Maria Jos A Sales

List of Publications by Citations

55 papers	682 citations	16 h-index	24 g-index
56 ext. papers	751 ext. citations	3.1 avg, IF	3.82 L-index

#	Paper	IF	Citations
55	Morphological and thermomechanical characterization of thermoplastic starch/montmorillonite nanocomposites. *Composite Structures*, **2010**, 92, 2066-2070	5.3	83
54	Polystyrene/thermoplastic starch blends with different plasticizers. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 635-638	4.1	61
53	Degradation of different polystyrene/thermoplastic starch blends buried in soil. *Carbohydrate Polymers*, **2009**, 75, 58-62	10.3	53
52	Thermal and electrical properties of starch-graphene oxide nanocomposites improved by photochemical treatment. *Carbohydrate Polymers*, **2014**, 106, 305-11	10.3	38
51	Theoretical investigation of carotenoid ultraviolet spectra. *International Journal of Quantum Chemistry*, **2009**, 109, 739-745	2.1	34
50	Preparation and characterization of blends of recycled polystyrene with cassava starch. *Journal of Materials Science*, **2007**, 42, 7530-7536	4.3	31
49	Reduced graphene oxide multilayers for gas and liquid phases chemical sensing. *RSC Advances*, **2014**, 4, 17917	3.7	27
48	Absorption and photoluminescence of Buriti oil/polystyrene and Buriti oil/poly(methyl methacrylate) blends. *European Polymer Journal*, **2006**, 42, 3324-3332	5.2	26
47	Photochemically-assisted synthesis of non-toxic and biocompatible gold nanoparticles. *Colloids and Surfaces B: Biointerfaces*, **2016**, 148, 317-323	6	25
46	Thermoplastic starch films with vegetable oils of Brazilian Cerrado. *Journal of Thermal Analysis and Calorimetry*, **2010**, 99, 675-679	4.1	23
45	Synthesis of polyols and polyurethanes from vegetable oils: kinetic and characterization. *Journal of Polymer Research*, **2013**, 20, 1	2.7	19
44	Comparative study of the oxidative and thermal stability of vegetable oils to be used as lubricant bases. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 1437-1442	4.1	18
43	Preparação, caracterização e degradação de blendas PS/TPS usando glicerol e óleo de buriti como plastificantes. *Polimeros*, **2010**, 20, 6-13	1.6	18
42	Thermal study and evaluation of new menthol-based ionic liquids as polymeric additives. *Journal of Thermal Analysis and Calorimetry*, **2010**, 99, 539-543	4.1	16
41	Physicochemical and rheological properties of passion fruit oil and its polyol. *European Journal of Lipid Science and Technology*, **2010**, 112, 1253-1262	3	16
40	Ethyl esters obtained from pequi and macaúba oils by transesterification with homogeneous acid catalysis. *Fuel*, **2020**, 259, 116206	7.1	16
39	Synthesis and Thermomechanical Properties of Polyurethanes and Biocomposites Derived from Macauba Oil and Coconut Husk Fibers. *Coatings*, **2015**, 5, 527-544	2.9	11

38	Synthesis and Characterization of Polymeric Materials from Vegetable Oils. *Macromolecular Symposia*, **2009**, 286, 89-94	0.8	11
37	The preparation of new oxoniobium(V) complexes from hydrated Niobium(V) Oxide: the crystal and molecular structure of Oxotris(2-pyridinolato-N-oxide)niobium(V). *Transition Metal Chemistry*, **2007**, 32, 112-116	2.1	11
36	Original photochemical synthesis of Ag nanoparticles mediated by potato starch. *SN Applied Sciences*, **2019**, 1, 1	1.8	9
35	Synthesis of poly(lactic acid) by heterogeneous acid catalysis from d,l-lactic acid. *Journal of Polymer Research*, **2016**, 23, 1	2.7	9
34	Quenching Effects of Graphene Oxides on the Fluorescence Emission and Reactive Oxygen Species Generation of Chloroaluminum Phthalocyanine. *Journal of Physical Chemistry A*, **2018**, 122, 6842-6851	2.8	9
33	Characterization of Polyurethanes from Vegetable Oils by TG/DTG, DMA and FT-IR. *Macromolecular Symposia*, **2012**, 319, 173-178	0.8	9
32	Reducing size-dispersion in one-pot aqueous synthesis of maghemite nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 8061-6	1.3	9
31	Thermal and structural behavior of Buriti oil/poly(methyl methacrylate) and Buriti oil/polystyrene materials. *Journal of Thermal Analysis and Calorimetry*, **2008**, 92, 529-534	4.1	9
30	Starch-Mediated Immobilization, Photochemical Reduction, and Gas Sensitivity of Graphene Oxide Films. *ACS Omega*, **2020**, 5, 5001-5012	3.9	8
29	Preparation of PLA blends by polycondensation of D,L-lactic acid using supported 12-tungstophosphoric acid as a heterogeneous catalyst. *Heliyon*, **2019**, 5, e01810	3.6	7
28	Synthesis and structural characterization of cadmium(II) complexes with chelating keto-hydroxy compounds: The X-ray molecular structure of [Cd2(nq)4(H2O)4]□3H2O (nqH = 2-hydroxynaphthoquinone). *Polyhedron*, **2009**, 28, 3811-3815	2.7	7
27	KDP/PEDOT:PSS mixture as a new alternative in the fabrication of pressure sensing devices. *Applied Surface Science*, **2008**, 255, 734-736	6.7	7
26	Facile green synthesis of nanomagnets for modulating magnetohyperthermia: tailoring size, shape and phase. *RSC Advances*, **2017**, 7, 47669-47680	3.7	6
25	Effects of film thickness and inhibitor concentration on the sorption and thermal polymerization of acrylic acid in low-density polyethylene. *Journal of Applied Polymer Science*, **1993**, 47, 1395-1399	2.9	5
24	On the nuclearity of tricarbonylrhenium(I) complexes with N,O,O-donating Schiff bases derived from amino acids. *Journal of Organometallic Chemistry*, **2014**, 750, 80-85	2.3	4
23	Studies of optical, morphological and electrical properties of POMA/PMMA blends, using two different levels of doping with CSA. *Polimeros*, **2012**, 22, 384-389	1.6	4
22	Luminescence and energy transfer from a□i oil in polystyrene matrix. *Optical Materials*, **2010**, 32, 1134-1138	3.9	4
21	Sorption and thermal polymerization of vinyl monomers in low density polyethylene-iron (III) oxide composite. *Polymer Bulletin*, **1991**, 26, 665-672	2.4	4

