification based on features extracted using wavelet transform. IET Generation, Transmission and Distribution, 2016, 10, 2990-2998.	1.4	70
11	Application of digital filtering techniques to the determination of partial discharge location in transformers. IEEE Transactions on Electrical Insulation, 1989, 24, 657-668.	0.8	64
12	A novel wavelet transform technique for on-line partial discharge measurements. 2. On-site noise rejection application. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 15-22.	1.8	63
13	Effects of thermal properties on tracking and erosion resistance of micro-ATH/AlN/BN filled silicone rubber composites. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2076-2085.	1.8	62
14	Silica Nanoparticles Treated by Cold Atmospheric-Pressure Plasmas Improve the Dielectric Performance of Organicâ€“Inorganic Nanocomposites. ACS Applied Materials & Interfaces, 2012, 4, 2637-2642.	4.0	59
15	Resistance against AC corona discharge of micro-ATH/ nano-Al2O3 co-filled silicone rubber composites. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 657-667.	1.8	53
16	Application of data mining on partial discharge part I: predictive modelling classification. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 846-854.	1.8	50
17	Effect of moisture on breakdown voltage and structure of palm based insulation oils. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 2119-2126.	1.8	48
18	Recognition of single and multiple partial discharge sources in transformers based on ultraâ€high frequency signals. IET Generation, Transmission and Distribution, 2014, 8, 160-169.	1.4	44

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19	Dissolved gas analysis for common transformer faults in soy seed-based oil. IET Electric Power Applications, 2011, 5, 133.	1.1	43
20	Surface flashover properties of epoxy based nanocomposites containing functionalized nano-TiO₂. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1567-1576.	1.8	43
21	Precise Analysis on Mutual Inductance Variation in Dynamic Wireless Charging of Electric Vehicle. Energies, 2018, 11, 624.	1.6	42
22	Accelerated ultraviolet weathering investigation on microâ€/nanoâ€SiO ₂ filled silicone rubber composites. High Voltage, 2018, 3, 295-302.	2.7	41
23	A hybrid transformer model for determination of partial discharge location in transformer winding. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 436-443.	1.8	38
24	FRA vs. short circuit impedance measurement in detection of mechanical defects within large power transformer. , 2012, , .		37
25	Effects of current and voltage harmonics on distribution transformer losses. , 2012, , .		37
26	Transformer frequency response analysis: mathematical and practical approach to interpret mid-frequency oscillations. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 1962-1970.	1.8	37
27	Micro-AlN/nano-SiO2 co-filled silicone rubber composites with high thermal stability and excellent dielectric properties. Materials Letters, 2017, 209, 421-424.	1.3	35
28	Dielectric response study of service-aged XLPE cable based on polarisation and depolarisation current method. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 58-66.	1.8	35
29	Tracking, erosion and thermal distribution of microâ€AlNâ€‰+â€‰nanoâ€SiO ₂ coâ€filled silicone rubber for highâ€voltage outdoor insulation. High Voltage, 2018, 3, 289-294.	2.7	32
30	A novel method for differentiating and clustering multiple partial discharge sources using S transform and bag of words feature. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3694-3702.	1.8	31
31	Sustainable Deep Learning at Grid Edge for Real-Time High Impedance Fault Detection. IEEE Transactions on Sustainable Computing, 2022, 7, 346-357.	2.2	30
32	Embedded Edge Computing for Real-time Smart Meter Data Analytics. , 2019, , .		30
33	Deep Neural Network Based Energy Disaggregation. , 2018, , .		29
34	Thermal distribution analysis and suppression mechanism of carbonized tracking and erosion in silicone rubber/SiO2 nanocomposites. Polymer Testing, 2018, 70, 226-233.	2.3	29
35	Effects of voltage harmonic on losses and temperature rise in distribution transformers. IET Generation, Transmission and Distribution, 2018, 12, 347-354.	1.4	27
36	Practical challenges in online transformer winding deformation diagnostics. , 2011, , .		26

