Giovanni Mazzanti

List of Publications by Year
in descending order

183	4,017	147801 31	149698 56
papers	citations	h-index	g-index

188	188	188	1411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of trapped space charges in the electrical aging of insulating materials. IEEE Transactions on Dielectrics and Electrical Insulation, 1997, 4, 496-506.	2.9	345
2	Relation between space charge accumulation and partial discharge activity in enameled wires under PWM-like voltage waveforms. IEEE Transactions on Dielectrics and Electrical Insulation, 2004, 11, 193-205.	2.9	223
3	A space-charge based method for the estimation of apparent mobility and trap depth as markers for insulation degradation-theoretical basis and experimental validation. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 187-197.	2.9	217
4	Electrical aging and life models: the role of space charge. IEEE Transactions on Dielectrics and Electrical Insulation, 2005, 12, 876-890.	2.9	200
5	Space-charge trapping and conduction in LDPE, HDPE and XLPE. Journal Physics D: Applied Physics, 2001, 34, 2902-2911.	2.8	175
6	Progress in electrothermal life modeling of electrical insulation during the last decades. IEEE Transactions on Dielectrics and Electrical Insulation, 2002, 9, 730-745.	2.9	162
7	The combination of electro-thermal stress, load cycling and thermal transients and its effects on the life of high voltage ac cables. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1168-1179.	2.9	130
8	The incorporation of space charge degradation in the life model for electrical insulating materials. IEEE Transactions on Dielectrics and Electrical Insulation, 1995, 2, 1147-1158.	2.9	116
9	A space-charge life model for ac electrical aging of polymers. IEEE Transactions on Dielectrics and Electrical Insulation, 1999, 6, 864-875.	2.9	85
10	Insulating materials for realising carbon neutrality: Opportunities, remaining issues and challenges. High Voltage, 2022, 7, 610-632.	4.7	85
11	Analysis of the Combined Effects of Load Cycling, Thermal Transients, and Electrothermal Stress on Life Expectancy of High-Voltage AC Cables. IEEE Transactions on Power Delivery, 2007, 22, 2000-2009.	4.3	84
12	A protocol for space charge measurements in full-size HVDC extruded cables. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 21-34.	2.9	79
13	Quantities extracted from space-charge measurements as markers for insulation aging. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 198-203.	2.9	72
14	Elemental strain and trapped space charge in thermoelectrical aging of insulating materials. Part 1: Elemental strain under thermo-electrical-mechanical stress. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 959-965.	2.9	66
15	Apparent trap-controlled mobility evaluation in insulating polymers through depolarization characteristics derived by space charge measurements. Journal of Applied Physics, 2003, 94, 5997-6004.	2.5	59
16	Theory of inception mechanism and growth of defect-induced damage in polyethylene cable insulation. Journal of Applied Physics, 2005, 98, 034102.	2.5	54
17	In search of convenient techniques for reducing bias in the estimation of Weibull parameters for uncensored tests. IEEE Transactions on Dielectrics and Electrical Insulation, 1997, 4, 306-313.	2.9	46
18	Life model based on space-charge quantities for HVDC polymeric cables subjected to voltage-polarity inversions. IEEE Transactions on Dielectrics and Electrical Insulation, 2002, 9, 514-523.	2.9	46

