

JosÃ© Alberto Giacometti

List of Publications by Year in descending order

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106
papers

2,602
citations

236925

25
h-index

223800

46
g-index

109
all docs

109
docs citations

109
times ranked

2602
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Ferroelectricity and Piezoelectricity in Polar and Non-polar Polymers. Brazilian Journal of Physics, 2022, 52, 1.	1.4	0
2	Interface state contribution to the photovoltaic effect in organic phototransistors: Photocapacitance measurements and optical sensing. Organic Electronics, 2018, 52, 79-88.	2.6	9
3	Constant-current corona triode adapted and optimized for the characterization of thin dielectric films. Review of Scientific Instruments, 2018, 89, 055109.	1.3	4
4	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
5	A guiding method to select and reduce the number of sensing units in electronic tongues. , 2016, , .		3
6	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. Brazilian Journal of Physics, 2016, 46, 50-55.	1.4	5
7	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
8	Determination of photoinduced and intrinsic birefringences in PMMA/DR13 guest-host film. Chemical Physics Letters, 2014, 608, 102-105.	2.6	2
9	Electrical characterization of poly(amide-imide) for application in organic field effect devices. Organic Electronics, 2012, 13, 2109-2117.	2.6	9
10	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
11	Photoinduced orientation in natural rubber. Chemical Physics Letters, 2012, 531, 110-113.	2.6	8
12	Impedance spectroscopy study of dehydrated chitosan and chitosan containing LiClO4. Physica B: Condensed Matter, 2010, 405, 4439-4444.	2.7	18
13	Impedance e-tongue instrument for rapid liquid assessment. Review of Scientific Instruments, 2009, 80, 026107.	1.3	20
14	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
15	Preparation and characterization of Langmuir-Blodgett films of 16-membered azobenzocrown ether with naphthalene residue. Synthetic Metals, 2009, 159, 2378-2380.	3.9	4
16	Fast Dynamics in the Optical Storage with Langmuir-Blodgett Films of a Diazocrown Ether Molecule. Journal of Nanoscience and Nanotechnology, 2008, 8, 6367-6375.	0.9	5
17	Surface Characterization of Absorbing Polymer Films Deposited on Transparent Glasses. E-Polymers, 2008, 8, .	3.0	0
18	Light Emitting Diodes Containing Langmuir-Blodgett Films of Copolymer of a Poly(p-phenylene-vinylene) Derivative and Poly(octaneoxide). Journal of Nanoscience and Nanotechnology, 2008, 8, 2432-2435.	0.9	6

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19	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
20	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
21	Dispositivos flexíveis de monitoramento de pH e de deflexão mecânica à base de polianilina. <i>Polimeros</i> , 2007, 17, 334-338.	0.7	3
22	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
23	Study of the thermomechanical and electrical properties of conducting composites containing natural rubber and carbon black. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1001-1006.	2.6	36
24	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
25	Study of the growth process of in situ polyaniline deposited films. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 292-297.	9.4	26
26	Influence of Ionic Interactions on the Photoinduced Birefringence of Poly[1-[4-(3-Carboxy-4)]Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T and <i>Nanotechnology</i> , 2007, 7, 2659-2666.	0.9	20
27	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
28	Influence from the Free Volume on the Photoinduced Birefringence in Azocompound-Containing Polymers. <i>Macromolecules</i> , 2006, 39, 4914-4919.	4.8	19
29	Interaction of small amounts of bovine serum albumin with phospholipid monolayers investigated by surface pressure and atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 546-553.	9.4	35
30	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
31	Editorial: Useful effects of space charge and dipole polarization: recent developments in polymer electrets and organic semiconductors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2006, 13, 939-941.	2.9	1
32	Morphology characterization of layer-by-layer films from PAH/MA-co-DR13: the role of film thickness. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 544-550.	9.4	25
33	Thermal Analysis of Chitosan Based Networks. <i>Carbohydrate Polymers</i> , 2005, 62, 97-103.	10.2	435
34	Structural characterization of blends containing both PVDF and natural rubber latex. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 1118-1124.	2.5	37
35	Preparation and Characterization of PANi-PMMA Dispersions. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 267-273.	2.4	7
36	Phase Transition in Poly(Vinylidene Fluoride) Investigated with Micro-Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 275-279.	2.2	94

