

Selma Elaine Mazzetto

List of Publications by Year in descending order

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85
papers

2,559
citations

185998

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214527

47
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docs citations

85
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	Elaboration and Characterization of Bioactive Films Obtained from the Incorporation of Cashew Nut Shell Liquid into a Matrix of Sodium Alginate. <i>Antioxidants</i> , 2021, 10, 1378.	2.2	6
2	From Magneto-Dielectric Biocomposite Films to Microstrip Antenna Devices. <i>Journal of Composites Science</i> , 2020, 4, 144.	1.4	10
3	Nanomaterials Based on Fe ₃ O ₄ and Phthalocyanines Derived from Cashew Nut Shell Liquid. <i>Molecules</i> , 2019, 24, 3284.	1.7	9
4	Photoelectrodes with titanate nanotubes sensitized by mesoporphyrin derivative from cashew nut shell. <i>Revista Materia</i> , 2019, 24, .	0.1	1
5	Light-Emitting Porphyrin Derivative Obtained from a Subproduct of the Cashew Nut Shell Liquid: A Promising Material for OLED Applications. <i>Materials</i> , 2019, 12, 1063.	1.3	12
6	Blendas de bagaço de cana-de-açúcar, podas de mangueira e cajueiro: caracterizaç�o das propriedades e investiga�o de seus potenciais energ�ticos. <i>Revista Materia</i> , 2019, 24, .	0.1	4
7	Thermal and mechanical properties of coconut shell lignin-based polyurethanes synthesized by solvent-free polymerization. <i>Journal of Materials Science</i> , 2018, 53, 1470-1486.	1.7	40
8	Ultrafast sonochemistry-based approach to coat TiO ₂ commercial particles for sunscreen formulation. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 340-348.	3.8	38
9	Improved Photo-Ignition of Carbon Nanotubes/Ferrocene Using a Lipophilic Porphyrin under White Power LED Irradiation. <i>Materials</i> , 2018, 11, 127.	1.3	6
10	Thermal and mechanical analyses of biocomposites from cardanol-based polybenzoxazine and bamboo fibers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 281-289.	2.0	21
11	Synthesis and characteristics of alkyd resin/M-Porphyrins nanocomposite for corrosion protection application. <i>Progress in Organic Coatings</i> , 2017, 105, 286-290.	1.9	53
12	A self-assembly of graphene oxide@Fe ₃ O ₄ /metallo-phthalocyanine nanohybrid materials: synthesis, characterization, dielectric and thermal properties. <i>Journal of Materials Science</i> , 2017, 52, 9546-9557.	1.7	7
13	Bionanocomposite films based on polysaccharides from banana peels. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 1-8.	3.6	45
14	Rapid Sonochemical Approach Produces Functionalized Fe ₃ O ₄ Nanoparticles with Excellent Magnetic, Colloidal, and Relaxivity Properties for MRI Application. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24206-24222.	1.5	37
15	Microwave-assisted solvent-free synthesis of novel benzoxazines: A faster and environmentally friendly route to the development of bio-based thermosetting resins. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3534-3544.	2.5	37
16	Formulation and Chemical Stability in Aqueous Media of Cannabidiol Embedded in Cardanol-Based Nanovesicles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8870-8875.	3.2	15
17	Ecofriendly modification of acetosolv lignin from oil palm biomass for improvement of PMMA thermo-oxidative properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45498.	1.3	20
18	Efficacy of new natural biomodification agents from Anacardiaceae extracts on dentin collagen cross-linking. <i>Dental Materials</i> , 2017, 33, 1103-1109.	1.6	35

