

Marco-Aurelio De Paoli

List of Publications by Year in descending order

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79
papers

3,987
citations

147801

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118850

62
g-index

79
all docs

79
docs citations

79
times ranked

4288
citing authors

#	ARTICLE	IF	CITATIONS
1	Prof. Adhemar is retiring from Polímeros. Polimeros, 2021, 31, .	0.7	0
2	ABS composites with cellulose fibers: Towards fiber-matrix adhesion without surface modification. Composites Part C: Open Access, 2021, 5, 100142.	3.2	11
3	Evaluation of Stabilizing Additives Content in the Mechanical Properties of Elastomeric Compositions Subject to Environmental and Accelerated Aging. Materials Research, 2020, 23, .	1.3	8
4	Presence of iron in polymers extruded with corrosive contaminants or abrasive fillers. Polimeros, 2019, 29, .	0.7	7
5	Bio-based additives for thermoplastics. Polimeros, 2019, 29, .	0.7	16
6	Biocomposite of a multilayer film scrap and curauí fibers. Journal of Thermoplastic Composite Materials, 2017, 30, 225-240.	4.2	3
7	Polyamide-6 composites reinforced with cellulose fibers and fabricated by extrusion: Effect of fiber bleaching on mechanical properties and stability. Polymer Composites, 2017, 38, 299-308.	4.6	20
8	High-density green polyethylene biocomposite reinforced with cellulose fibers and using lignin as antioxidant. Journal of Applied Polymer Science, 2017, 134, 45219.	2.6	28
9	Lignin as a green primary antioxidant for polypropylene. Journal of Applied Polymer Science, 2016, 133, .	2.6	40
10	Polioléfinas reforçadas com fibras vegetais curtas: sisal – curauí. Polimeros, 2011, 21, 168-174.	0.7	17
11	Synthesis, characterization and introduction of a new ion-coordinating ruthenium sensitizer dye in quasi-solid state TiO ₂ solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 185-191.	3.9	17
12	Conductive composites of polyamide-6 with polyaniline coated vegetal fiber. Chemical Engineering Journal, 2011, 174, 425-431.	12.7	35
13	A polymer gel electrolyte composed of a poly(ethylene oxide) copolymer and the influence of its composition on the dynamics and performance of dye-sensitized solar cells. Journal of Power Sources, 2010, 195, 1246-1255.	7.8	71
14	Analysing metals in bottle-grade poly(ethylene terephthalate) by X-ray fluorescence spectrometry. Journal of Applied Polymer Science, 2010, 117, 2993-3000.	2.6	6
15	Fingerprinting of bottle-grade poly(ethylene terephthalate) via matrix-assisted laser desorption/ionization mass spectrometry. Polymer Degradation and Stability, 2010, 95, 666-671.	5.8	16
16	Distinguishing between virgin and post-consumption bottle-grade poly (ethylene terephthalate) using thermal properties. Polymer Testing, 2010, 29, 879-885.	4.8	16
17	Polyolefin composites with curauí fibres: Effect of the processing conditions on mechanical properties, morphology and fibres dimensions. Composites Science and Technology, 2010, 70, 29-35.	7.8	59
18	Biomicrofibrillar composites of high density polyethylene reinforced with curauí fibers: Mechanical, interfacial and morphological properties. Composites Science and Technology, 2010, 70, 1637-1644.	7.8	59

