

Fermin P Espino-Cortes

List of Publications by Year in descending order

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38
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258
citing authors

#	ARTICLE	IF	CITATIONS
1	Computation of Transient Profiles along Nonuniform Transmission Lines Including Time-Varying and Nonlinear Elements Using the Numerical Laplace Transform. <i>Energies</i> , 2019, 12, 3227.	3.1	4
2	Optimization of Radio Interference Levels for 500 and 600 kV Bipolar HVDC Transmission Lines. <i>Energies</i> , 2019, 12, 3187.	3.1	4
3	Minimization of Radio Interference Levels in a Hybrid Transmission Line. , 2019, , .		0
4	Laplace-based computation of transient profiles along transmission lines including time-varying and non-linear elements. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 106, 138-145.	5.5	3
5	Transmission line fault location based on the computation of transient profile contour maps. , 2018, , .		0
6	Optimization of Corona Radio Interference Levels in HVDC Transmission Lines. , 2018, , .		2
7	Computation of transient profiles along non-uniform transmission lines using the numerical Laplace transform. , 2018, , .		2
8	Animations of electromagnetic transients in power transmission lines by means of the two-dimensional numerical Laplace transform. <i>International Journal of Electrical Power and Energy Systems</i> , 2017, 93, 171-177.	5.5	1
9	Modeling of Transformer Windings for Fast Transient Studies: Experimental Validation and Performance Comparison. <i>IEEE Transactions on Power Delivery</i> , 2017, 32, 1852-1860.	4.3	27
10	Finite element analysis of distribution transformer under harmonics condition: A review. , 2017, , .		0
11	EMTAG: A tool for animating electromagnetic transients in transmission lines. , 2017, , .		1
12	Detection of interturn faults during transformer energization using wavelet transform. , 2016, , .		4
13	Two-Dimensional Definition of the Numerical Laplace Transform for Fast Computation of Transient Profiles Along Power Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2016, 31, 412-414.	4.3	12
14	Simulation of the effect of armor coating conductivity on the stress grading coating performance under PWM multilevel waveforms. , 2015, , .		11
15	Partial discharges measurements in arrangements of insulator-covered conductor. , 2015, , .		1
16	Computation of transient voltage and current profiles along illuminated multiconductor lines by means of the numerical Laplace transform. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 1608-1613.	2.5	5
17	Performance of a spacer cable system under polluted conditions. <i>IEEE Electrical Insulation Magazine</i> , 2014, 30, 13-19.	0.8	4
18	Improved Computation of Core Inductance for Fast Transient Analysis of Transformers. <i>IEEE Transactions on Power Delivery</i> , 2014, 29, 2034-2036.	4.3	4

#	ARTICLE	IF	CITATIONS
19	Implementation of time domain transformer winding models for fast transient analysis using Simulink. International Journal of Electrical Power and Energy Systems, 2014, 61, 118-126.	5.5	8
20	Electric field analysis of spacer cable systems under polluted conditions. , 2014, , .		1
21	Accurate Computation of Transient Profiles Along Multiconductor Transmission Systems by Means of the Numerical Laplace Transform. IEEE Transactions on Power Delivery, 2014, 29, 2385-2393.	4.3	15
22	Improvement of a Method to Compute the Inductance Matrix of Multilayer Transformer Windings for Very Fast Transients. IEEE Transactions on Power Delivery, 2013, 28, 1245-1246.	4.3	6
23	Optimized design of electric field grading systems in 115 kV non-ceramic insulators. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 63-70.	2.9	34
24	Electric stress grading on bushings of combined instrument transformers using high permittivity polymeric composites. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 2335-2342.	2.9	7
25	Computation of transient voltage profiles along transmission lines by successive application of the numerical Laplace transform. , 2013, , .		4
26	Analysis of the electric field distribution on insulating supports of dryâ€type transformers under high temperature. IET Electric Power Applications, 2013, 7, 331-337.	1.8	15
27	Compensation mechanisms at high temperature in Y-doped BaTiO ₃ . Physica B: Condensed Matter, 2013, 410, 157-161.	2.7	11
28	Three dimensional electric field analysis in spacer cable systems. , 2012, , .		2
29	Electric-Field Analysis of Spacer Cable Systems for Compact Overhead Distribution Lines. IEEE Transactions on Power Delivery, 2012, 27, 2312-2317.	4.3	12
30	Evaluation of tape-based stress grading coatings by infrared thermography. , 2012, , .		2
31	Computation of the dielectric stresses produced by PWM type waveforms on medium voltage transformer windings. , 2011, , .		7
32	Modeling of heat generated on stress grading coatings of motors fed by multilevel drives. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1328-1333.	2.9	18
33	Stress grading materials for cable terminations under fast-rise time pulses. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 430-435.	2.9	27
34	Effects of Process and Product Parameters on the Shape of Nanosecond Pulses Used in High-Field Liquid Food Treatment. IEEE Transactions on Industry Applications, 2005, 41, 520-526.	4.9	18
35	Effectiveness of Stress Grading Coatings on Form Wound Stator Coil Groundwall Insulation Under Fast Rise Time Pulse Voltages. IEEE Transactions on Energy Conversion, 2005, 20, 844-851.	5.2	66
36	Dynamics of the pulsed high-current vacuum arc in semiuniform electrode geometry. IEEE Transactions on Plasma Science, 2002, 30, 1893-1896.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Correction factors for positive dc voltages. IEEE Transactions on Dielectrics and Electrical Insulation, 1998, 5, 541-544.	2.9	5
38	Electromagnetic Spectrum of the Corona Discharge and Their Fundamental Frequency. , 0, , .		0