

B Toan Phung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4349110/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	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
4	Differential Evolution-Based Overcurrent Protection for DC Microgrids. Energies, 2021, 14, 5026.	1.6	7
5	Flame Retardancy and Excellent Electrical Insulation Performance of RTV Silicone Rubber. Polymers, 2021, 13, 2854.	2.0	12
6	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
7	A Novel Optical Sensing Technology for Monitoring Voltage and Current of Overhead Power Lines. IEEE Sensors Journal, 2021, 21, 26699-26707.	2.4	9
8	A New Transformer Winding RLC Model to Study the Effect of the Disk Space Variation on FRA Signature. , 2021, , .		0
9	Dielectric Dissipation Factor Measurement of Power Equipment under Distorted Excitation Voltage. , 2021, , .		1
10	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
11	Detection and Analysis of Partial Discharges under PWM Voltage Excitation. , 2021, , .		0
12	Influence of Temperature on Dielectric Characteristics of Transformer Insulating Oils. , 2021, , .		0
13	Electrical field distribution on the cross-linked polyethylene insulation surface under partial discharge testing. Polymer Testing, 2020, 82, 106311.	2.3	7
14	A New Transformer FRA Test Setup for Advanced Interpretation and Winding Short-circuit Prediction. , 2020, , .		3
15	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
16	Simulation and Experimental Investigation on Carbonized Tracking Failure of EPDM/BN-Based Electrical Insulation. Polymers, 2020, 12, 582.	2.0	13
17	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
18	Electrical Field Modeling and Tracking Performance of RTV Silicone Rubber Composite Insulation. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	DC Series Arc Fault Detection Using Machine Learning in Photovoltaic Systems: Recent Developments and Challenges. , 2020, , .		5
20	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
21	Wavelet transform-based feature extraction for detection and classification of disturbances in an islanded microgrid. IET Generation, Transmission and Distribution, 2019, 13, 2077-2087.	1.4	12
22	Transformer components impact on compatibility of measured PDs: comparison of IEC60270 and RF methods. High Voltage, 2019, 4, 33-40.	2.7	4
23	Embedded Edge Computing for Real-time Smart Meter Data Analytics. , 2019, , .		30
24	Investigation on Dry Band Arcing Induced Tracking Failure on Nanocomposites of EPDM Matrix. , 2019, , .		1
25	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
26	Distribution Transformer Frequency Response Analysis: Behavior of Different Statistical Indices During Inter-disk Fault. , 2019, , .		2
27	Detection and classification of disturbances in the islanded microgrid by using wavelet transformation and feature extraction algorithm. Journal of Engineering, 2019, 2019, 5284-5286.	0.6	9
28	Surface trap effects on flashover voltages of epoxy/Al ₂ O ₃ nanocomposites for high voltage insulation. Journal of Materials Science: Materials in Electronics, 2019, 30, 18135-18143.	1.1	10
29	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
30	Application of UHF Sensors in Power System Equipment for Partial Discharge Detection: A Review. Sensors, 2019, 19, 1029.	2.1	74
31	Surface Discharge Behaviours, Dielectric and Mechanical Properties of EPDM based Nanocomposites containing Nano-BN. Applied Nanoscience (Switzerland), 2019, 9, 1981-1989.	1.6	13
32	DA-DCGAN: An Effective Methodology for DC Series Arc Fault Diagnosis in Photovoltaic Systems. IEEE Access, 2019, 7, 45831-45840.	2.6	82
33	A Hybrid Transformer PD Monitoring Method Using Simultaneous IEC60270 and RF Data. IEEE Transactions on Power Delivery, 2019, 34, 1374-1382.	2.9	6
34	Core Loss Studies using FEM of a Three Phase Isolation Transformer under Harmonic Conditions. , 2019, , .		2
35	Diagnostic Testing of Power Cable Insulation For Reliable Smart Grid Operation. , 2019, , .		0
36	Transformer Winding Modelling to Study the Effect of Inter-disk Faults on Frequency Response Signature. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Dielectric and thermal properties of micro/nano boron nitride co-filled EPDM composites for high-voltage insulation. <i>Micro and Nano Letters</i> , 2019, 14, 150-153.	0.6	12
38	Partial Discharges Pattern Recognition of Transformer Defect Model by LBP & HOG Features. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 542-550.	2.9	83
39	Recovery voltage response of XLPE cables based on polarisation and depolarisation current measurements. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 5533-5540.	1.4	5
40	Effects of voltage harmonic on losses and temperature rise in distribution transformers. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 347-354.	1.4	27
