

JosÃ© Alberto Giacometti

List of Publications by Year in descending order

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106
papers

2,602
citations

236925

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223800

46
g-index

109
all docs

109
docs citations

109
times ranked

2602
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Analysis of Chitosan Based Networks. Carbohydrate Polymers, 2005, 62, 97-103.	10.2	435
2	Corona charging of polymers. IEEE Transactions on Electrical Insulation, 1992, 27, 924-943.	0.8	175
3	Corona charging of polymers: recent advances on constant current charging. Brazilian Journal of Physics, 1999, 29, 269-279.	1.4	122
4	Point-to-plane corona: Current-voltage characteristics for positive and negative polarity with evidence of an electronic component. Journal of Applied Physics, 1986, 59, 3045-3049.	2.5	105
5	Phase Transition in Poly(Vinylidene Fluoride) Investigated with Micro-Raman Spectroscopy. Applied Spectroscopy, 2005, 59, 275-279.	2.2	94
6	Electric field distribution and near-surface modifications in soda-lime glass submitted to a dc potential. Journal of Non-Crystalline Solids, 1993, 159, 204-212.	3.1	85
7	Constant current corona triode with grid voltage control. Application to polymer foil charging. Review of Scientific Instruments, 1990, 61, 1143-1150.	1.3	66
8	Optically Induced Birefringence and Surface Relief Gratings in Composite Langmuir-Blodgett (LB) Films of Poly[4-[[2-(methacryloyloxy)ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) and Cadmium Stearate. Macromolecules, 1999, 32, 1493-1499.	4.8	66
9	Conductive composites of natural rubber and carbon black for pressure sensors. Synthetic Metals, 2003, 135-136, 99-100.	3.9	55
10	Storage Studies of Langmuir-Blodgett (LB) Films of Methacrylate Copolymers Derivatized with Disperse Red-13. Macromolecules, 1999, 32, 5277-5284.	4.8	50
11	Study of poling behavior of biaxially stretched poly(vinylidene fluoride) films using the constant-current corona triode. Journal of Applied Physics, 1995, 78, 5597-5603.	2.5	37
12	Structural characterization of blends containing both PVDF and natural rubber latex. Journal of Raman Spectroscopy, 2005, 36, 1118-1124.	2.5	37
13	Optical Storage in Mixed Langmuir-Blodgett (LB) Films of Disperse Red-19 Isophorone Polyurethane and Cadmium Stearate. Langmuir, 1999, 15, 4560-4564.	3.5	36
14	Study of the thermomechanical and electrical properties of conducting composites containing natural rubber and carbon black. Journal of Applied Polymer Science, 2007, 106, 1001-1006.	2.6	36
15	Interaction of small amounts of bovine serum albumin with phospholipid monolayers investigated by surface pressure and atomic force microscopy. Journal of Colloid and Interface Science, 2006, 297, 546-553.	9.4	35
16	Optical storage in mixed Langmuir-Blodgett (LB) films of azopolymers and cadmium stearate. Polymer, 2001, 42, 6539-6544.	3.8	34
17	Preparation, characterization and taste sensing properties of Langmuir-Blodgett Films from mixtures of polyaniline and a ruthenium complex. Polymer, 2003, 44, 4205-4211.	3.8	34
18	Constant schubweg for hole transport in corona charged fluorethylenepropylene. Applied Physics A: Solids and Surfaces, 1985, 37, 89-94.	1.4	33