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37	Spectral features for the classification of partial discharge signals from selected insulation defect models. IET Science, Measurement and Technology, 2013, 7, 104-111.	0.9	25
38	Lightweight transfer nets and adversarial data augmentation for photovoltaic series arc fault detection with limited fault data. International Journal of Electrical Power and Energy Systems, 2021, 130, 107035.	3.3	22
39	Air Core Transformer Winding Disk Deformation: A Precise Study on Mutual Inductance Variation and Its Influence on Frequency Response Spectrum. IEEE Access, 2018, 6, 7476-7488.	2.6	21
40	Development of UHF Sensors for Partial Discharge Detection in Power Transformer. , 2018, , .		21
41	Feasibility study on wind energy harvesting system implementation in moving trains. Electrical Engineering, 2018, 100, 1837-1845.	1.2	20
42	An efficient diagnosis method for data mining on single PD pulses of transformer insulation defect models. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 2061-2072.	1.8	19
43	An efficient PD data mining method for power transformer defect models using SOM technique. International Journal of Electrical Power and Energy Systems, 2015, 71, 373-382.	3.3	19
44	Effect of micro-nano additives on breakdown, surface tracking and mechanical performance of ethylene propylene diene monomer for high voltage insulation. Journal of Materials Science: Materials in Electronics, 2019, 30, 14061-14071.	1.1	19
45	High-Voltage Insulation Organic-Inorganic Nanocomposites by Plasma Polymerization. Materials, 2014, 7, 563-575.	1.3	18
46	Bushing characteristic impacts on on-line Frequency Response Analysis of transformer winding. , 2012, , .		17
47	Study on high impedance fault arcing current characteristics. , 2013, , .		17
48	Characterization of Partial Discharge With Polyimide Film in $hbox{LN}_{2}$ Considering High Temperature Superconducting Cable Insulation. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	17
49	Impulse voltage distribution and frequency response of intershield windings. IEEE Electrical Insulation Magazine, 2016, 32, 32-40.	1.1	17
50	Void discharge behaviours as a function of cavity size and voltage waveform under very lowâ€frequency excitation. High Voltage, 2018, 3, 96-102.	2.7	17
51	Interpretation of Partial Discharge Quantities as Measured at the Terminals of HV Power Transformers. IEEE Transactions on Electrical Insulation, 1986, EI-21, 629-638.	0.8	16
52	Semiconducting layer as an attractive PD detection sensor of XLPE cables. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 885-891.	1.8	16
53	Detection of High Impedance Faults using wavelet transform. , 2014, , .		16
54	Synergistic effect of additives on electrical resistivity, fire and smoke suppression of silicone rubber for high voltage insulation. Composites Communications, 2022, 29, 101045.	3.3	16

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55	Dean-Stark vs FDS and KFT methods in moisture content recognition of transformers. , 2012, , .		15
56	Plasma Polymer-coated on Nanoparticles to Improve Dielectric and Electrical Insulation Properties of Nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 548-555.	1.8	15
57	Frequency response analysis vs. flux division measurement in detection of transformer winding internal short circuit. , 2012, , .		14
58	Designing Atmospheric-Pressure Plasma Sources for Surface Engineering of Nanomaterials. Plasma Chemistry and Plasma Processing, 2013, 33, 479-490.	1.1	14
59	Effect of AC corona discharge on aging of silicone rubber nanocomposites at high altitude. , 2015, , .		14
60	Loss of low-frequency data in on- line frequency response analysis of transformers. IEEE Electrical Insulation Magazine, 2017, 33, 32-39.	1.1	14
61	Intelligent edge analytics for load identification in smart meters. , 2017, , .		14
62	Enhanced dielectric and thermal performance by fabricating coalesced network of alumina trihydrate/boron nitride in silicone rubber for electrical insulation. Bulletin of Materials Science, 2020, 43, 1.	0.8	14
63	Dissolved gas analysis of faults in biodegradable oil transformer insulating systems. , 2008, , .		13
64	Application of common transformers faults diagnosis methods on biodegradable oil-filled transformers. Electrical Engineering, 2012, 94, 207-216.	1.2	13
65	Classified effects of nanofillers on DC breakdown and partial discharge resistance of polypropylene/alumina nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 698-705.	1.8	13
66	Surface Discharge Behaviours, Dielectric and Mechanical Properties of EPDM based Nanocomposites containing Nano-BN. Applied Nanoscience (Switzerland), 2019, 9, 1981-1989.	1.6	13
67	Simulation and Experimental Investigation on Carbonized Tracking Failure of EPDM/BN-Based Electrical Insulation. Polymers, 2020, 12, 582.	2.0	13
68	Accurate Surface Condition Classification of High Voltage Insulators based on Deep Convolutional Neural Networks. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 2126-2133.	1.8	13
69	Application of wavelet analysis to the determination of partial discharge location in multiple-Î± transformer windings. Electric Power Systems Research, 2008, 78, 202-208.	2.1	12
70	Transformer efficiency and de-rating evaluation with non-sinusoidal loads. , 2012, , .		12
71	Influence of temperature on frequency response analysis of transformer winding. , 2013, , .		12
72	AC corona resistance performance of silicone rubber composites with micro/nano silica fillers. , 2016, , .		12