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37	Influence of Solution Treatment on the Adsorption and Morphology of Poly(o-methoxyaniline) Layer-by-Layer Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13599-13606.	2.6	26
38	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
39	Dynamic Scale Theory for Characterizing Surface Morphology of Layer-by-Layer Films of Poly(o-methoxyaniline). <i>Journal of Nanoscience and Nanotechnology</i> , 2004, 4, 548-552.	0.9	25
40	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
41	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
42	Preparation, characterization and taste sensing properties of Langmuir-Blodgett Films from mixtures of polyaniline and a ruthenium complex. <i>Polymer</i> , 2003, 44, 4205-4211.	3.8	34
43	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
44	Conductive composites of natural rubber and carbon black for pressure sensors. <i>Synthetic Metals</i> , 2003, 135-136, 99-100.	3.9	55
45	Morphology changes induced by laser irradiation on disperse red 13 films prepared by physical vapor deposition. <i>Synthetic Metals</i> , 2003, 137, 1477-1478.	3.9	3
46	Photoinduced birefringence at low temperatures in Langmuir-Blodgett films of azobenzene-functionalized copolymers. <i>Synthetic Metals</i> , 2003, 138, 153-156.	3.9	10
47	Manipulation of anchoring strength in an azo-dye side chain polymer by photoisomerization. <i>Physical Review E</i> , 2003, 67, 041701.	2.1	26
48	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
49	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
50	Ferroelectric Behavior of P(VDF-TrFE)/PMMA Low-Crystallinity Blends. <i>Ferroelectrics</i> , 2002, 268, 101-106.	0.6	6
51	Temperature Dependence of Photoinduced Birefringence in Polystyrene Doped with Disperse Red-1. <i>Macromolecular Rapid Communications</i> , 2002, 23, 948-951.	3.9	9
52	Temperature dependence of photoinduced birefringence in mixed Langmuir-Blodgett (LB) films of azobenzene-containing polymers. <i>Polymer</i> , 2002, 43, 3753-3757.	3.8	28
53	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
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	Optical storage in mixed Langmuir-Blodgett (LB) films of azopolymers and cadmium stearate. <i>Polymer</i> , 2001, 42, 6539-6544.	3.8	34
56	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
57	Chromophore aggregation hampers photoisomerization in Langmuir-Blodgett films of stearyl ester of Disperse Red-13 (DR13St). <i>Chemical Physics Letters</i> , 2000, 317, 1-5.	2.6	31
58	Doping of polyaniline by corona discharge. <i>Journal of Applied Physics</i> , 2000, 87, 3878-3882.	2.5	7
59	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
60	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
61	<title>Corona poling of a ferroelectric polymer (PVDF)</title>. , 1999, , .		5
62	Langmuir films of P(VDF-TrFE) copolymers. <i>Synthetic Metals</i> , 1999, 102, 1411.	3.9	5
63	Storage Studies of Langmuir-Blodgett (LB) Films of Methacrylate Copolymers Derivatized with Disperse Red-13. <i>Macromolecules</i> , 1999, 32, 5277-5284.	4.8	50
64	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. <i>Macromolecules</i> , 1999, 32, 1493-1499.	4.8	66
65	Optical Storage in Mixed Langmuir-Blodgett (LB) Films of Disperse Red-19 Isophorone Polyurethane and Cadmium Stearate. <i>Langmuir</i> , 1999, 15, 4560-4564.	3.5	36
66	<title>Formation and relaxation of space charge in corona-poled polystyrene</title>. , 1999, , .		0
67	<title>Isothermal and non-isothermal relaxation processes in dye-doped polystyrene</title>. , 1999, 4017, 59.		1
68	Corona charging of polymers: recent advances on constant current charging. <i>Brazilian Journal of Physics</i> , 1999, 29, 269-279.	1.4	122
69	Constant current: A method for obtaining hysteresis loops in ferroelectric materials. <i>Review of Scientific Instruments</i> , 1999, 70, 2699-2702.	1.3	19
70	Langmuir and Langmuir-Blodgett films of a homopolymer of Disperse Red-13. <i>Thin Solid Films</i> , 1998, 323, 257-264.	1.8	27
71	Self-controlled pre-breakdown discharges in planar symmetry. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 1998, 5, 77-81.	2.9	4
72	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