41	Feasibility study on wind energy harvesting system implementation in moving trains. <i>Electrical Engineering</i> , 2018, 100, 1837-1845.	1.2	20
42	Air Core Transformer Winding Disk Deformation: A Precise Study on Mutual Inductance Variation and Its Influence on Frequency Response Spectrum. <i>IEEE Access</i> , 2018, 6, 7476-7488.	2.6	21
43	Resistance against AC corona discharge of micro-ATH/ nano-Al ₂ O ₃ co-filled silicone rubber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 657-667.	1.8	53
44	High Impedance Fault Detection by Convolutional Deep Neural Network. , 2018, , .		2
45	Effects of Surface Charge on Partial Discharge Characteristics in a Cavity at Very Low Frequency Excitation. , 2018, , .		0
46	IoT Application in Transformer Fault Prognosis Using Vibration Signal. , 2018, , .		1
47	Accelerated ultraviolet weathering investigation on micro/nano-SiO ₂ filled silicone rubber composites. <i>High Voltage</i> , 2018, 3, 295-302.	2.7	41
48	Effects of Surface Charge on Partial Discharge Characteristics in a Cavity at Very Low Frequency Excitation. , 2018, , .		1
49	Modelling and Diagnostic of Incipient Stator Inter-turn Short Circuit Fault in Induction Motors. , 2018, , .		4
50	Series Arc Fault Detection in DC Microgrid Using Hybrid Detection Method. , 2018, , .		3
51	Influence of Partial Discharge on Dissipation Factor Measurement at Very Low Frequency. , 2018, , .		8
52	Development of UHF Sensors for Partial Discharge Detection in Power Transformer. , 2018, , .		21
53	Real-time Transformer Diagnosis using Voltage-Current Signal over Cloud Environment. , 2018, , .		0
54	Effects of thermal properties on tracking and erosion resistance of micro-ATH/AlN/BN filled silicone rubber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 2076-2085.	1.8	62

#	ARTICLE	IF	CITATIONS
55	Deep Neural Network Based Energy Disaggregation. , 2018, , .		29
56	Void discharge behaviours as a function of cavity size and voltage waveform under very low-frequency excitation. High Voltage, 2018, 3, 96-102.	2.7	17
57	Enabling Deep Learning on Embedded Systems for IoT Sensor Data Analytics: Opportunities and Challenges. , 2018, , .		2
58	Precise Analysis on Mutual Inductance Variation in Dynamic Wireless Charging of Electric Vehicle. Energies, 2018, 11, 624.	1.6	42
59	Thermal distribution analysis and suppression mechanism of carbonized tracking and erosion in silicone rubber/SiO ₂ nanocomposites. Polymer Testing, 2018, 70, 226-233.	2.3	29
60	Surface flashover properties of epoxy based nanocomposites containing functionalized nano-TiO ₂ . IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1567-1576.	1.8	43
61	Monitoring and measurement of high-frequency oscillatory transient recovery voltage of circuit breakers. IET Science, Measurement and Technology, 2018, 12, 764-769.	0.9	2
62	ANALYSIS AND DETECTION OF TRANSIENTS IN ISLANDED MICRO-GRIDS USING WAVELET TRANSFORMATION. , 2018, , .		4
63	Tracking, erosion and thermal distribution of micro-AlN/nano-SiO ₂ co-filled silicone rubber for high-voltage outdoor insulation. High Voltage, 2018, 3, 289-294.	2.7	32
64	Micro-AlN/nano-SiO ₂ co-filled silicone rubber composites with high thermal stability and excellent dielectric properties. Materials Letters, 2017, 209, 421-424.	1.3	35
65	Loss of low-frequency data in on-line frequency response analysis of transformers. IEEE Electrical Insulation Magazine, 2017, 33, 32-39.	1.1	14
66	A study of hot-spot localization in distribution transformers. , 2017, , .		7
67	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
68	Detection of broken rotor bars in squirrel cage induction motors by amplifying fault harmonics. , 2017, , .		2
69	Moisture effect on conductivity of kraft paper immersed in power transformer vegetable-based insulation oils. IET Generation, Transmission and Distribution, 2017, 11, 2269-2274.	1.4	11
70	Stator current envelope extraction for analysis of broken rotor bar in induction motors. , 2017, , .		8
71	Power quality monitoring of single-wire-earth-return distribution feeders. , 2017, , .		7
72	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

#	ARTICLE	IF	CITATIONS
73	Study on DC series arc fault in photovoltaic systems for condition monitoring purpose. , 2017, , .		12
74	Comparative phase-resolved analysis of AC corona discharges at very low (0.1 Hz) and power frequencies. , 2017, , .		4
75	Three-dimensional vibration analysis of single-phase transformer winding under inter-disc fault. , 2017, , .		1
76	Modelling partial discharges in an insulation material at very low frequency. , 2017, , .		5
77	An envelope-based method with second order generalized integrator adaptive notch filter for diagnosis of rotor bar breakage at very low slips. , 2017, , .		1