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19	Cardanolâ€“formaldehyde thermoset composites reinforced with buriti fibers: Preparation and characterization. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1123-1129.	7.6	58
20	Recycled polypropylene reinforced with curaua fibers by extrusion. Journal of Applied Polymer Science, 2009, 112, 3686-3694.	2.6	49
21	Ageing of polyamide 11 used in the manufacture of flexible piping. Journal of Applied Polymer Science, 2009, 114, 1777-1783.	2.6	31
22	Poly (ethylene terephthalate) thermo-mechanical and thermo-oxidative degradation mechanisms. Polymer Degradation and Stability, 2009, 94, 1849-1859.	5.8	82
23	Characterization of lignocellulosic curaua fibres. Carbohydrate Polymers, 2009, 77, 47-53.	10.2	236
24	Polyamideâ€“6/highâ€“density polyethylene blend using recycled highâ€“density polyethylene as compatibilizer: Morphology, mechanical properties, and thermal stability. Polymer Engineering and Science, 2009, 49, 2005-2014.	3.1	16
25	Pilot plant scale preparation of dodecylbenzene sulfonic acid doped polyaniline in ethanol/water solution: Control of doping, reduction of purification time and of residues. Synthetic Metals, 2009, 159, 1968-1974.	3.9	12
26	Synthesis and characterization of aniline copolymers containing carboxylic groups and their application as sensitizer and hole conductor in solar cells. Synthetic Metals, 2009, 159, 2348-2354.	3.9	34
27	New insights into dye-sensitized solar cells with polymer electrolytes. Journal of Materials Chemistry, 2009, 19, 5279.	6.7	264
28	Electrochemical and Structural Characterization of Polymer Gel Electrolytes Based on a PEO Copolymer and an Imidazolium-Based Ionic Liquid for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2009, 1, 2870-2877.	8.0	89
29	Thermal properties of high density polyethylene composites with natural fibres: Coupling agent effect. Polymer Degradation and Stability, 2008, 93, 1770-1775.	5.8	273
30	Use of postconsumer polyethylene in blends with polyamide 6: Effects of the extrusion method and the compatibilizer. Journal of Applied Polymer Science, 2008, 110, 1310-1317.	2.6	23
31	Photodegradation of polypropylene/polystyrene blends: Styreneâ€“butadieneâ€“styrene compatibilisation effect. Polymer Degradation and Stability, 2008, 93, 273-280.	5.8	50
32	Solar module using dye-sensitized solar cells with a polymer electrolyte. Solar Energy Materials and Solar Cells, 2008, 92, 1110-1114.	6.2	45
33	The role of gel electrolyte composition in the kinetics and performance of dye-sensitized solar cells. Electrochimica Acta, 2008, 53, 7166-7172.	5.2	60
34	Enhancement of photocurrent generation and open circuit voltage in dye-sensitized solar cells using Li+ trapping species in the gel electrolyte. Chemical Communications, 2008, , 1121.	4.1	64
35	Application of a composite polymer electrolyte based on montmorillonite in dye-sensitized solar cells. Journal of the Brazilian Chemical Society, 2008, 19, 688-696.	0.6	35
36	Polyamide-6/vegetal fiber composite prepared by extrusion and injection molding. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2404-2411.	7.6	99

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37	Dye-sensitized solar cells based on TiO ₂ nanotubes and a solid-state electrolyte. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 153-160.	3.9	86
38	Sulfonated polystyrene polymer humidity sensor: Synthesis and characterization. Sensors and Actuators B: Chemical, 2007, 123, 42-49.	7.8	90
39	Kinetic competition in flexible dye sensitised solar cells employing a series of polymer electrolytes. Chemical Communications, 2006, , 877.	4.1	16
40	Antistatic coating and electromagnetic shielding properties of a hybrid material based on polyaniline/organoclay nanocomposite and EPDM rubber. Synthetic Metals, 2006, 156, 1249-1255.	3.9	193
41	Determination of intrinsic viscosity of poly(ethylene terephthalate) using infrared spectroscopy and multivariate calibration method. Talanta, 2006, 69, 643-649.	5.5	10
42	Dye-sensitized solar cells and solar module using polymer electrolytes: Stability and performance investigations. International Journal of Photoenergy, 2006, 2006, 1-6.	2.5	15
43	Low cost capillary rheometer, transfer molding and die-drawing module. Polymer Testing, 2006, 25, 197-202.	4.8	6
44	Solid-state dye-sensitized solar cell: Improved performance and stability using a plasticized polymer electrolyte. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 226-232.	3.9	69
45	Dynamic Vulcanization of Thermoplastic Elastomers Based on Poly(Epichlorohydrin-Co-Ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	5
46	Reactive processing and evaluation of butadiene-styrene copolymer/polyaniline conductive blends. Journal of Applied Polymer Science, 2006, 101, 681-685.	2.6	12
47	Antistatic thermoplastic blend of polyaniline and polystyrene prepared in a double-screw extruder. European Polymer Journal, 2005, 41, 2867-2873.	5.4	74
48	Microwave Absorbing Coatings Based on a Blend of Nitrile Rubber, EPDM Rubber and Polyaniline. Polymer Bulletin, 2005, 55, 299-307.	3.3	17
49	A tecnologia da reciclagem de polímeros. Química Nova, 2005, 28, 65-72.	0.3	69
50	Preparação de eletrodos opticamente transparentes. Química Nova, 2005, 28, 345-349.	0.3	7
51	Polymer-electrolyte-film-based humidity sensor with integrated signal conditioner. , 2005, , .		0
52	Microwave absorption properties of a conductive thermoplastic blend based on polyaniline. Polymer Bulletin, 2004, 51, 321-326.	3.3	26
53	Nonisothermal crystallization of reprocessed poly(ethylene terephthalate). Journal of Applied Polymer Science, 2004, 91, 525-531.	2.6	5
54	Electrochromic properties of poly{3-[12-(p-methoxyphenoxy)dodecyl]thiophene}. Electrochimica Acta, 2004, 49, 2237-2242.	5.2	11