#	ARTICLE	IF	CITATIONS
19	Charge Storage and Transport in Electron-Irradiated and Corona-Charged Dielectrics. IEEE Transactions on Nuclear Science, 1981, 28, 4513-4522.	2.0	32
20	Chromophore aggregation hampers photoisomerization in Langmuir-Blodgett films of stearyl ester of Disperse Red-13 (DR13St). Chemical Physics Letters, 2000, 317, 1-5.	2.6	31
21	Constant current corona charging of PVF2. Journal of Applied Physics, 1984, 56, 1487-1491.	2.5	30
22	Radial current-density distributions and sample charge uniformity in a corona triode. Journal Physics D: Applied Physics, 1987, 20, 675-682.	2.8	29
23	Effects of a corona discharge on the charge stability of Teflon FEP negative electrets. Journal Physics D: Applied Physics, 1989, 22, 663-669.	2.8	28
24	Temperature dependence of photoinduced birefringence in mixed Langmuir-Blodgett (LB) films of azobenzene-containing polymers. Polymer, 2002, 43, 3753-3757.	3.8	28
25	Surface potential decay in insulators with deep traps. Journal of Applied Physics, 1981, 52, 4546-4552.	2.5	27
26	Langmuir and Langmuir-Blodgett films of a homopolymer of Disperse Red-13. Thin Solid Films, 1998, 323, 257-264.	1.8	27
27	A novel method for electret production using impulse voltages. IEEE Transactions on Electrical Insulation, 1992, 27, 739-743.	0.8	26
28	Manipulation of anchoring strength in an azo-dye side chain polymer by photoisomerization. Physical Review E, 2003, 67, 041701.	2.1	26
29	Influence of Solution Treatment on the Adsorption and Morphology of Poly(o-methoxyaniline) Layer-by-Layer Films. Journal of Physical Chemistry B, 2004, 108, 13599-13606.	2.6	26
30	Study of the growth process of in situ polyaniline deposited films. Journal of Colloid and Interface Science, 2007, 316, 292-297.	9.4	26
31	Dynamic Scale Theory for Characterizing Surface Morphology of Layer-by-Layer Films of Poly(o-methoxyaniline). Journal of Nanoscience and Nanotechnology, 2004, 4, 548-552.	0.9	25
32	Morphology characterization of layer-by-layer films from PAH/MA-co-DR13: the role of film thickness. Journal of Colloid and Interface Science, 2005, 285, 544-550.	9.4	25
33	Measuring hysteresis loops of ferroelectric polymers using the constant charging current corona triode. Review of Scientific Instruments, 1991, 62, 1840-1843.	1.3	23
34	The use of an e-tongue for discriminating ethanol/water mixtures and determination of their water content. Sensors and Actuators B: Chemical, 2016, 230, 566-570.	7.8	23
35	Deep exponential distribution of traps in naphthalene. Applied Physics Letters, 1979, 34, 226-228.	3.3	22
36	Constant-current corona charging of biaxially stretched PVDF films in humidity-controlled atmospheres. IEEE Transactions on Electrical Insulation, 1992, 27, 744-750.	0.8	22

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37	On optical phase conjugation in polystyrene films containing the azobenzene dye Disperse Red 1. <i>Journal of Optics</i> , 1998, 7, 709-721.	0.5	21
38	Mixed Langmuir and Langmuir-Blodgett Films of Disperse Red-13 Dye-Derivatized Methacrylic Homopolymer and Cadmium Stearate. <i>Langmuir</i> , 1998, 14, 3614-3619.	3.5	20
39	Influence of Ionic Interactions on the Photoinduced Birefringence of Poly[1-[4-(3-Carboxy-4-Terphenyl)phenyl]acetylene] and Nanotechnology, 2007, 7, 2659-2666.	0.9	20
40	Impedance e-tongue instrument for rapid liquid assessment. <i>Review of Scientific Instruments</i> , 2009, 80, 026107.	1.3	20
41	Negative charge transport in fluorethylenepropylene by the constant current method. <i>Physica Status Solidi A</i> , 1985, 88, 297-307.	1.7	19
42	Constant current: A method for obtaining hysteresis loops in ferroelectric materials. <i>Review of Scientific Instruments</i> , 1999, 70, 2699-2702.	1.3	19
43	Adsorption processes in layer-by-layer films of poly(o-methoxyaniline): the role of aggregation. <i>Thin Solid Films</i> , 2003, 428, 232-236.	1.8	19
44	Influence from the Free Volume on the Photoinduced Birefringence in Azocompound-Containing Polymers. <i>Macromolecules</i> , 2006, 39, 4914-4919.	4.8	19
45	Thermal pulse study of the polarization distributions produced in polyvinylidene fluoride by corona poling at constant current. <i>Journal of Applied Physics</i> , 1993, 74, 3357-3365.	2.5	18
46	Impedance spectroscopy study of dehydrated chitosan and chitosan containing LiClO ₄ . <i>Physica B: Condensed Matter</i> , 2010, 405, 4439-4444.	2.7	18
47	Interactions at the Molecular Level between Biphosphine Ruthenium Complexes and Stearic Acid in Langmuir and Langmuir-Blodgett Films. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7272-7277.	2.6	17
48	Spectroscopic and Electrochemical Characterization of Polyaniline and a Ruthenium Complex, mer-[RuCl ₃ (dppb)(py)], in the Form of Langmuir-Blodgett Films. <i>Langmuir</i> , 2002, 18, 540-546.	3.5	16
49	Competition between anchoring and reversible photo-induced alignment of a nematic liquid crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 911-914.	2.3	16
50	Study of ferroelectric polarization in poly(vinylidene fluoride) using the constant current method. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 2483-2488.	2.8	15
51	Langmuir and Langmuir-Blodgett Films of Polyfluorenes and Their Use in Polymer Light-Emitting Diodes. <i>Journal of Polymer Research</i> , 2007, 14, 39-44.	2.4	15
52	Chromophore Relaxation in a Side-Chain Methacrylate Copolymer Functionalized with 4-[N-Ethyl-N-(2-hydroxyethyl)]amino-2-chloro-4-nitroazobenzene. <i>Macromolecules</i> , 2004, 37, 2618-2624.	4.8	13
53	Electric-field-induced phase changes in polyvinylidene fluoride: Effects from corona polarity and moisture. <i>Applied Physics Letters</i> , 1993, 62, 1091-1093.	3.3	12
54	Optical storage in mixed Langmuir-Blodgett (LB) films of disperse Red 19. <i>Synthetic Metals</i> , 2001, 121, 1479-1480.	3.9	12

