Maria-Jose Abad

List of Publications by Year
in descending order

77 papers	2,419 citations	236612 25 h-index	223531 46 g-index
77 all docs	77 docs citations	77 times ranked	2872 citing authors

#	Article	IF	Citations
1	Effect of water sorption on the structure and mechanical properties of an epoxy resin system. Journal of Applied Polymer Science, 2001, 80, 71-80.	1.3	275
2	Epoxy Networks Containing Large Mass Fractions of a Monofunctional Polyhedral Oligomeric Silsesquioxane (POSS). Macromolecules, 2003, 36, 3128-3135.	2.2	192
3	Effect of carbon nanotube type and functionalization on the electrical, thermal, mechanical and electromechanical properties of carbon nanotube/styreneâ€"butadieneâ€"styrene composites for large strain sensor applications. Composites Part B: Engineering, 2014, 61, 136-146.	5.9	166
4	Development of antioxidant active films containing tocopherols to extend theÂshelf life of fish. Food Control, 2013, 31, 236-243.	2.8	100
5	Tensile and fracture behaviour of PP/wood flour composites. Composites Part B: Engineering, 2012, 43, 2795-2800.	5.9	78
6	Assessing changes on poly(ethylene terephthalate) properties after recycling: Mechanical recycling in laboratory versus postconsumer recycled material. Materials Chemistry and Physics, 2014, 147, 884-894.	2.0	78
7	Rheological, thermal, and mechanical characterization of fly ashâ€thermoplastic composites with different coupling agents. Polymer Composites, 2010, 31, 1722-1730.	2.3	71
8	FTIR study on the nature of water sorbed in polypropylene (PP)/ethylene alcohol vinyl (EVOH) films. European Polymer Journal, 2006, 42, 3121-3132.	2.6	69
9	Rheological, Mechanical and Thermal Behaviour of Wood Polymer Composites Based on Recycled Polypropylene. Journal of Polymers and the Environment, 2010, 18, 318-325.	2.4	66
10	Effect of poly(styrene- co -acrylonitrile) on the curing of an epoxy/amine resin. Polymer, 2001, 42, 1669-1677.	1.8	46
11	Effects of a mixture of stabilizers on the structure and mechanical properties of polyethylene during reprocessing. Journal of Applied Polymer Science, 2004, 92, 3910-3916.	1.3	46
12	Natural extracts as potential source of antioxidants to stabilize polyolefins. Journal of Applied Polymer Science, 2011, 119, 3553-3559.	1.3	45
13	Piezoresistive polymer blends for electromechanical sensor applications. Composites Science and Technology, 2018, 168, 353-362.	3.8	43
14	Kinetic studies of the effect of ABS on the curing of an epoxy/cycloaliphatic amine resin. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 351-361.	2.4	42
15	Blends of an epoxy/cycloaliphatic amine resin with poly(ether imide). Polymer, 2000, 41, 2657-2666.	1.8	40
16	Extraction and quantification of antioxidants from low-density polyethylene by microwave energy and liquid chromatography. Analytica Chimica Acta, 2004, 521, 179-188.	2.6	40
17	Decomposition behavior of epoxy-resin systems cured by diamines. European Polymer Journal, 2000, 36, 1231-1240.	2.6	39
18	Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 60, 391-399.	1.4	38