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19	Superparamagnetic nano-biocomposites for application as dielectric resonator antennas. <i>Materials Chemistry and Physics</i> , 2017, 185, 104-113.	2.0	6
20	New ZnO@Cardanol Porphyrin Composite Nanomaterials with Enhanced Photocatalytic Capability under Solar Light Irradiation. <i>Materials</i> , 2017, 10, 1114.	1.3	18
21	Cardanol-based thermoset plastic reinforced by sponge gourd fibers (<i>Luffa cylindrica</i>). <i>Polimeros</i> , 2016, 26, 21-29.	0.2	17
22	Synthesis, Characterization and Dielectric Properties of New 5-(4-Hydroxyphenyl)-10,15,20-tri-4-[2-(3-pentadecylphenoxy)ethoxy]phenyl porphyrin and Their Ni, Co and Cu Complexes. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	2
23	Electrooxidation of cardanol on mixed metal oxide (RuO ₂ -TiO ₂ and IrO ₂ -RuO ₂ -TiO ₂) coated titanium anodes: insights into recalcitrant phenolic compounds. <i>Electrochimica Acta</i> , 2016, 212, 95-101.	2.6	47
24	Spectral and thermal studies on the synthesis and catalyzed oligomerization of novel cardanol-based benzoxazines. <i>Polymer</i> , 2016, 92, 189-200.	1.8	33
25	Novel hydroxyapatite nanorods improve anti-caries efficacy of enamel infiltrants. <i>Dental Materials</i> , 2016, 32, 784-793.	1.6	55
26	Cardanol-based green nanovesicles with antioxidant and cytotoxic activities. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 1274-1284.	1.3	13
27	Developing eco-friendly methods for purification of compounds derived from hydrogenated cardanol. <i>Separation Science and Technology</i> , 2016, 51, 2473-2483.	1.3	3
28	Optimization of pectin extraction from banana peels with citric acid by using response surface methodology. <i>Food Chemistry</i> , 2016, 198, 113-118.	4.2	193
29	The Effect of Contextualization and of Didactic Game on Learning of Organic Functions. <i>Revista Virtual De Química</i> , 2016, 8, .	0.1	1
30	Dielectric Properties of Ca _{0.7} Bi _{0.3} Ti _{0.7} Cr _{0.3} O ₃ (CBTC)â€“CaCu ₃ Ti ₄ O ₁₂ (CCTO) Composite. <i>Journal of Electronic Materials</i> , 2015, 44, 295-302.	1.0	11
31	Thermal and mechanical properties of biocomposites based on a cashew nut shell liquid matrix reinforced with bamboo fibers. <i>Journal of Composite Materials</i> , 2015, 49, 2203-2215.	1.2	37
32	New magnetic nanobiocomposite based in galactomannan/glycerol and superparamagnetic nanoparticles. <i>Materials Chemistry and Physics</i> , 2015, 156, 113-120.	2.0	10
33	Evaluation of antioxidant action by electrochemical and accelerated oxidation experiments of phenolic compounds derived from cashew nut shell liquid. <i>Industrial Crops and Products</i> , 2015, 67, 281-286.	2.5	31
34	Effect of solvent composition on the structural and magnetic properties of MnZn ferrite nanoparticles obtained by hydrothermal synthesis. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 233-244.	1.0	14
35	Sustainable Preparation of Cardanol-Based Nanocarriers with Embedded Natural Phenolic Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1299-1304.	3.2	31
36	Evaluation of antioxidants on the thermo-oxidative stability of soybean biodiesel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 921-927.	2.0	19