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55	Polymers in dye sensitized solar cells: overview and perspectives. <i>Coordination Chemistry Reviews</i> , 2004, 248, 1455-1468.	18.8	409
56	New functionalized 3-(alkyl)thiophene derivatives and spectroelectrochemical characterization of its polymers. <i>Synthetic Metals</i> , 2004, 145, 43-49.	3.9	14
57	Effect of conducting carbon black on the photostabilization of injection molded poly(propylene-co-ethylene) containing TiO ₂ . <i>Polymer Degradation and Stability</i> , 2003, 82, 89-98.	5.8	11
58	Effect of the electrolyte cations and anions on the photocurrent of dodecylsulphate doped polypyrrole films. <i>Solar Energy Materials and Solar Cells</i> , 2002, 73, 235-247.	6.2	8
59	TiO ₂ distribution in aged and injected isotactic polypropylene parts by synchrotron radiation X-ray microfluorescence. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 657-662.	2.1	3
60	Photo-oxidative degradation of poly(epichlorohydrin-co-ethylene oxide) elastomer at 254 nm. <i>Polymer Degradation and Stability</i> , 2002, 76, 219-225.	5.8	17
61	Polypropylene compounding with post-consumer material. <i>Polymer Degradation and Stability</i> , 2002, 78, 491-495.	5.8	41
62	Photoelectronic and transport properties of polypyrrole doped with a dianionic dye. <i>Electrochimica Acta</i> , 2002, 47, 1351-1357.	5.2	31
63	A conductive elastomer based on EPDM and polyaniline. <i>European Polymer Journal</i> , 2002, 38, 2459-2463.	5.4	63
64	Polypropylene compounding with recycled material I. Statistical response surface analysis. <i>Polymer Degradation and Stability</i> , 2001, 71, 293-298.	5.8	21
65	Elastic polyaniline with EPDM and dodecylbenzenesulfonic acid as plasticizers. <i>Journal of Applied Polymer Science</i> , 2001, 82, 1768-1775.	2.6	26
66	Dye-Sensitized Nanocrystalline Solar Cells Employing a Polymer Electrolyte. <i>Advanced Materials</i> , 2001, 13, 826-830.	21.0	368
67	Diffusion of amine stabilizers in vulcanized natural rubber compositions used in tires. <i>Journal of Applied Polymer Science</i> , 2000, 75, 670-676.	2.6	13
68	Blends of polyaniline with nitrilic rubber. <i>Journal of Applied Polymer Science</i> , 2000, 75, 677-684.	2.6	34
69	Action spectra of EE and SE illuminated polypyrrole-dodecylsulphate films in aqueous solutions. <i>Solar Energy Materials and Solar Cells</i> , 2000, 60, 73-83.	6.2	12
70	Electrochemical impedance spectroscopy of dodecylsulphate doped polypyrrole films in the dark and under illumination. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 50-58.	0.6	19
71	All polymeric solid state electrochromic devices. <i>Electrochimica Acta</i> , 1999, 44, 2983-2991.	5.2	137
72	<title>Artificial muscles working in aqueous solutions or in air</title>. , 1999, 3669, 98.		1

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73	Photoelectrochemistry of polyaniline supported in a microporous cellulose acetate membrane. Synthetic Metals, 1998, 96, 49-54.	3.9	30
74	New polyaniline/porous glass composite. Synthetic Metals, 1997, 84, 107-108.	3.9	14
75	Structural analysis of polymer chain packing by semiempirical methods. Computational and Theoretical Chemistry, 1997, 394, 243-248.	1.5	1
76	Chemical preparation of conductive elastomeric blends: Polypyrrole/EPDM. I. Oxidant particle-size effect. Journal of Polymer Science Part A, 1994, 32, 1001-1008.	2.3	22
77	Photo-oxidation of polypropylene under load. Polymer Degradation and Stability, 1993, 40, 53-58.	5.8	28
78	Electropolymerization of Heterocycles on Poly(Vinylchloride) Coated Electrodes. Molecular Crystals and Liquid Crystals, 1992, 219, 173-181.	0.3	4
79	<title>Electrochromic properties of poly(pyrrole)/dodecylbenzenesulfonate</title>. , 1991, , .		0