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73	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
74	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
75	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
76	Corona discharge: A doping method for polyaniline. <i>Applied Physics Letters</i> , 1998, 72, 3279-3281.	3.3	8
77	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
78	A Study on Langmuir Monolayers of Methacrylate Homo- and Copolymers Derivatized with Disperse Red Dyes. <i>Materials Research Society Symposia Proceedings</i> , 1997, 488, 927.	0.1	3
79	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
80	Study of poling behavior of biaxially stretched poly(vinylidene fluoride) films using the constant-current corona triode. <i>Journal of Applied Physics</i> , 1995, 78, 5597-5603.	2.5	37
81	Polarization distribution and stability in nonlinear optical polymers. , 1994, , .		2
82	Electric field distribution and near-surface modifications in soda-lime glass submitted to a dc potential. <i>Journal of Non-Crystalline Solids</i> , 1993, 159, 204-212.	3.1	85
83	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
84	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
85	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
86	An electret transducer for impulse voltage measurements. <i>IEEE Transactions on Industry Applications</i> , 1992, 28, 1217-1222.	4.9	10
87	A novel method for electret production using impulse voltages. <i>IEEE Transactions on Electrical Insulation</i> , 1992, 27, 739-743.	0.8	26
88	Constant-current corona charging of biaxially stretched PVDF films in humidity-controlled atmospheres. <i>IEEE Transactions on Electrical Insulation</i> , 1992, 27, 744-750.	0.8	22
89	Corona charging of polymers. <i>IEEE Transactions on Electrical Insulation</i> , 1992, 27, 924-943.	0.8	175
90	Measuring hysteresis loops of ferroelectric polymers using the constant charging current corona triode. <i>Review of Scientific Instruments</i> , 1991, 62, 1840-1843.	1.3	23

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91	Lipp study of a glass sample previously submitted to a DC potential. Solid State Communications, 1991, 79, 825-828.	1.9	6
92	Constant current corona triode with grid voltage control. Application to polymer foil charging. Review of Scientific Instruments, 1990, 61, 1143-1150.	1.3	66
93	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
94	Radial current-density distributions and sample charge uniformity in a corona triode. Journal Physics D: Applied Physics, 1987, 20, 675-682.	2.8	29
95	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
96	An Experimentally Verified Current-Conservation Relation. IEEE Transactions on Electrical Insulation, 1986, EI-21, 275-279.	0.8	3
97	Open-Circuit TSD Method and Anomalous Air Gap Current in Teflon® FEP. IEEE Transactions on Electrical Insulation, 1986, EI-21, 383-387.	0.8	10
98	Negative charge transport in fluorethylenepropylene by the constant current method. Physica Status Solidi A, 1985, 88, 297-307.	1.7	19
99	Constant schubweg for hole transport in corona charged fluorethylenepropylene. Applied Physics A: Solids and Surfaces, 1985, 37, 89-94.	1.4	33
100	Constant current corona charging of PVF2. Journal of Applied Physics, 1984, 56, 1487-1491.	2.5	30
101	Surface-potential decay in insulators with deep traps. Journal of Applied Physics, 1981, 52, 4546-4552.	2.5	27
102	Charge Storage and Transport in Electron-Irradiated and Corona-Charged Dielectrics. IEEE Transactions on Nuclear Science, 1981, 28, 4513-4522.	2.0	32
103	Deep exponential distribution of traps in naphthalene. Applied Physics Letters, 1979, 34, 226-228.	3.3	22
104	Surface-potential decay in naphthalene. Applied Physics Letters, 1978, 32, 794-796.	3.3	5
105	Foucault pendulum revisited, the determination of precession angular velocity using Cartesian coordinates. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	2
106	Water quality monitoring by nanostructured films in a sensing unit system. , 0, 40, 209-214.		0