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55	Aggregation in Langmuir and Langmuir-Blodgett films of azopolymers and its role for optically induced birefringence. <i>Polymer</i> , 2002, 43, 4385-4390.	3.8	12
56	Electrical characterization of in situ polymerized polyaniline thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 143, 31-37.	3.5	12
57	Morphological characterization of Langmuir-Blodgett films from polyaniline and a ruthenium complex (Rupy): influence of the relative concentration of Rupy. <i>Nanotechnology</i> , 2007, 18, 075713.	2.6	11
58	Open-Circuit TSD Method and Anomalous Air Gap Current in Teflon® FEP. <i>IEEE Transactions on Electrical Insulation</i> , 1986, EI-21, 383-387.	0.8	10
59	An electret transducer for impulse voltage measurements. <i>IEEE Transactions on Industry Applications</i> , 1992, 28, 1217-1222.	4.9	10
60	Corona poling and electroactivity in a side-chain methacrylate copolymer. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2000, 7, 572-577.	2.9	10
61	Electric measurements with constant current: A practical method for characterizing dielectric films. <i>Review of Scientific Instruments</i> , 2001, 72, 4223-4227.	1.3	10
62	Photoinduced birefringence at low temperatures in Langmuir-Blodgett films of azobenzene-functionalized copolymers. <i>Synthetic Metals</i> , 2003, 138, 153-156.	3.9	10
63	Temperature Dependence of Photoinduced Birefringence in Polystyrene Doped with Disperse Red-1. <i>Macromolecular Rapid Communications</i> , 2002, 23, 948-951.	3.9	9
64	Electrical characterization of poly(amide-imide) for application in organic field effect devices. <i>Organic Electronics</i> , 2012, 13, 2109-2117.	2.6	9
65	Interface state contribution to the photovoltaic effect in organic phototransistors: Photocapacitance measurements and optical sensing. <i>Organic Electronics</i> , 2018, 52, 79-88.	2.6	9
66	Thermal pulse study of the electric polarization in a copolymer of vinylidene cyanide and vinyl acetate. <i>Journal of Applied Physics</i> , 1996, 80, 6407-6415.	2.5	8
67	Corona discharge: A doping method for polyaniline. <i>Applied Physics Letters</i> , 1998, 72, 3279-3281.	3.3	8
68	Diffusion-controlled growth of aggregates in layer-by-layer films of poly(o-methoxyaniline). <i>Synthetic Metals</i> , 2003, 135-136, 121-122.	3.9	8
69	Photoinduced orientation in natural rubber. <i>Chemical Physics Letters</i> , 2012, 531, 110-113.	2.6	8
70	Thermally stimulated polarization in dye doped polystyrene explained via the Williams-Watts relaxation model. <i>Journal Physics D: Applied Physics</i> , 1998, 31, 2051-2056.	2.8	7
71	Doping of polyaniline by corona discharge. <i>Journal of Applied Physics</i> , 2000, 87, 3878-3882.	2.5	7
72	Preparation and Characterization of PANi-PMMA Dispersions. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 267-273.	2.4	7