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19	Life Estimation of HVDC Cables Under the Time-Varying Electrothermal Stress Associated With Load Cycles. IEEE Transactions on Power Delivery, 2015, 30, 931-939.	4.3	44
20	Diagnosis and location of faults in submarine power cables. IEEE Electrical Insulation Magazine, 2016, 32, 24-37.	0.8	42
21	A general multi-stress life model for insulating materials with or without evidence for thresholds. IEEE Transactions on Electrical Insulation, 1993, 28, 349-364.	0.8	41
22	A comparison between XLPE and EPR as insulating materials for HV cables. IEEE Transactions on Power Delivery, 1997, 12, 15-28.	4.3	41
23	From thermodynamic to phenomenological multi-stress models for insulating materials without or with evidence of threshold (XLPE cables). Journal Physics D: Applied Physics, 1994, 27, 1691-1702.	2.8	40
24	Weibull statistics in short-term dielectric breakdown of thin polyethylene films. IEEE Transactions on Dielectrics and Electrical Insulation, 1994, 1, 153-159.	2.9	38
25	Comparison of maximum likelihood unbiasing methods for the estimation of the Weibull parameters. IEEE Transactions on Dielectrics and Electrical Insulation, 1996, 3, 18-27.	2.9	38
26	Bayesian reliability estimation based on a weibull stress-strength model for aged power system components subjected to voltage surges. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 146-159.	2.9	38
27	Elemental strain and trapped space charge in thermoelectrical aging of insulating materials: life modeling. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 966-971.	2.9	37
28	The Feasibility of Cable Sheath Fault Detection by Monitoring Sheath-to-Ground Currents at the Ends of Cross-Bonding Sections. IEEE Transactions on Industry Applications, 2015, 51, 5376-5384.	4.9	37
29	The insulation of HVDC extruded cable system joints. Part 1: Review of materials, design and testing procedures. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 964-972.	2.9	36
30	Model of Inception and Growth of Damage from Microvoids in Polyethylene-based Materials for HVDC Cables. 1. Theoretical Approach. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 1242-1254.	2.9	35
31	Including the calculation of transient electric field in the life estimation of HVDC cables subjected to load cycles. IEEE Electrical Insulation Magazine, 2018, 34, 27-37.	0.8	33
32	Insulation characterization in multistress conditions by accelerated life tests: An application to XLPE and EPR for high voltage cables. IEEE Electrical Insulation Magazine, 1997, 13, 24-34.	0.8	32
33	An approach to life estimation of electrical plant components in the presence of harmonic distortion. , 0, , .		32
34	Issues and Challenges for HVDC Extruded Cable Systems. Energies, 2021, 14, 4504.	3.1	32
35	State of the art in insulation of gas insulated substations: main issues, achievements, and trends. IEEE Electrical Insulation Magazine, 2016, 32, 18-31.	0.8	31
36	A New Approach to the Statistical Enlargement Law for Comparing the Breakdown Performance of Power Cables. 1. Theory. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 1232-1241.	2.9	30