78	A comparative study of dielectric dissipation factor measurement under very low and power frequencies. , 2017, , .		9
79	Erosion resistance of micro-AlN and nano-SiO ₂ hybrid filled silicone rubber composites. , 2017, , .		12
80	Intelligent edge analytics for load identification in smart meters. , 2017, , .		14
81	Arcing fault detection in the scenario with renewable energy generation. , 2017, , .		2
82	Effects of nano-SiO ₂ doping on tracking growth and thermal accumulation in silicone rubber insulation. , 2017, , .		0
83	Stator current envelope extraction for analysis of broken rotor bar in induction motors. , 2017, , .		3
84	Frequency response technique to recognize turn-to-turn insulation deterioration in transformer winding. , 2016, , .		4
85	A comparative study of power loss caused by voltage harmonics in aged transformer. , 2016, , .		6
86	Diagnosis of stator winding insulation failure in induction motors shortly after its occurrence. , 2016, , .		4
87	Analysis of transients in a micro-grid using wavelet transformation. , 2016, , .		1
88	Transformer inrush transients using Jiles-Atherton model in PSCAD/EMTDC. , 2016, , .		1
89	Ultraviolet weathering resistance performance of micro/nano silica filled silicone rubber composites for outdoor insulation. , 2016, , .		2
90	AC corona resistance of micro-ATH/nano-Al ₂ O ₃ filled silicone rubber composites. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
91	Hysteretic iron-core modelling for inrush current transients using Jiles-Atherton model. , 2016, , .		1
92	Study of voltage harmonic effect on temperature rise in distribution transformer. , 2016, , .		5
93	Impulse voltage distribution and frequency response of intershield windings. IEEE Electrical Insulation Magazine, 2016, 32, 32-40.	1.1	17
94	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
95	Effects of aging on partial discharge patterns in voids under very low frequency excitation. , 2016, , .		5
96	Performance of silicone rubber composites with SiO ₂ micro/nano-filler under AC corona discharge. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 2804-2815.	1.8	72
97	AC corona resistance performance of silicone rubber composites with micro/nano silica fillers. , 2016, , .		12
98	Investigation of partial discharge in piezoelectric ceramics. Acta Materialia, 2016, 102, 284-291.	3.8	11
99	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
100	Locating stator winding insulation failure in induction machines under different load conditions. , 2015, , .		0
101	Effects of voltage harmonics on distribution transformer losses. , 2015, , .		8
102	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
103	Effect of temperatures on very low frequency partial discharge diagnostics. , 2015, , .		2
104	Effect of AC corona discharge on hydrophobic properties of silicone rubber nanocomposites. , 2015, , .		6
105	Effect of AC corona discharge on aging of silicone rubber nanocomposites at high altitude. , 2015, , .		14
106	Temperature influence on FRA spectrum of oil-filled and oil-free single-phase transformer. , 2015, , .		4
107	Impact of battery storage on micro-grid transient performance. , 2014, , .		2
108	Simulation and experimental performance analysis of micro-grid based distributed energy resources. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
109	High-Voltage Insulation Organic-Inorganic Nanocomposites by Plasma Polymerization. Materials, 2014, 7, 563-575.	1.3	18
110	The influence of dielectric dissipation factor on transformer Frequency Response Analysis. , 2014, , .		1
111	Characterization of Partial Discharge With Polyimide Film in LN_{2} Considering High Temperature Superconducting Cable Insulation. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	17
112	Detection of High Impedance Faults using wavelet transform. , 2014, , .		16
113	Modeling and detection of high impedance faults. , 2014, , .		2
114	Investigation and modelling of sympathetic inrush due to transformer energization. , 2014, , .		1
115	Recognition of single and multiple partial discharge sources in transformers based on ultra-high frequency signals. IET Generation, Transmission and Distribution, 2014, 8, 160-169.	1.4	44
116	Investigation of Partial Discharge and Fracture Strength in Piezoelectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 1905-1911.	1.9	6
117	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
118	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
119	Paper moisture variation vs. mechanical deformation impacts on transformer frequency response spectrum. , 2014, , .		2
120	Influence of moisture content variation on Frequency Response Analysis of transformer winding. , 2014, , .		5
121	Arcing current features extraction using wavelet transform. , 2014, , .		5
122	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