#	Article	IF	Citations
19	Structureâ€“fracture properties relationship for Polypropylene reinforced with fly ash with and without maleic anhydride functionalized isotactic Polypropylene as coupling agent. Materials & Design, 2014, 55, 85-92.	5.1	33
20	Effects of vinyltrimethoxy silane on thermal properties and dynamic mechanical properties of polypropyleneâ€“wood flour composites. Journal of Applied Polymer Science, 2008, 109, 1197-1204.	1.3	32
21	Application of FTIR spectroscopy to determine transport properties and waterâ€“polymer interactions in polypropylene (PP)/poly(ethylene-co-vinyl alcohol) (EVOH) blend films: Effect of poly(ethylene-co-vinyl alcohol) content and water activity. Polymer, 2009, 50, 2981-2989.	1.8	32
22	Thermal behaviour of a polyhedral oligomeric silsesquioxane with epoxy resin cured by diamines. Journal of Thermal Analysis and Calorimetry, 2003, 72, 421-429.	2.0	31
23	Migration kinetics of sorbic acid from polylactic acid and seaweed based films into food simulants. LWT - Food Science and Technology, 2016, 65, 630-636.	2.5	30
24	Thermal decomposition behavior and the mechanical properties of an epoxy/cycloaliphatic amine resin with ABS. European Polymer Journal, 2001, 37, 1613-1623.	2.6	28
25	Cyclic temperature dependence of electrical conductivity in polyanilines as a function of the dopant and synthesis method. Materials and Design, 2017, 114, 288-296.	3.3	28
26	Physical aging of an epoxy/cycloaliphatic amine resin. European Polymer Journal, 1999, 35, 403-411.	2.6	25
27	Effect of aminomethoxy silane and olefin block copolymer on rheomechanical and morphological behavior of fly ash-filled polypropylene composites. Rheologica Acta, 2010, 49, 607-618.	1.1	25
28	Co-existence of two mytilid species in a heterogeneous environment: mortality, growth and strength of shell and byssus attachment. Marine Ecology - Progress Series, 2013, 476, 115-128.	0.9	23
29	Insight into industrial PLA aging process by complementary use of rheology, HPLC, and MALDI. Polymers for Advanced Technologies, 2013, 24, 723-731.	1.6	23
30	Thermal properties of amine cured diglycidyl ether of bisphenol A epoxy blended with poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.2	22
31	Piezoresistive response of carbon nanotubes-polyamides composites processed by extrusion. Journal of Polymer Research, 2013, 20, 1.	1.2	21
32	Influence of polyamide ratio on the CNT dispersion in polyamide 66/6 blends by dilution of PA66 or PA6-MWCNT masterbatches. Synthetic Metals, 2016, 221, 134-141.	2.1	21
33	Mechanical and fracture behavior of polypropylene/poly(ethylene-co-vinyl alcohol) blends compatibilized with ionomer Na+. European Polymer Journal, 2006, 42, 265-273.	2.6	20
34	Nanoclayâ€reinforced poly(butylene adipateâ€coâ€terephthalate) biocomposites for packaging applications. Polymer Composites, 2012, 33, 2022-2028.	2.3	20
35	Extruded polyaniline/EVA blends: Enhancing electrical conductivity using gallate compatibilizers. Synthetic Metals, 2014, 189, 193-202.	2.1	19
36	Multifunctional electromechanical and thermoelectric polyanilineâ€“poly(vinyl acetate) latex composites for wearable devices. Journal of Materials Chemistry C, 2018, 6, 8502-8512.	2.7	19

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37	Rheomechanical and morphological study of compatibilized PP/EVOH blends. Rheologica Acta, 2009, 48, 993-1004.	1.1	18
38	Insight into BPAâ€“4-vinylpyridine interactions in molecularly imprinted polymers using complementary spectroscopy techniques. Materials Chemistry and Physics, 2013, 141, 461-476.	2.0	18
39	Thermoelectric properties and intrinsic conduction processes in DBSA and NaSIPA doped polyanilines. Synthetic Metals, 2018, 243, 44-50.	2.1	18
40	Photocured conductive PANI/acrylate composites for digital light processing. Influence of HDODA crosslinker in rheological and physicochemical properties. European Polymer Journal, 2020, 136, 109887.	2.6	18
41	Last developments in polymers for wearable energy storage devices. International Journal of Energy Research, 2022, 46, 10475-10498.	2.2	18
42	Study of the effect of poly(acrylonitrile-co-butadiene-co-styrene) on the mechanical properties of an epoxy system. Journal of Applied Polymer Science, 2004, 92, 461-467.	1.3	17
43	Use of a sodium ionomer as a compatibilizer in polypropylene/high-barrier ethylene-vinyl alcohol copolymer blends: The processability of the blends and their physical properties. Journal of Applied Polymer Science, 2004, 94, 1763-1770.	1.3	17
44	Influence of the ethylene-(methacrylic acid)-Zn2+ionomer on the thermal and mechanical properties of blends of poly(propylene) (PP)/ethylene-(vinyl alcohol) copolymer (EVOH). Polymer International, 2005, 54, 673-678.	1.6	17
45	Toughening strategies of carbon nanotube/polycarbonate composites with electromagnetic interference shielding properties. Polymer Composites, 2013, 34, 1938-1949.	2.3	17
46	Dynamic mechanical analysis of an epoxy/thermoplastic blend: polymerization-induced phase separation. Polymer International, 2002, 51, 1100-1106.	1.6	16
47	Design of new polypropyleneâ€“woodflour composites: Processing and physical characterization. Polymer Composites, 2009, 30, 880-886.	2.3	16
48	Deformation and Fracture Behavior of PP/Ash Composites. Composite Interfaces, 2009, 16, 97-114.	1.3	16
49	A study of competitive molecular interaction effects on imprinting of molecularly imprinted polymers. Vibrational Spectroscopy, 2013, 65, 74-83.	1.2	16
50	Segregated conductive network of MWCNT in PA12/PA6 composites: Electrical and rheological behavior. Polymer Composites, 2017, 38, 2679-2686.	2.3	16
51	Thermodynamic analysis of phase separation in an epoxy/polystyrene mixture. Polymer, 2005, 46, 6114-6121.	1.8	15
52	Influence of phase morphology on the rheology and thermal conductivity of HDPE/PA6 immiscible blends with alumina whiskers. Polymer Testing, 2018, 71, 56-64.	2.3	15
53	Printability Study of a Conductive Polyaniline/Acrylic Formulation for 3D Printing. Polymers, 2021, 13, 2068.	2.0	15
54	Effects of silane functionalization of alumina whiskers on high-density polyethylene composites. Journal of Composite Materials, 2014, 48, 3141-3151.	1.2	14