20	Molecular dynamics simulations of montmorillonite reinforcing amylose plasticized by Brazilian Cerrado oils: polymer-clay nanocomposite. *MRS Communications*, **2018**, 8, 266-274	2.7	3
19	Characterization of the PEDOT:PSS/KDP mixture on a flexible substrates and the use in pressure sensing devices. *Applied Surface Science*, **2011**, 257, 8594-8599	6.7	3
18	Effect of iron(III) oxide on the thermal polymerization of methyl methacrylate in low density polyethylene matrix. *Polymer Bulletin*, **1996**, 36, 495-502	2.4	3
17	Low-density polyethylene modified by thermal polymerization of 4-vinylpyridine and methyl methacrylate: Structural studies. *Polymer Engineering and Science*, **1996**, 36, 1125-1128	2.3	3
16	Photocatalytic Method for the Simultaneous Synthesis and Immobilization of Ag Nanoparticles onto Solid Substrates. *Journal of Physical Chemistry C*, **2018**, 122, 24110-24119	3.8	3
15	Electrochemical behaviour of some redox couples at layer-by-layer assembled poly(diallyl dimethylammonium)/reduced graphene oxide electrodes. *Physica Status Solidi (A) Applications and Materials Science*, **2017**, 214, 1700096	1.6	3
14	Thermostability and physicochemical properties of two macauba oils and their derivatives related to their use as a lubricant base. *Journal of Thermal Analysis and Calorimetry*, **2018**, 132, 293-303	4.1	2
13	Investigation of the torsional barrier of EDOT using molecular mechanics and DFT methods. *Journal of Molecular Modeling*, **2014**, 20, 2405	2	2
12	Facile Method to Tune the Particle Size and Thermal Stability of Magnetite Nanoparticles. *Journal of the Brazilian Chemical Society*, **2015**,	1.5	2
11	Evaluation of Spectroscopic and Morphological Properties of PMMA Modified with ILs. *Macromolecular Symposia*, **2012**, 319, 203-209	0.8	2
10	Graphene Oxide/Zinc Oxide Nanocomposite Displaying Selective Toxicity to Glioblastoma Cell Lines. *ACS Applied Bio Materials*, **2021**, 4, 829-843	4.1	2
9	The Role Played by Graphene Oxide in the Photodeposition and Surface-Enhanced Raman Scattering Activity of Plasmonic Ag Nanoparticle Substrates. *Physica Status Solidi (A) Applications and Materials Science*, **2020**, 217, 1900965	1.6	1
8	Preliminary Molecular Dynamics Studies of the Montmorillonite, Amylose, Fatty Acids and Water for Polymer-Clay Nanocomposite Modeling. *MRS Advances*, **2018**, 3, 1659-1663	0.7	1
7	Energy transfer to Eu(III) in the solid-state low-density polyethylene poly(acrylic acid) and low-density polyethylene e2O3 poly(acrylic acid) matrices. *Journal of Applied Polymer Science*, **2000**, 78, 919-931	2.9	1
6	Preliminary analysis of N-vinylpyrrolidone based polymer gel dosimeter. *Polimeros*, **2018**, 28, 433-439	1.6	1
5	Molecular dynamics studies of amylose plasticized with Brazilian Cerrado oils: part I. *Polimeros*, **2018**, 28, 266-274	1.6	1
4	Biodegradation Study of Polyurethanes from Linseed and Passion Fruit Oils. *Coatings*, **2022**, 12, 617	2.9	1
3	Preliminary multiscale studies of the montmorillonite, amylose and fatty acids for polymer-clay nanocomposite modeling. *MRS Advances*, **2019**, 4, 1155-1160	0.7	0

2	Optical and morphological features of poly(vinyl carbazole)/ferrite composites for potential opto-electronic applications. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	0
1	POMA/PMMA blends modified by dye: Spectroscopic and morphological properties. *Journal of Applied Polymer Science*, **2013**, 127, 183-189	2.9	