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37	Porphyrin synthesized from cashew nut shell liquid as part of a novel superparamagnetic fluorescence nanosystem. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	20
38	Amphiphilic porphyrin-cardanol derivatives in Langmuir and Langmuir-Blodgett films applied for sensing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 425, 68-75.	2.3	24
39	MZnFe ₂ O ₄ (M = Ni, Mn) cubic superparamagnetic nanoparticles obtained by hydrothermal synthesis. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	37
40	Grain Size Control of the Magnetic Nanoparticles by Solid State Route Modification. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 2073-2079.	1.2	10
41	Magnetic nanoparticles coated with anacardic acid derived from cashew nut shell liquid. <i>Journal of Materials Science</i> , 2013, 48, 7875-7882.	1.7	26
42	Effect of organophosphate antioxidant on the thermo-oxidative degradation of a mineral oil. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 553-559.	2.0	27
43	Thermal evaluation of cashew nutshell liquid as new bioadditives for poly(methyl methacrylate). <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 619-626.	2.0	31
44	Molinate quantification in environmental water by a glutathione-S-transferase based biosensor. <i>Talanta</i> , 2013, 106, 249-254.	2.9	29
45	Influence of the polysaccharide galactomannan on the dielectrical characterization of hydroxyapatite ceramic. <i>Composites Part B: Engineering</i> , 2013, 44, 95-99.	5.9	7
46	Magnetic Nanosystem for Cancer Therapy Using Oncocalyxone A, an Antitumour Secondary Metabolite Isolated from a Brazilian Plant. <i>International Journal of Molecular Sciences</i> , 2013, 14, 18269-18283.	1.8	25
47	Biocomposites from dwarf-green Brazilian coconut impregnated with cashew nut shell liquid resin. <i>Journal of Composite Materials</i> , 2013, 47, 459-466.	1.2	15
48	Solvent Free Synthesis of Novel Mono- and Bis-Benzoxazines from Cashew Nut Shell Liquid Components. <i>Current Organic Chemistry</i> , 2012, 16, 2613-2621.	0.9	41
49	Thermo-oxidative evaluation of new cardol derivatives as antioxidants for mineral oils. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1013-1018.	2.0	11
50	First Example of a Lipophilic Porphyrin-Cardanol Hybrid Embedded in a Cardanol-Based Micellar Nanodispersion. <i>Molecules</i> , 2012, 17, 12252-12261.	1.7	27
51	Antiwear and antioxidant studies of cardanol phosphate ester additives. <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 519-524.	0.7	15
52	Novel ferrofluids coated with a renewable material obtained from cashew nut shell liquid. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 677-686.	1.0	23
53	Thermal studies of new biodiesel antioxidants synthesized from a natural occurring phenolic lipid. <i>Fuel</i> , 2012, 97, 552-559.	3.4	51
54	Thermal behavior of phosphorus derivatives of hydrogenated cardanol. <i>Fuel Processing Technology</i> , 2012, 96, 1-8.	3.7	27

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55	Synthesis of a new thiophosphorylated compound derived from cashew nut shell liquid and study of its antioxidant activity. <i>Industrial Crops and Products</i> , 2012, 36, 271-275.	2.5	16
56	Use of Novel Cardanol-Porphyrin Hybrids and Their TiO ₂ -Based Composites for the Photodegradation of 4-Nitrophenol in Water. <i>Molecules</i> , 2011, 16, 5769-5784.	1.7	27
57	Properties of sisal fibers treated by alkali solution and their application into cardanol-based biocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 492-500.	3.8	187
58	Study of the temperature and organic bindings effects in the dielectric and structural properties of the lithium ferrite ceramic matrix (LiFe ₅ O ₈). <i>Journal of Alloys and Compounds</i> , 2011, 509, 9466-9471.	2.8	11
59	Thiophosphate esters of cashew nutshell liquid derivatives as new antioxidants for poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.0	25
60	Magnetic nanoparticles for a new drug delivery system to control quercetin releasing for cancer chemotherapy. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6545-6553.	0.8	61
61	Chemically Modified Banana Fiber: Structure, Dielectrical Properties and Biodegradability. <i>Journal of Polymers and the Environment</i> , 2010, 18, 523-531.	2.4	50
62	Cardanol biocomposites reinforced with jute fiber: Microstructure, biodegradability, and mechanical properties. <i>Polymer Composites</i> , 2010, 31, 1928-1937.	2.3	47
63	Antioxidative Activity of 5- <i>n</i> -Pentadecyl-2- <i>tert</i> -butylphenol Stabilizers in Mineral Lubricant Oil. <i>Energy & Fuels</i> , 2010, 24, 3285-3291.	2.5	27
64	Studies of the structural and electrical properties of lithium ferrite (LiFe ₅ O ₈). <i>Physica Scripta</i> , 2010, 82, 055702.	1.2	22
65	Luminescence quenching of *[Ru(bpy) ₃] ²⁺ by ruthenium(II) tetrathiosphite complexes with different phosphite ligands. <i>Journal of Luminescence</i> , 2009, 129, 1260-1265.	1.5	3
66	Study of Antioxidant Properties of 5- <i>n</i> -Pentadecyl-2- <i>tert</i> -amylphenol. <i>Energy & Fuels</i> , 2009, 23, 2517-2522.	2.5	21
67	Study of technical CNSL and its main components as new green larvicides. <i>Green Chemistry</i> , 2009, 11, 31-33.	4.6	93
68	Cashew Nut Shell Liquid: A Versatile Raw Material Utilized for Syntheses of Phosphorus Compounds. <i>Energy & Fuels</i> , 2009, 23, 5432-5437.	2.5	22
69	Synthesis of a novel cardanol-based benzoxazine monomer and environmentally sustainable production of polymers and bio-composites. <i>Green Chemistry</i> , 2007, 9, 754.	4.6	254
70	Evaluation of antioxidant properties of a phosphorated cardanol compound on mineral oils (NH ₁₀) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	56
71	A Preliminary Study for the Use of Natural Fibers as Reinforcement in Starch-Gluten-Glycerol Matrix. <i>Macromolecular Symposia</i> , 2006, 245-246, 558-564.	0.4	36
72	Thermal and photochemical behavior of trans-ruthenium(II) dichloride tetrathiosphite complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 265-272.	2.0	3