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73	H-bonding in entrapped water in poly(o-methoxyaniline): Results from a differential scanning calorimetry study. <i>Thermochimica Acta</i> , 2006, 441, 124-126.	2.7	7
74	Kinetics of photoinduced birefringence in the guest-host system of poly(methyl methacrylate) doped with azobenzene-containing crown ethers. <i>Journal of Applied Polymer Science</i> , 2007, 105, 130-136.	2.6	7
75	Lipp study of a glass sample previously submitted to a DC potential. <i>Solid State Communications</i> , 1991, 79, 825-828.	1.9	6
76	Formation and relaxation of poled order in dye doped polystyrene probed by isothermal and nonisothermal current measurements. <i>Journal of Applied Physics</i> , 1997, 82, 4355-4361.	2.5	6
77	Ferroelectric Behavior of P(VDF-TrFE)/PMMA Low-Crystallinity Blends. <i>Ferroelectrics</i> , 2002, 268, 101-106.	0.6	6
78	Light Emitting Diodes Containing Langmuir-Blodgett Films of Copolymer of a Poly(p-phenylene-vinylene) Derivative and Poly(octaneoxide). <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2432-2435.	0.9	6
79	Surface potential decay in naphthalene. <i>Applied Physics Letters</i> , 1978, 32, 794-796.	3.3	5
80	<title>Corona poling of a ferroelectric polymer (PVDF)</title>. , 1999, , .		5
81	Langmuir films of P(VDF-TrFE) copolymers. <i>Synthetic Metals</i> , 1999, 102, 1411.	3.9	5
82	Annealing effects on conductivity and optical properties of the PANi layer in ITO/PAni/PPV+DBS/Al polymer light-emitting diodes. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 436221.	1.8	5
83	Fast Dynamics in the Optical Storage with Langmuir-Blodgett Films of a Diazocrown Ether Molecule. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6367-6375.	0.9	5
84	Impedance of Aqueous Solutions of KCl at the Ultra-low Frequency Range: Use of Cole-Cole Impedance Element to Account for the Frequency Dispersion Peak at 20ÅmHz. <i>Brazilian Journal of Physics</i> , 2016, 46, 50-55.	1.4	5
85	Corona triode current-voltage characteristics: on effects possibly caused by the electronic component. <i>Journal Physics D: Applied Physics</i> , 1993, 26, 628-633.	2.8	4
86	Self-controlled pre-breakdown discharges in planar symmetry. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 1998, 5, 77-81.	2.9	4
87	Influence of preparation methods and thermal treatment in melt-solidified and cast films of poly(vinylidene fluoride-trifluorethylene)copolymers. <i>Ferroelectrics, Letters Section</i> , 1998, 23, 99-105.	1.0	4
88	Preparation and characterization of Langmuir-Blodgett films of 16-membered azobenzocrown ether with naphthalene residue. <i>Synthetic Metals</i> , 2009, 159, 2378-2380.	3.9	4
89	Constant-current corona triode adapted and optimized for the characterization of thin dielectric films. <i>Review of Scientific Instruments</i> , 2018, 89, 055109.	1.3	4
90	An Experimentally Verified Current-Conservation Relation. <i>IEEE Transactions on Electrical Insulation</i> , 1986, EI-21, 275-279.	0.8	3

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91	A Study on Langmuir Monolayers of Methacrylate Homo- and Copolymers Derivatized with Disperse Red Dyes. Materials Research Society Symposia Proceedings, 1997, 488, 927.	0.1	3
92	Morphology changes induced by laser irradiation on disperse red 13 films prepared by physical vapor deposition. Synthetic Metals, 2003, 137, 1477-1478.	3.9	3
93	Dispositivos flexíveis de monitoramento de pH e de deflexão mecânica à base de polianilina. Polimeros, 2007, 17, 334-338.	0.7	3
94	A guiding method to select and reduce the number of sensing units in electronic tongues. , 2016, , .		3
95	Polarization distribution and stability in nonlinear optical polymers. , 1994, , .		2
96	Spectroscopy and electrochemical characterization of Langmuir-Blodgett and physical vapor thin films of 29-membered diazocrown ether 1 with two n-octyl substituents. Synthetic Metals, 2012, 162, 995-999.	3.9	2
97	Determination of photoinduced and intrinsic birefringences in PMMA/DR13 guest-host film. Chemical Physics Letters, 2014, 608, 102-105.	2.6	2
98	Foucault pendulum revisited, the determination of precession angular velocity using Cartesian coordinates. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	2
99	<title>Isothermal and non-isothermal relaxation processes in dye-doped polystyrene</title>. , 1999, 4017, 59.		1
100	Editorial: Useful effects of space charge and dipole polarization: recent developments in polymer electrets and organic semiconductors. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 939-941.	2.9	1
101	Measurement of the electro-optic coefficient during the photoelectric-field assisted poling using a Mach-Zehnder interferometer. Review of Scientific Instruments, 2016, 87, 123102.	1.3	1
102	<title>Formation and relaxation of space charge in corona-poled polystyrene</title>. , 1999, , .		0
103	Surface Characterization of Absorbing Polymer Films Deposited on Transparent Glasses. E-Polymers, 2008, 8, .	3.0	0
104	Incorporation of a liquid crystal to enhance the luminescence properties of Langmuir-Blodgett films of OC10C6-PPV. Journal of Luminescence, 2009, 129, 1381-1384.	3.1	0
105	Water quality monitoring by nanostructured films in a sensing unit system. , 0, 40, 209-214.		0
106	Investigation of Ferroelectricity and Piezoelectricity in Polar and Non-polar Polymers. Brazilian Journal of Physics, 2022, 52, 1.	1.4	0