Fermin P Espino-Cortes

List of Publications by Year
in descending order

38	343	840776 11	888059 17
papers	citations	h-index	g-index

38	38	38	258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Modeling of Transformer Windings for Fast Transient Studies: Experimental Validation and Performance Comparison. IEEE Transactions on Power Delivery, 2017, 32, 1852-1860.	4.3	27
5	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
6	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
7	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
8	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
9	Electric-Field Analysis of Spacer Cable Systems for Compact Overhead Distribution Lines. IEEE Transactions on Power Delivery, 2012, 27, 2312-2317.	4.3	12
10	Two-Dimensional Definition of the Numerical Laplace Transform for Fast Computation of Transient Profiles Along Power Transmission Lines. IEEE Transactions on Power Delivery, 2016, 31, 412-414.	4.3	12
11	Compensation mechanisms at high temperature in Y-doped BaTiO3. Physica B: Condensed Matter, 2013, 410, 157-161.	2.7	11
12	Simulation of the effect of armor coating conductivity on the stress grading coating performance under PWM multilevel waveforms. , 2015, , .		11
13	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
14	Computation of the dielectric stresses produced by PWM type waveforms on medium voltage transformer windings. , 2011, , .		7
15	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
16	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
17	Correction factors for positive dc voltages. IEEE Transactions on Dielectrics and Electrical Insulation, 1998, 5, 541-544.	2.9	5
18	Computation of transient voltage and current profiles along illuminated multiconductor lines by means of the numerical Laplace transform. IET Generation, Transmission and Distribution, 2015, 9, 1608-1613.	2.5	5

#	Article	IF	Citations
19	Computation of transient voltage profiles along transmission lines by successive application of the numerical Laplace transform. , 2013, , .		4
20	Performance of a spacer cable system under polluted conditions. IEEE Electrical Insulation Magazine, 2014, 30, 13-19.	0.8	4
21	Improved Computation of Core Inductance for Fast Transient Analysis of Transformers. IEEE Transactions on Power Delivery, 2014, 29, 2034-2036.	4.3	4
22	Detection of interturn faults during transformer energization using wavelet transform. , 2016, , .		4
23	Computation of Transient Profiles along Nonuniform Transmission Lines Including Time-Varying and Nonlinear Elements Using the Numerical Laplace Transform. Energies, 2019, 12, 3227.	3.1	4
24	Optimization of Radio Interference Levels for 500 and 600 kV Bipolar HVDC Transmission Lines. Energies, 2019, 12, 3187.	3.1	4
25	Laplace-based computation of transient profiles along transmission lines including time-varying and non-linear elements. International Journal of Electrical Power and Energy Systems, 2019, 106, 138-145.	5.5	3
26	Three dimensional electric field analysis in spacer cable systems. , 2012, , .		2
27	Evaluation of tape-based stress grading coatings by infrared thermography. , 2012, , .		2
28	Optimization of Corona Radio Interference Levels in HVDC Transmission Lines. , 2018, , .		2
29	Computation of transient profiles along non-uniform transmission lines using the numerical Laplace transform. , 2018, , .		2
30	Electric field analysis of spacer cable systems under polluted conditions. , 2014, , .		1
31	Partial discharges measurements in arrangements of insulator-covered conductor. , 2015, , .		1
32	Animations of electromagnetic transients in power transmission lines by means of the two-dimensional numerical Laplace transform. International Journal of Electrical Power and Energy Systems, 2017, 93, 171-177.	5.5	1
33	EMTAG: A tool for animating electromagnetic transients in transmission lines. , 2017, , .		1
34	Dynamics of the pulsed high-current vacuum arc in semiuniform electrode geometry. IEEE Transactions on Plasma Science, 2002, 30, 1893-1896.	1.3	0
35	Finite element analysis of distribution transformer under harmonics condition: A review. , 2017, , .		0
36	Transmission line fault location based on the computation of transient profile contour maps. , 2018, , .		0

#	Article	IF	Citations
37	Minimization of Radio Interference Levels in a Hybrid Transmission Line. , 2019, , .		0
38	Electromagnetic Spectrum of the Corona Discharge and Their Fundamental Frequency. , 0, , .		0