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37	The Loadability of Overhead Transmission Linesâ€"Part I: Analysis of Single Circuits. IEEE Transactions on Power Delivery, 2014, 29, 29-37.	4.3	28
38	The statistical enlargement law for HVDC cable lines part 1: theory and application to the enlargement in length. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 192-201.	2.9	28
39	Life and reliability models for high voltage DC extruded cables. IEEE Electrical Insulation Magazine, 2017, 33, 42-52.	0.8	27
40	Theoretical and practical aids for the proper selection of reliability models for power system components. International Journal of Reliability and Safety, 2008, 2, 99.	0.2	25
41	Advanced electro-thermal life and reliability model for high voltage cable systems including accessories. IEEE Electrical Insulation Magazine, 2017, 33, 17-25.	0.8	25
42	First electron availability and partial discharge generation in insulation cavities: effect of light irradiation. IEEE Transactions on Dielectrics and Electrical Insulation, 2005, 12, 387-394.	2.9	23
43	A new approach to the statistical enlargement law for comparing the breakdown performances of power cables - part 2: application. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 792-799.	2.9	23
44	Optimum estimators for the Weibull distribution of censored data. Singly-censored tests [electrical breakdown test data]. IEEE Transactions on Dielectrics and Electrical Insulation, 1997, 4, 462-469.	2.9	22
45	Model of Inception and Growth of Damage from Microvoids in Polyethylene-based Materials for HVDC Cables. 2. Parametric Investigation and Data Fitting. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 1255-1263.	2.9	22
46	The effect of temperature and stress coefficients of electrical conductivity on the life of HVDC extruded cable insulation subjected to type test conditions. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1313-1321.	2.9	22
47	Metal particle induced spacer surface charging phenomena in direct current gas-insulated transmission lines. Journal Physics D: Applied Physics, 2021, 54, 34LT03.	2.8	22
48	An insight into thermal life testing and characterization of EPR-insulated cables. Journal Physics D: Applied Physics, 1994, 27, 2601-2611.	2.8	21
49	Four-Phase AC Connections: An Alternative Possibility for the Expansion of Transmission Grids. IEEE Transactions on Power Delivery, 2010, 25, 1010-1018.	4.3	21
50	Ground/sea return with electrode systems for HVDC transmission. International Journal of Electrical Power and Energy Systems, 2018, 100, 222-230.	5.5	21
51	Mathematical and Physical Properties of Reliability Models in View of their Application to Modern Power System Components. Springer Series in Reliability Engineering, 2011, , 59-140.	0.5	20
52	A Simple Innovative Method to Calculate the Magnetic Field Generated by Twisted Three-Phase Power Cables. IEEE Transactions on Power Delivery, 2010, 25, 2646-2654.	4.3	19
53	The Loadability of Overhead Transmission Linesâ€"Part II: Analysis of Double-Circuits and Overall Comparison. IEEE Transactions on Power Delivery, 2014, 29, 518-524.	4.3	19
54	The Effects of Transient Overvoltages on the Reliability of HVDC Extruded Cables. Part 1: Long Temporary Overvoltages. IEEE Transactions on Power Delivery, 2021, 36, 3784-3794.	4.3	18

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55	Toward a BITE for Real-Time Life Estimation of Capacitors Subjected to Thermal Stress. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1674-1681.	4.7	17
56	The Effects of Seasonal Factors on Life and Reliability of High Voltage AC Cables Subjected to Load Cycles. IEEE Transactions on Power Delivery, 2020, 35, 2080-2088.	4.3	17
57	Optimum estimators for the Weibull distribution from censored test data. Progressively-censored tests [breakdown statistics]. IEEE Transactions on Dielectrics and Electrical Insulation, 1998, 5, 157-164.	2.9	16
58	Reliability evaluation of insulation subjected to harmonic voltages within the limits set by international standards. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 2037-2046.	2.9	15
59	Space charge measurements in high voltage DC extruded cables in IEEE Standard 1732. IEEE Electrical Insulation Magazine, 2017, 33, 9-15.	0.8	15
60	Wireless partial discharge tracking on cross-linked polyethylene MV and HV cables. IEEE Electrical Insulation Magazine, 2018, 34, 8-17.	0.8	15
61	The Effect of Insulation Characteristics on Thermal Instability in HVDC Extruded Cables. Energies, 2021, 14, 550.	3.1	15
62	Testing Challenges in the Development of Innovative Extruded Insulation for HVDC Cables. IEEE Electrical Insulation Magazine, 2021, 37, 21-32.	0.8	15
63	The Role Played by Current Phase Shift on Magnetic Field Established by AC Double-Circuit Overhead Transmission Linesâ€"Part I: Static Analysis. IEEE Transactions on Power Delivery, 2006, 21, 939-948.	4.3	14
64	An innovative procedure for testing RTV and composite insulators sampled from service in search of diagnostic quantities. IEEE Electrical Insulation Magazine, 2018, 34, 27-38.	0.8	14
65	Surface charging phenomenon on HVDC spacers in compressed SF6 insulation and charge tailoring strategies. CSEE Journal of Power and Energy Systems, 0, , .	1.1	13
66	Dust Figures as a Way for Mapping Surface Charge Distribution â€" A Review. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 853-863.	2.9	13
67	The Effects of Transient Overvoltages on the Reliability of HVDC Extruded Cables. Part 2: Superimposed Switching Impulses. IEEE Transactions on Power Delivery, 2021, 36, 3795-3804.	4.3	13
68	Investigating ac space charge accumulation in polymers by PEA measurements. , 0, , .		12
69	The practical effect of the enlargement law on the electrothermal life model for power-cable lines. IEEE Electrical Insulation Magazine, 2015, 31, 14-22.	0.8	12
70	The statistical enlargement law for HVDC cable lines part 2: application to the enlargement over cable radius. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 202-210.	2.9	12
71	Comparison of Breakdown Performances of Extruded Cables via the Enlargement Law. , 2006, , .		11
72	Conductor Surface Roughness-dependent Gas Conduction Process for HVDC GILâ€"Part II: Experiment. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 988-995.	2.9	11

