

Juan Carlos Cañas Lorenzo

List of Publications by Year in descending order

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37
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxational study of poly(ethylene-2,6-naphthalene dicarboxylate) by t.s.d.c., d.e.a. and d.m.a.. Polymer, 1999, 40, 1181-1190.	1.8	46
2	TSC study of the polar and free charge peaks of amorphous polymers. IEEE Transactions on Electrical Insulation, 1993, 28, 287-293.	0.8	38
3	Comparative study of mechanical and electrical relaxations in poly(etherimide). Part 1. Polymer International, 1998, 46, 11-19.	1.6	36
4	Thermally stimulated depolarization currents of crosslinked polyethylene relaxations in the fusion range of temperatures. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1412-1421.	2.4	36
5	Comparative study of amorphous and partially crystalline poly(ethylene-2,6-naphthalene) Tj ETQq1 1 0.784314 rgBT /Overlock_10 Tf 50	1.8	35
6	Glass transition studies in physically aged partially crystalline poly(ethylene terephthalate) by TSC. Polymer, 1999, 40, 5355-5363.	1.8	34
7	Physical ageing studies in polyetherimide ULTEM 1000. Polymer International, 1998, 46, 29-32.	1.6	31
8	Study of space charge relaxation in PMMA at high temperatures by dynamic electrical analysis. Polymer, 2001, 42, 1647-1651.	1.8	29
9	Windowing polarization: considerations for the study of the space charge relaxation in poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock_10 Tf 50	1.8	28
10	Space charge relaxation in polyetherimides by the electric modulus formalism. Journal of Applied Physics, 2000, 88, 4807.	1.1	28
11	A relaxational and conductive study on two poly(ether imide)s. Polymer International, 2004, 53, 1368-1377.	1.6	28
12	Comparative TSPC, TSDC and DSC physical ageing studies on PET-a. Polymer, 1998, 39, 2795-2801.	1.8	26
13	Comparative study of mechanical and electrical relaxations in poly(etherimide). Part 2. Polymer International, 1998, 46, 20-28.	1.6	21
14	Annealing effect on the conductivity of XLPE insulation in power cable. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1554-1561.	1.8	21
15	Cold crystallization effects in free charge relaxation in PET and PEN. Polymer, 2000, 41, 8393-8400.	1.8	19
16	Space charge studies of crosslinked polyethylene midvoltage cable insulation by thermally stimulated depolarization current, infrared/Fourier transform infrared, and scanning electron microscopy. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4164-4174.	2.4	17
17	TSDC study of XLPE recrystallization effects in the melting range of temperatures. Journal Physics D: Applied Physics, 2006, 39, 1932-1938.	1.3	16
18	Polarization time effect on PMMA space-charge relaxation by TSDC. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 1971-1980.	2.4	15

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19	Sublinear dispersive conductivity in polymethyl methacrylate at temperatures above the glass transition. <i>Polymer</i> , 2004, 45, 2737-2742.	1.8	14
20	INDISIM-YEAST: an individual-based simulator on a website for experimenting and investigating diverse dynamics of yeast populations in liquid media. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1359-1366.	1.4	14
21	TSDC study of the glass transition: correlation with calorimetric data. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1138-1145.	1.3	9
22	Effect of annealing on conductivity in XLPE mid-voltage cable insulation. <i>Journal of Electrostatics</i> , 2007, 65, 122-131.	1.0	9
23	Effect of humidity in charge formation and transport in LDPE. <i>Journal of Electrostatics</i> , 2013, 71, 611-617.	1.0	9
24	Behaviour of amorphous poly(ethylene terephthalate) annealed at $T < T_g$ by thermally stimulated currents. <i>Journal of Materials Science</i> , 1993, 28, 3805-3808.	1.7	8
25	Influence of EVA-carbon black based SC-shield in free charge in LDPE. , 2011, , .		8
26	Identification of dipolar relaxations in dielectric spectra of mid-voltage cross-linked polyethylene cables. <i>Journal of Electrostatics</i> , 2011, 69, 119-125.	1.0	7
27	Influence of internal flexibility on the double glass transition in a series of odd non-symmetric liquid crystal dimers characterised by dielectric measurements. <i>Liquid Crystals</i> , 2017, 44, 1007-1022.	0.9	7
28	Dielectric study of the glass transition of PET/PEN blends. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 505301.	1.3	5
29	Sublinear dispersive conductivity in polyetherimides by the electric modulus formalism. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015, 22, 3327-3333.	1.8	5
30	Effects of UV radiation on the charge trapping capability of PET. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 155301.	1.3	4
31	A free accessible individual-based simulator enabling virtual experiments on soil organic matter processes in classroom. <i>Journal of Technology and Science Education</i> , 2013, 3, .	0.5	2
32	The windowing polarization technique and its possibilities in the study of conduction mechanisms in polymers. , 0, , .		1
33	Relaxation of space charge in polyetherimide by dynamic electrical analysis and thermally stimulated depolarization currents. , 0, , .		1
34	Method to distinguish between space-charge and dipolar relaxation in the TSDC spectra of polyethylene electrical insulation. , 2010, , .		1
35	Cold crystallization effects in PET and PEN by TSDC, DSC and X-ray diffraction. , 0, , .		0
36	Space charge studies on mid-voltage cable by thermally stimulated depolarization currents in the melting temperature range. , 0, , .		0

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37	Charge storage and retention in electret dielectric layers for energy harvesting applications. , 2014, , .		0