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73	Synthesis of new meso-tetraarylporphyrins bearing cardanol and further transformation of the unsaturated chains. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006, 10, 1071-1079.	0.4	7
74	Synthesis of novel lipophilic porphyrin-cardanol derivatives. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004, 08, 1276-1284.	0.4	31
75	Polycrystalline TiO ₂ impregnated with cardanol-based porphyrins for the photocatalytic degradation of 4-nitrophenol. <i>Green Chemistry</i> , 2004, 6, 604-608.	4.6	66
76	Synthesis and the reversed-phase HPLC analysis of cis and trans-dichlorobis(ethylenediamine-ruthenium) chloride isomers. <i>Chromatographia</i> , 2003, 57, 549-552.	0.7	2
77	Synthesis and Characterization of New Ammine Ru(II) Complexes Containing P(m-tol) ₃ , P(p-CH ₃) ₃ and P(OC ₅ H ₁₁) ₃ . <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 647-652.	0.6	1
78	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 646-650.	0.7	5
79	The X-ray crystal structure and reactivity of trans-[RuCl ₂ (P(OC ₂ H ₅) ₃) ₄]. <i>Polyhedron</i> , 1999, 18, 979-983.	1.0	8
80	Inhomogeneous decay kinetics of Ru(bpy) ₂ + ₃ incorporated into nafion film. <i>Journal of Luminescence</i> , 1998, 79, 47-53.	1.5	12
81	Spectroscopic and Electrochemical Probes of Electronic Coupling in Some Cyanide-Bridged Transition Metal Donor/Acceptor Complexes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8441-8459.	1.1	49
82	UV-visible absorption and emission spectroscopic studies of the complexes trans-[Ru(NH ₃) ₄ P(III)H ₂ O] ₂ +, P(III) = P(OR) ₃ , P(R) ₃ . <i>Inorganica Chimica Acta</i> , 1997, 254, 79-83.	1.2	5
83	Synthesis, characterization and reactivity of trans-[Ru(NH ₃) ₄ [P(OEt) ₃] ₂] ₃ + ions. <i>Polyhedron</i> , 1993, 12, 971-975.	1.0	8
84	Photochemical behavior of trans-[Ru(NH ₃) ₄ P(OEt) ₃ L] ₂ + complex ions (L = P(OEt) ₃ , CO, H ₂ O). <i>Inorganic Chemistry</i> , 1992, 31, 516-519.	1.9	19
85	Cardol-Derived Organophosphorothioates as Inhibitors of Acetylcholinesterase for Dengue Vector Control. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2