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73	Design of shunt capacitor circuits for power factor compensation in electrical systems supplying nonlinear loads: a probabilistic approach. IEEE Transactions on Industry Applications, 1998, 34, 675-681.	4.9	10
74	A test set for LEDs life model estimation. , 2010, , .		10
75	The application of the enlargement law to HVDC cable lines. , 2010, , .		10
76	Preliminary Experimental Investigation of the Effect of Long Temporary Overvoltages on the Reliability of HVDC Extruded Cables. , 2020, , .		10
77	High voltage direct current transmission cables to help decarbonisation in Europe: Recent achievements and issues. High Voltage, 2022, 7, 633-644.	4.7	10
78	Multidimensional models for the analysis of linear MHD generator channel plasma flows. IEEE Transactions on Plasma Science, 1992, 20, 473-476.	1.3	9
79	Considerations on the life performance and installation practice of shunt capacitors in the presence of harmonics generated by AC/DC converters. IEEE Transactions on Power Delivery, 1999, 14, 227-234.	4.3	9
80	Voltage endurance of electrical components supplied by distorted voltage waveforms. , 0, , .		9
81	Ageing of polymeric insulating materials and insulation system design. Polymer International, 2002, 51, 1151-1158.	3.1	9
82	Technical comparison among different solutions for overhead power transmission lines. , 2010, , .		9
83	Development of a Life Model for Light Emitting Diodes Stressed by Forward Current. IEEE Transactions on Reliability, 2014, 63, 523-533.	4.6	9
84	RTV pre-coated cap-and-pin toughened glass insulators - a wide experience in the Italian overhead transmission system. , 2015, , .		9
85	A first step towards predicting the life of HVDC cables subjected to load cycles and voltage polarity reversal. , 2015, , .		9
86	The insulation of HVDC extruded cable system joints. Part 2: Proposal of a new AC voltage PD measurement protocol for quality control during routine tests. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 973-980.	2.9	9
87	Comparison of electrical aging tests on EPR-insulated minicables and ribbons from full-sized EPR cable. IEEE Transactions on Dielectrics and Electrical Insulation, 1995, 2, 1095-1099.	2.9	8
88	Application of the Kalman filter for electrical endurance characterization of insulating materials and systems. IEEE Transactions on Dielectrics and Electrical Insulation, 1996, 3, 56-63.	2.9	8
89	Discussion on "Bayesian reliability estimation based on a Weibull stress-strength model for aged power system components subjected to voltage surges" [and reply]. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 935-937.	2.9	8
90	Towards grid parity of solar energy in Italy: The payback time trend of photovoltaic plants during the last years. , 2012, , .		8