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55	Isothermal crystallization behavior and properties of polypropylene/EPR blends nucleated with sodium benzoate. Journal of Applied Polymer Science, 2002, 83, 201-211.	1.3	13
56	Effects of vinyltrimethoxy silane on mechanical properties and morphology of polypropyleneâ€woodflour composites. Polymer Engineering and Science, 2009, 49, 324-332.	1.5	13
57	Water sorption of PA12/PA6/MWCNT composites with a segregated conductive network: structureâ€“property relationships. Journal of Materials Science, 2016, 51, 8674-8686.	1.7	13
58	Photocurable Printed Piezocapacitive Pressure Sensor Based on an Acrylic Resin Modified with Polyaniline and Lignin. Advanced Materials Technologies, 2022, 7, .	3.0	13
59	Enthalpy relaxation in an epoxy-cycloaliphatic amine resin. Colloid and Polymer Science, 2001, 279, 184-189.	1.0	11
60	Characterization of biaxially oriented polypropylene films by atomic force microscopy and microthermal analysis. Journal of Applied Polymer Science, 2002, 85, 1553-1561.	1.3	11
61	An approach to assess the synergistic effect of natural antioxidants on the performance of the polypropylene stabilizing systems. Journal of Applied Polymer Science, 2012, 126, 1852-1858.	1.3	11
62	Deformation and fracture behavior of polypropylene-ethylene vinyl alcohol blends compatibilized with ionomer Zn2+. Journal of Applied Polymer Science, 2005, 98, 1271-1279.	1.3	10
63	Rheology and thermal behavior of polyamide reinforced with alumina whiskers. Polymer Composites, 2012, 33, 2207-2217.	2.3	10
64	Mechanical behavior of tetrafunctional/phenol novolac epoxy mixtures cured with a diamine. Journal of Applied Polymer Science, 2000, 77, 2305-2313.	1.3	9
65	Analysis of blends of poly(styrene-co-acrylonitrile) with an epoxy/aromatic amine resin using scanning thermal microscopy. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 284-289.	2.4	9
66	Selection of a precursor of a monofunctional polyhedral oligomeric silsesquioxane reacted with aromatic diamines. Journal of Applied Polymer Science, 2004, 92, 1576-1583.	1.3	9
67	Fracture and thermal behaviour of biomass ash polypropylene composites. Journal of Thermoplastic Composite Materials, 2014, 27, 481-497.	2.6	9
68	Enhanced thermal conductivity of rheologically percolated carbon nanofiber reinforced polypropylene composites. Polymers for Advanced Technologies, 2015, 26, 369-375.	1.6	9
69	Role of rheology in tunning thermal conductivity of polyamide 12/polyamide 6 composites with a segregated multiwalled carbon nanotube network. Journal of Composite Materials, 2018, 52, 2549-2557.	1.2	9
70	Characterization of an ABS-modified epoxy system. Polymer International, 2002, 51, 1268-1276.	1.6	8
71	Efficacy of hindered amines in woodflouräpolypropylene composites compatibilized with vinyltrimethoxysilane after accelerated weathering and moisture absorption. Journal of Applied Polymer Science, 2011, 120, 2017-2026.	1.3	8
72	Commercial biodegradable material for food contact: methodology for assessment of service life. Polymer International, 2012, 61, 1648-1654.	1.6	7

#	ARTICLE	IF	CITATIONS
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