123	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
124	Influence of temperature on frequency response analysis of transformer winding. , 2013, , .		12
125	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
126	Influence of plasma-treated nanoparticles on space charge accumulation in epoxy resin insulation. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
127	Automatic detection and identification of electric loads at the event of switching-on that load. , 2013, , .		3
128	Dielectric performance of nanocomposites synthesized by poly(ethylene oxide)-like film coated silica nanoparticles by plasma polymerization. , 2013, , .		1
129	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
130	High voltage insulation test for high T_c superconducting types. , 2013, , .		0
131	Designing Atmospheric-Pressure Plasma Sources for Surface Engineering of Nanomaterials. Plasma Chemistry and Plasma Processing, 2013, 33, 479-490.	1.1	14
132	Frequency response of MV current transformers. , 2013, , .		3
133	On-line transformer Frequency Response Analysis: Moisture and temperature influences on statistical indicators. , 2013, , .		5
134	Study on high impedance fault arcing current characteristics. , 2013, , .		17
135	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
136	Shunt capacitance influences on single-phase transformer FRA spectrum. , 2013, , .		4
137	Impact of transformer winding dry-out on frequency response analysis. , 2013, , .		1
138	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
139	Characteristics of Epoxy Resin/SiO ₂ Nanocomposite Insulation: Effects of Plasma Surface Treatment on the Nanoparticles. Journal of Nanoscience and Nanotechnology, 2013, 13, 3371-3376.	0.9	4
140	Automatic identification of electric loads using switching transient current signals. , 2013, , .		2
141	Frequency Response Analysis to recognize inductance variation in transformer due to internal short circuit. , 2012, , .		10
142	Partial discharge localization in transformers using UHF detection method. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 1891-1900.	1.8	133
143	Measured PD pulses in vegetable-oil-impregnated insulation system. , 2012, , .		0
144	The modeling of partial discharge waveforms in power systems equipment. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
145	Dielectric response of transformer insulation oils. , 2012, , .		2
146	Partial discharge localization in transformers using monopole and log-spiral UHF sensors. , 2012, , .		3
147	Plasma functionalization of SiO ₂ nanoparticles for the synthesis of polymer nano-dielectrics. , 2012, , .		0
148	Dean-Stark vs FDS and KFT methods in moisture content recognition of transformers. , 2012, , .		15
149	UHF sensor array for partial discharge location in transformers. , 2012, , .		3
150	Detection of high impedance faults in medium voltage distribution networks. , 2012, , .		8
151	Silica Nanoparticles Treated by Cold Atmospheric-Pressure Plasmas Improve the Dielectric Performance of Organic-Inorganic Nanocomposites. ACS Applied Materials & Interfaces, 2012, 4, 2637-2642.	4.0	59
152	Reinforced insulation properties of epoxy resin/SiO ₂ nanocomposites by atmospheric pressure plasma modification. , 2012, , .		4
153	FRA vs. short circuit impedance measurement in detection of mechanical defects within large power transformer. , 2012, , .		37
154	The fusion of classifier outputs to improve partial discharge classification. Frontiers of Electrical and Electronic Engineering, 2012, 7, 391.	0.4	0
155	Transformer efficiency and de-rating evaluation with non-sinusoidal loads. , 2012, , .		12
156	Frequency response analysis vs. flux division measurement in detection of transformer winding internal short circuit. , 2012, , .		14
157	Effects of current and voltage harmonics on distribution transformer losses. , 2012, , .		37
158	Application of common transformers faults diagnosis methods on biodegradable oil-filled transformers. Electrical Engineering, 2012, 94, 207-216.	1.2	13
159	Bushing characteristic impacts on on-line Frequency Response Analysis of transformer winding. , 2012, , .		17
160	Test Cell For Polarization And Depolarization Current Test Of Transformer Insulation Oil. Jurnal Teknologi (Sciences and Engineering), 2012, , .	0.3	0
161	Partial discharge localization in transformers using UHF sensors. , 2011, , .		9
162	Surface insulation performance of epoxy resin/silica nanocomposite material. , 2011, , .		6

#	ARTICLE	IF	CITATIONS
163	Practical challenges in online transformer winding deformation diagnostics. , 2011, , .		26
164	Dissolved gas analysis for common transformer faults in soy seed-based oil. IET Electric Power Applications, 2011, 5, 133.	1.1	43
165	Detection of partial discharge signals in high voltage XLPE cables using time domain features. , 2011, , .		3