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73	Accurate optical measurement of high voltage waveform using novel optical liquid crystal based sensor. Sensors and Actuators A: Physical, 2017, 268, 164-172.	2.0	12
74	Study on DC series arc fault in photovoltaic systems for condition monitoring purpose. , 2017, , .		12
75	Erosion resistance of micro-AlN and nano-SiO<inf>2</inf> hybrid filled silicone rubber composites. , 2017, , .		12
76	Wavelet transformâ€based feature extraction for detection and classification of disturbances in an islanded microâ€grid. IET Generation, Transmission and Distribution, 2019, 13, 2077-2087.	1.4	12
77	Dielectric and thermal properties of micro/nano boron nitride coâ€filled EPDM composites for highâ€voltage insulation. Micro and Nano Letters, 2019, 14, 150-153.	0.6	12
78	Flame Retardancy and Excellent Electrical Insulation Performance of RTV Silicone Rubber. Polymers, 2021, 13, 2854.	2.0	12
79	Application of signal processing techniques to on-line partial discharge detection in cables. , 0, , .		11
80	Investigation of partial discharge in piezoelectric ceramics. Acta Materialia, 2016, 102, 284-291.	3.8	11
81	Moisture effect on conductivity of kraft paper immersed in power transformer vegetableâ€based insulation oils. IET Generation, Transmission and Distribution, 2017, 11, 2269-2274.	1.4	11
82	Descriptive Data Mining of Partial Discharge Using Decision Tree With Genetic Algorithm. Australian Journal of Electrical and Electronics Engineering, 2009, 6, 249-259.	0.7	10
83	Frequency Response Analysis to recognize inductance variation in transformer due to internal short circuit. , 2012, , .		10
84	Faults identification of biodegradable oil-filled transformers based on polarization and depolarization current measurement (PDC) method. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 2299-2306.	1.8	10
85	Surface trap effects on flashover voltages of epoxy/Al2O3 nanocomposites for high voltage insulation. Journal of Materials Science: Materials in Electronics, 2019, 30, 18135-18143.	1.1	10
86	Partial Discharge Analysis using PCA and SOM. , 2007, , .		9
87	Dissolved gas analysis (DGA) of arcing faults in biodegradable oil insulation systems. , 2008, , .		9
88	Partial discharge localization in transformers using UHF sensors. , 2011, , .		9
89	A method to capture and de-noise partial discharge pulses using discrete wavelet transform and ANFIS. International Transactions on Electrical Energy Systems, 2015, 25, 2696-2712.	1.2	9
90	A comparative study of dielectric dissipation factor measurement under very low and power frequencies. , 2017, , .		9

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91	Detection and classification of disturbances in the islanded microâ€grid by using wavelet transformation and feature extraction algorithm. Journal of Engineering, 2019, 2019, 5284-5286.	0.6	9
92	A Novel Optical Sensing Technology for Monitoring Voltage and Current of Overhead Power Lines. IEEE Sensors Journal, 2021, 21, 26699-26707.	2.4	9
93	Partial discharges development in a void and its effect on the material surface. , 0, , .		8
94	Detection of high impedance faults in medium voltage distribution networks. , 2012, , .		8
95	Data mining on partial discharge signals of power transformer's defect models. International Transactions on Electrical Energy Systems, 2013, 23, 423-437.	1.2	8
96	Effects of voltage harmonics on distribution transformer losses. , 2015, , .		8
97	AC corona resistance of micro-ATH/nano-Al<inf>2</inf>O<inf>3</inf> filled silicone rubber composites. , 2016, , .		8
98	Stator current envelope extraction for analysis of broken rotor bar in induction motors. , 2017, , .		8
99	Influence of Partial Discharge on Dissipation Factor Measurement at Very Low Frequency. , 2018, , .		8
100	On-line partial discharge measurement on instrument transformers. , 0, , .		7
101	A study of hot-spot localization in distribution transformers. , 2017, , .		7
102	Power quality monitoring of single-wire-earth-return distribution feeders. , 2017, , .		7
103	Electrical field distribution on the cross-linked polyethylene insulation surface under partial discharge testing. Polymer Testing, 2020, 82, 106311.	2.3	7
104	Differential Evolution-Based Overcurrent Protection for DC Microgrids. Energies, 2021, 14, 5026.	1.6	7
105	Direct Introduction of Semicon Layers in XLPE Cable Model. , 2006, , .		6
106	Modeling propagation characteristics of power cables with finite element techniques and ATP. , 2007, , .		6
107	Surface insulation performance of epoxy resin/silica nanocomposite material. , 2011, , .		6
108	Investigation of Partial Discharge and Fracture Strength in Piezoelectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 1905-1911.	1.9	6