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91	A deeper insight into fault location on long submarine power cables. Elektrotechnik Und Informationstechnik, 2014, 131, 355-360.	1.1	8
92	Relationship between the expressions for electrical resistivity and the field profiles in HVDC cable insulation. , 2016, , .		8
93	What have we still to learn about the Inverse Power Model?. , 2016, , .		8
94	Life-Based Geometric Design of HVDC Cablesâ€"Part I: Parametric Analysis. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, 29, 973-980.	2.9	8
95	One- and two-dimensional models for the linear MHD generator channel design. Plasma Devices and Operations, 1992, 2, 125-139.	0.6	7
96	Investigation on thermal endurance of PVC compounds for low voltage cable insulation. , 2007, , .		7
97	Forecasting the Reliability of Components Subjected to Harmonics Generated by Power Electronic Converters. Electronics (Switzerland), 2020, 9, 1266.	3.1	7
98	Space charge and associated electroluminescence processes in XLPE cable peelings. , 0, , .		6
99	Bayes inference for reliability of uv insulation systems in the presence of switching voltage surges using a weibull stress-strength model. , 0, , .		6
100	Comparison and electrical modeling of new polymeric cellular electrets. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2088-2095.	3.0	6
101	Evaluation of Continuous Exposure to Magnetic Field From AC Overhead Transmission Lines Via Historical Load Databases: Common Procedures and Innovative Heuristic Formulas. IEEE Transactions on Power Delivery, 2010, 25, 238-247.	4.3	6
102	Electrical insulation for high temperature superconducting fault current limiters. , 2013, , .		6
103	Monitoring Cable current and Laying Environment Parameters for Assessing the Aging Rate of MV Cable Joint Insulation. , 2018, , .		6
104	Low-Cost Monitoring Unit for MV Cable Joints Diagnostics. , 2018, , .		6
105	A Deeper Insight in Predicting the Effect of Voltage Polarity Reversal on HVDC Cables. , 2019, , .		6
106	A deeper insight into the application of the enlargement law to HVDC cable lines. , 2011, , .		5
107	Merging the electro-thermal life model for power cables with the statistical volume enlargement law. , 2014, , .		5
108	Critical issues in the PD testing methodology for XLPE-insulated MV cables: An experimental case. , 2017, , .		5

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109	Improved Evaluation of the Life Lost by HVDC Extruded Cables due to Long TOVs. IEEE Transactions on Power Delivery, 2022, 37, 1906-1915.	4.3	5
110	Growth properties of sulfide trees in cables under dc stress. IEEE Transactions on Dielectrics and Electrical Insulation, 1997, 4, 800-805.	2.9	4
111	A probabilistic life model for reliability analysis of power cables feeding electric traction systems. , 0, , .		4
112	The Role Played by Current Phase Shift on Magnetic Field Established by Double-Circuit Overhead Transmission Linesâ€"Part II: Dynamic Analysis. IEEE Transactions on Power Delivery, 2006, 21, 949-958.	4.3	4
113	The Effect of Conductor Radius and Insulation Thickness in the Application of the Enlargement Law for Comparing Power Cable Breakdown Performances. , 2007, , .		4
114	A procedure for space charge measurements in full-size HVDC extruded cables. , 2011, , .		4
115	Some modeling problems for four-phase power transmission systems. , 2011, , .		4
116	Distortion limits in international standards vs. reliability of power components: Always on the safe side as to low-order voltage harmonics?. , 2012, , .		4
117	Main Principles of HVDC Extruded Cable Design. , 2013, , 41-98.		4
118	More insight into the effects of load cycles and electrothermal stress on HVDC extruded cable reliability in the prequalification test. , 2013, , .		4
119	More insight into the extension of pre-qualification test for HV and EHV AC extruded cable systems. , 2013, , .		4
120	Effects of load cycles on AC extruded cable reliability: Is a reduced pre-qualification test always the right choice?. , 2013, , .		4
121	Feasibility of High Voltage DC superconducting cables with extruded warm dielectric. , 2014, , .		4
122	Bayes estimation of Inverse Weibull distribution for extreme wind speed prediction. , 2015, , .		4
123	A testing procedure for RTV pre-coated glass cap-and-pin and composite insulators sampled from field. , 2017, , .		4
124	Deeper Insight into the Relationship between Experimental Expressions of Conductivity and DC Electric field in cables. , 2021, , .		4
125	The Compound Inverse Rayleigh as an Extreme Wind Speed Distribution and Its Bayes Estimation. Energies, 2022, 15, 861.	3.1	4
126	Critical examination of the life models for electrical insulation under combined stresses in the light of the boundary conditions. , 0, , .		3