166	Measurement of partial discharges in vegetable oil-impregnated insulating system. , 2011, , .		1
167	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
168	Neuro fuzzy recognition of ultra-high frequency partial discharges in transformers. , 2010, , .		5
169	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
170	Application of wavelet analysis to the determination of partial discharge location in multiple- \pm transformer windings. Electric Power Systems Research, 2008, 78, 202-208.	2.1	12
171	Dissolved gas analysis (DGA) of arcing faults in biodegradable oil insulation systems. , 2008, , .		9
172	Partial discharge characteristics of electrical trees prior to breakdown. , 2008, , .		3
173	Dissolved gas analysis of faults in biodegradable oil transformer insulating systems. , 2008, , .		13
174	Separation of corona noise from on-line partial discharge monitoring of power cables. , 2008, , .		2
175	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
176	Partial Discharge Analysis using PCA and SOM. , 2007, , .		9
177	Modeling propagation characteristics of power cables with finite element techniques and ATP. , 2007, , .		6
178	Comparative Study and Analysis of DGA Methods for Transformer Mineral Oil. , 2007, , .		71
179	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
180	A narrowband high frequency distributed power transformer model for partial discharge location. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
181	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
182	Dissolved gas analysis (DGA) of partial discharge fault in bio-degradable transformer insulation oil. , 2007, , .		5
183	Practical implementation of a narrowband high frequency distributed model for locating partial discharge in a power transformer. , 2007, , .		4
184	Comparison of partial discharge activity in mineral oil and bio-degradable oil. , 2007, , .		5
185	The effect of insulation loss and semi-conducting layers on pulse propagation behavior of power cables. , 2007, , .		1
186	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
187	Investigation of Electric Field Distribution in Power Cables with Voids. , 2006, , .		4
188	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
189	Load and Other Effects on Measuring Partial Discharge in Power Cables. , 2006, , .		1
190	Direct Introduction of Semicon Layers in XLPE Cable Model. , 2006, , .		6
191	A Novel On-line Differential Technique for Partial Discharge Measurement of MV/HV Power Cables. , 2006, , .		3
192	A novel wavelet de-noising method for on-site PD measurements on HV cables. , 2005, , .		2
193	Investigation of high frequency signal propagation characteristics on HV XLPE cables. , 2005, , .		5
194	A method for studying partial discharges location and propagation within power transformer winding based on the structural data. , 2005, , .		0
195	On-line partial discharge monitoring for assessment of power cable insulation. , 2005, , .		2
196	Simulation of partial discharge propagation and location in Abetti winding based on structural data. , 2005, , .		1
197	A comparison between partial discharge propagation in multiple-/spl alpha/ and single-/spl alpha/ transformer winding. , 2005, , .		5
198	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

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	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
202	Online insulation condition monitoring of HV rotating machines using wideband partial discharge measurements. , 0, , .		0
203	Application of a computer-based partial discharge measurement system (CDA3) for identifying possible insulation fault conditions. , 0, , .		1
204	Detection of partial discharge in solid and liquid insulation with an electric field sensor. , 0, , .		3
205	On-line partial discharge measurement on instrument transformers. , 0, , .		7
206	Recognition of partial discharge using fuzzy logic. , 0, , .		3
207	Partial discharges development in a void and its effect on the material surface. , 0, , .		8
208	Partial discharge characteristics in polymeric cable accessories. , 0, , .		1
209	Partial discharges in SF/sub 6//N/sub 2/ GIS-effects of metallic protrusion near the spacer. , 0, , .		0
210	Application of signal processing techniques to on-line partial discharge detection in cables. , 0, , .		11
211	A new efficient algorithm for online measurement of power system quantities. , 0, , .		4
212	Investigation of PD signal propagation characteristics in XLPE cables. , 0, , .		5
213	Real Time Tracking of RMS Quantites in Three-Phase Systems under Nonsinusoidal Conditions. , 0, , .		0
214	An optimal wavelet filtering method for noise suppression of PD measured signal and its location in power transformer winding. , 0, , .		1
215	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