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109	Effect of AC corona discharge on hydrophobic properties of silicone rubber nanocomposites. , 2015, , .		6
110	A comparative study of power loss caused by voltage harmonics in aged transformer. , 2016, , .		6
111	Classified effects of nanofillers on DC breakdown and partial discharge resistance of polypropylene/alumina nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 698-705.	1.8	6
112	A Hybrid Transformer PD Monitoring Method Using Simultaneous IEC60270 and RF Data. IEEE Transactions on Power Delivery, 2019, 34, 1374-1382.	2.9	6
113	Confidence Level Estimation for Advanced Decision-Making in Transformer Short-circuit Fault Diagnosis. IEEE Transactions on Industry Applications, 2022, 58, 233-241.	3.3	6
114	Investigation of PD signal propagation characteristics in XLPE cables. , 0, , .		5
115	Investigation of high frequency signal propagation characteristics on HV XLPE cables. , 2005, , .		5
116	A comparison between partial discharge propagation in multiple-/spl alpha/ and single-/spl alpha/ transformer winding. , 2005, , .		5
117	Dissolved gas analysis (DGA) of partial discharge fault in bio-degradable transformer insulation oil. , 2007, , .		5
118	Comparison of partial discharge activity in mineral oil and bio-degradable oil. , 2007, , .		5
119	Neuro fuzzy recognition of ultra-high frequency partial discharges in transformers. , 2010, , .		5
120	On-line transformer Frequency Response Analysis: Moisture and temperature influences on statistical indicators. , 2013, , .		5
121	Influence of moisture content variation on Frequency Response Analysis of transformer winding. , 2014, , .		5
122	Arcing current features extraction using wavelet transform. , 2014, , .		5
123	Study of voltage harmonic effect on temperature rise in distribution transformer. , 2016, , .		5
124	Effects of aging on partial discharge patterns in voids under very low frequency excitation. , 2016, , .		5
125	Modelling partial discharges in an insulation material at very low frequency. , 2017, , .		5
126	Recovery voltage response of XLPE cables based on polarisation and depolarisation current measurements. IET Generation, Transmission and Distribution, 2019, 13, 5533-5540.	1.4	5

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127	DC Series Arc Fault Detection Using Machine Learning in Photovoltaic Systems: Recent Developments and Challenges. , 2020, , .		5
128	Investigation of partial discharges in SF/sub 6/ using a computer-based data acquisition system. IEEE Transactions on Electrical Insulation, 1992, 27, 661-668.	0.8	4
129	A new efficient algorithm for online measurement of power system quantities. , 0, , .		4
130	Investigation of Electric Field Distribution in Power Cables with Voids. , 2006, , .		4
131	Determination of Partial Discharge Propagation and Location in Transformer Windings Using a Hybrid Transformer Model. Electric Power Components and Systems, 2007, 35, 607-623.	1.0	4
132	Practical implementation of a narrowband high frequency distributed model for locating partial discharge in a power transformer. , 2007, , .		4
133	Reinforced insulation properties of epoxy resin/SiO₂ nanocomposites by atmospheric pressure plasma modification. , 2012, , .		4
134	Shunt capacitance influences on single-phase transformer FRA spectrum. , 2013, , .		4
135	Characteristics of Epoxy Resin/SiO₂ Nanocomposite Insulation: Effects of Plasma Surface Treatment on the Nanoparticles. Journal of Nanoscience and Nanotechnology, 2013, 13, 3371-3376.	0.9	4
136	Temperature influence on FRA spectrum of oil-filled and oil-free single-phase transformer. , 2015, , .		4
137	Frequency response technique to recognize turn-to-turn insulation deterioration in transformer winding. , 2016, , .		4
138	Diagnosis of stator winding insulation failure in induction motors shortly after its occurrence. , 2016, , .		4
139	Comparative phase-resolved analysis of AC corona discharges at very low (0.1 Hz) and power frequencies. , 2017, , .		4
140	Modelling and Diagnostic of Incipient Stator Inter-turn Short Circuit Fault in Induction Motors. , 2018, , .		4
141	ANALYSIS AND DETECTION OF TRANSIENTS IN ISLANDED MICRO-GRIDS USING WAVELET TRANSFORMATION. , 2018, , .		4
142	Transformer components impact on compatibility of measured PDs: comparison of IEC60270 and RF methods. High Voltage, 2019, 4, 33-40.	2.7	4
143	Detection of partial discharge in solid and liquid insulation with an electric field sensor. , 0, , .		3
144	Recognition of partial discharge using fuzzy logic. , 0, , .		3