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127	Theoretical considerations on a probabilistic approach to economic optimization of multi-step power factor correction apparatus. , 0, , .		3
128	Indirect reliability estimation for electric devices via a dynamic "Stress-strength" model. , 0, , .		3
129	A new reliability model for power system components characterized by dynamic stress and strength. , 0, , .		3
130	Can Four-Phase Transmission Lines be Considered as a Practical Alternative to Traditional Three-Phase Lines in the European electricity market?. , 2007, , .		3
131	Crossing quantities: How to compare electrical strength performances of insulation compounds for power cables. Energy, 2009, 34, 245-253.	8.8	3
132	Toward a BITE for real time MTTF estimation of capacitors. , 2010, , .		3
133	Simple calculation method of the magnetic field from double-circuit twisted three-phase cables as a tool for fault detection. , 2011, , .		3
134	Comparative analysis of overhead power transmission lines based on loadability characteristics. , 2011, , .		3
135	The economic feasibility of four-phase AC overhead connections. , 2011, , .		3
136	Lightning and switching impulse levels selection for long DC cable lines. , 2011, , .		3
137	Some hints at the combined effects of load cycles and electrothermal stress on HVDC extruded cable reliability in the long term prequalification test. , 2012, , .		3
138	The state of the art about electric arc furnaces for steel use and the compensation of their perturbing effects on the grid. , 2012, , .		3
139	Comparison of two different estimation methods of wind speed extreme values. , 2015, , .		3
140	Technical committees. IEEE Electrical Insulation Magazine, 2019, 35, 59-61.	0.8	3
141	Space charges and life models for lifetime inference of HVDC cables under voltage polarity reversal. , 2019, , .		3
142	Bulletin Board: Activities of the DEIS Technical Committee on â€œHVDC Cable Systems (Cables, Joints and) Tj ETQq0 0 0 rgBT /Overlock 37, 48-50.	0.8	3
143	Generalization of the method of maximum likelihood [comment and reply]. IEEE Transactions on Dielectrics and Electrical Insulation, 1994, 1, 545-547.	2.9	2
144	Test procedures and lifetime data analysis for electro-thermal endurance characterisation of EPR-insulated cables. IET Science, Measurement and Technology, 1998, 145, 13-19.	0.7	2

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145	The role of micro-structural and mechanical properties in the framework of the model for damage inception and growth from air-filled voids in Polyethylene-based materials for HVDC cables. , 2007, , .		2
146	The so-called “Conto Energia”: An effective incentive to the use of photovoltaic energy in Italy. , 2011, , .		2
147	A smart measurement and evaluation system for the magnetic-field generated by multiple field sources in complex 3-D arrangements. , 2011, , .		2
148	Experimental analysis of LEDs'reliability under combined stress conditions. , 2011, , .		2
149	Comparative analysis of special transformers for four-phase power transmission systems. , 2012, , .		2
150	A deeper insight into impulse levels selection for long DC extruded cable lines. , 2012, , .		2
151	Thermal stress analysis of colored LEDs. , 2015, , .		2
152	Procedure for Verifying Population Exposure Limits to the Magnetic Field from Double-Circuit Overhead Power Lines. Electricity, 2021, 2, 342-358.	2.8	2
153	Guest Editorial: Interface Charging Phenomena for Dielectric Materials. High Voltage, 2020, 5, 93-94.	4.7	2
154	Bayesian Inference of Power System Insulation Reliability in the Presence of Voltage Harmonics. International Review of Electrical Engineering, 2016, 11, 266.	0.2	2
155	Preliminary Experimental Investigation of the Effect of Superimposed Switching Impulses on XLPE-insulated HVDC Cables. , 2021, , .		2
156	The Decreasing Hazard Rate Phenomenon: A Review of Different Models, with a Discussion of the Rationale behind Their Choice. Electronics (Switzerland), 2021, 10, 2553.	3.1	2
157	The role of availability parameters for the choice of stand-alone power plants. , 2009, , .		1
158	Towards real-time life estimation of capacitors subjected to time-varying temperature. , 2010, , .		1
159	Innovative measurement and evaluation apparatus of magnetic field in complex arrangements of multiple field sources. , 2012, , .		1
160	Innovative calculation methods of the magnetic field from single and double-circuit twisted three-phase cables widely used in MV and LV installations. Open Engineering, 2012, 2, .	1.6	1
161	Smart measurement system for the assessment of magnetic fields generated by complex power systems. , 2014, , .		1
162	Bayes parametric estimation of insulation reliability under distorted voltage. , 2014, , .		1