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145	A Novel On-line Differential Technique for Partial Discharge Measurement of MV/HV Power Cables. , 2006, , .		3
146	Partial discharge characteristics of electrical trees prior to breakdown. , 2008, , .		3
147	Detection of partial discharge signals in high voltage XLPE cables using time domain features. , 2011, , .		3
148	Partial discharge localization in transformers using monopole and log-spiral UHF sensors. , 2012, , .		3
149	UHF sensor array for partial discharge location in transformers. , 2012, , .		3
150	Automatic detection and identification of electric loads at the event of switching-on that load. , 2013, , .		3
151	Frequency response of MV current transformers. , 2013, , .		3
152	Series Arc Fault Detection in DC Microgrid Using Hybrid Detection Method. , 2018, , .		3
153	A New Transformer FRA Test Setup for Advanced Interpretation and Winding Short-circuit Prediction. , 2020, , .		3
154	Stator current envelope extraction for analysis of broken rotor bar in induction motors. , 2017, , .		3
155	A novel wavelet de-noising method for on-site PD measurements on HV cables. , 2005, , .		2
156	On-line partial discharge monitoring for assessment of power cable insulation. , 2005, , .		2
157	Separation of corona noise from on-line partial discharge monitoring of power cables. , 2008, , .		2
158	The modeling of partial discharge waveforms in power systems equipment. , 2012, , .		2
159	Dielectric response of transformer insulation oils. , 2012, , .		2
160	Automatic identification of electric loads using switching transient current signals. , 2013, , .		2
161	Impact of battery storage on micro-grid transient performance. , 2014, , .		2
162	Modeling and detection of high impedance faults. , 2014, , .		2

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163	Paper moisture variation vs. mechanical deformation impacts on transformer frequency response spectrum. , 2014, , .		2
164	Effect of temperatures on very low frequency partial discharge diagnostics. , 2015, , .		2
165	Ultraviolet weathering resistance performance of micro/nano silica filled silicone rubber composites for outdoor insulation. , 2016, , .		2
166	Detection of broken rotor bars in squirrel cage induction motors by amplifying fault harmonics. , 2017, , .		2
167	Arcing fault detection in the scenario with renewable energy generation. , 2017, , .		2
168	High Impedance Fault Detection by Convolutional Deep Neural Network. , 2018, , .		2
169	Enabling Deep Learning on Embedded Systems for IoT Sensor Data Analytics: Opportunities and Challenges. , 2018, , .		2
170	Monitoring and measurement of highâ€frequency oscillatory transient recovery voltage of circuit breakers. IET Science, Measurement and Technology, 2018, 12, 764-769.	0.9	2
171	Distribution Transformer Frequency Response Analysis: Behavior of Different Statistical Indices During Inter-disk Fault. , 2019, , .		2
172	Core Loss Studies using FEM of a Three Phase Isolation Transformer under Harmonic Conditions. , 2019, , .		2
173	Application of a computer-based partial discharge measurement system (CDA3) for identifying possible insulation fault conditions. , 0, , .		1
174	Partial discharge characteristics in polymeric cable accessories. , 0, , .		1
175	Simulation of partial discharge propagation and location in Abetti winding based on structural data. , 2005, , .		1
176	An optimal wavelet filtering method for noise suppression of PD measured signal and its location in power transformer winding. , 0, , .		1
177	Load and Other Effects on Measuring Partial Discharge in Power Cables. , 2006, , .		1
178	A narrowband high frequency distributed power transformer model for partial discharge location. , 2007, , .		1
179	The effect of insulation loss and semi-conducting layers on pulse propagation behavior of power cables. , 2007, , .		1
180	Measurement of partial discharges in vegetable oil-impregnated insulating system. , 2011, , .		1