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163	Perâ€unit power costs of traditional and innovative OHLs: a multiâ€criteria comparison. IET Generation, Transmission and Distribution, 2016, 10, 3033-3040.	2.5	1
164	Combination of probabilistic electro-thermal life model and discrete enlargement law for power cable accessories. , 2016, , .		1
165	MAGNETIC FIELD GENERATED BY DOUBLE-CIRCUIT TWISTED THREE-PHASE CABLE LINES. Progress in Electromagnetics Research C, 2017, 73, 115-126.	0.9	1
166	Issues in Space Charge Measurments with the PEA Technique in HVDC Cables: Applicative Case Study. , 2018, , .		1
167	Broadening the Application of the Quick Flashover Test for RTV Pre-coated Glass Cap-and-pin Insulators Sampled from Service in the Italian Transmission Grid. , 2019, , .		1
168	Preliminary Development and Application of a Stress-Strength Model for Reliability Estimation of Aged LV Cables for Nuclear Power Plants. , 2020, , .		1
169	Economic analysis of small-size photovoltaic plants in Italy in the framework of the “Conto Energia”. , 2012, , .		0
170	Comparison between single-circuit overhead transmission lines based on line costs and loadability. , 2012, , .		0
171	Accurate design of controllers in a parallel single-phase inverter system of distributed generators sharing linear and non-linear loads. , 2015, , .		0
172	Special transformers for fourâ€phase power transmission: a general framework. IET Generation, Transmission and Distribution, 2016, 10, 281-290.	2.5	0
173	Fault detection of electrical equipment by rapid calculation of the magnetic field from single-circuit twisted three-phase cables. , 2017, , .		0
174	Genesis, Identification and Bayes Estimation of the Inverse Power Model for Insulation Reliability Assessment. , 2018, , .		0
175	Estimation of a Stress-Strength Insulation Reliability Model by means of a New Bayes Method. , 2018, , .		0
176	A Novel Algorithm for the 3D Calculation of the Magnetic Field Generated by Complex Configurations of Overhead Power Lines. , 2019, , .		0
177	Identifying Electrical Ageing in Polymeric Insulation. , 2020, , .		0
178	The Problem of the Estimation of the End of Life of HVDC Cable Systems: the Influence of Laying Environment, Operational Duty and Cable Technologies. , 2021, , .		0
179	Preliminary Estimation of The Effect of Insulation Losses on HVDC Cable Reliability. , 2020, , .		0
180	Parametric Analysis of HVDC Extruded Cable Reliability for Different Cable Designs. , 2020, , .		0

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181	Preliminary Analysis of the Impact of the Leakage Current on HVDC R&D and Qualification Tests on Power Cables. , 2021, , .		0
182	New challenges for forecasting voltage sags due to lightning phenomena in distribution networks. , 2021, , .		0
183	Fluorinated PEEK and XLPE as Promising Insulation Candidates for the Propulsion System of All-electric Aircraft. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, , 1-1.	2.9	0