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181	Influence of plasma-treated nanoparticles on space charge accumulation in epoxy resin insulation. , 2013, , .		1
182	Dielectric performance of nanocomposites synthesized by poly(ethylene oxide)-like film coated silica nanoparticles by plasma polymerization. , 2013, , .		1
183	Impact of transformer winding dry-out on frequency response analysis. , 2013, , .		1
184	Simulation and experimental performance analysis of micro-grid based distributed energy resources. , 2014, , .		1
185	The influence of dielectric dissipation factor on transformer Frequency Response Analysis. , 2014, , .		1
186	Investigation and modelling of sympathetic inrush due to transformer energization. , 2014, , .		1
187	Analysis of transients in a micro-grid using wavelet transformation. , 2016, , .		1
188	Transformer inrush transients using Jiles-Atherton model in PSCAD/EMTDC. , 2016, , .		1
189	Hysteretic iron-core modelling for inrush current transients using Jiles-Atherton model. , 2016, , .		1
190	Three-dimensional vibration analysis of single-phase transformer winding under inter-disc fault. , 2017, , .		1
191	An envelope-based method with second order generalized integrator adaptive notch filter for diagnosis of rotor bar breakage at very low slips. , 2017, , .		1
192	IoT Application in Transformer Fault Prognosis Using Vibration Signal. , 2018, , .		1
193	Effects of Surface Charge on Partial Discharge Characteristics in a Cavity at Very Low Frequency Excitation. , 2018, , .		1
194	Investigation on Dry Band Arcing Induced Tracking Failure on Nanocomposites of EPDM Matrix. , 2019, , .		1
195	Dielectric Dissipation Factor Measurement of Power Equipment under Distorted Excitation Voltage. , 2021, , .		1
196	Online insulation condition monitoring of HV rotating machines using wideband partial discharge measurements. , 0, , .		0
197	Partial discharges in SF/sub 6//N/sub 2/ GIS-effects of metallic protrusion near the spacer. , 0, , .		0
198	Real Time Tracking of RMS Quantites in Three-Phase Systems under Nonsinusoidal Conditions. , 0, , .		0

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199	A method for studying partial discharges location and propagation within power transformer winding based on the structural data. , 2005, , .		0
200	Measured PD pulses in vegetable-oil-impregnated insulation system. , 2012, , .		0
201	Plasma functionalization of SiO<inf>2</inf> nanoparticles for the synthesis of polymer nano-dielectrics. , 2012, , .		0
202	The fusion of classifier outputs to improve partial discharge classification. Frontiers of Electrical and Electronic Engineering, 2012, 7, 391.	0.4	0
203	Test Cell For Polarization And Depolarization Current Test Of Transformer Insulation Oil. Jurnal Teknologi (Sciences and Engineering), 2012, , .	0.3	0
204	High voltage insulation test for high T<inf>c</inf> superconducting types. , 2013, , .		0
205	Locating stator winding insulation failure in induction machines under different load conditions. , 2015, , .		0
206	Effects of nano-SiO<inf>2</inf> doping on tracking growth and thermal accumulation in silicone rubber insulation. , 2017, , .		0
207	Effects of Surface Charge on Partial Discharge Characteristics in a Cavity at Very Low Frequency Excitation. , 2018, , .		0
208	Real-time Transformer Diagnosis using Voltage-Current Signal over Cloud Environment. , 2018, , .		0
209	Diagnostic Testing of Power Cable Insulation For Reliable Smart Grid Operation. , 2019, , .		0
210	Transformer Winding Modelling to Study the Effect of Inter-disk Faults on Frequency Response Signature. , 2019, , .		0
211	Electrical Field Modeling and Tracking Performance of RTV Silicone Rubber Composite Insulation. , 2020, , .		0
212	A New Transformer Winding RLC Model to Study the Effect of the Disk Space Variation on FRA Signature. , 2021, , .		0
213	Detection and Location of Partial Discharges in Transformers Based on High Frequency Winding Responses. Advances in Computer and Electrical Engineering Book Series, 0, , 521-539.	0.2	0
214	Detection and Analysis of Partial Discharges under PWM Voltage Excitation. , 2021, , .		0
215	Influence of Temperature on Dielectric Characteristics of Transformer Insulating Oils. , 2021, , .		0