

Marcelo Giovanela

List of Publications by Year in descending order

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79
papers

2,187
citations

279487

23
h-index

243296

44
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80
all docs

80
docs citations

80
times ranked

2954
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic chitosan microspheres for the removal of methyl violet 2B from aqueous solutions. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 1170-1182.	1.3	2
2	Evaluation of natural and epoxidized vegetable oil in elastomeric compositions for tread rubber. <i>Journal of Elastomers and Plastics</i> , 2022, 54, 264-278.	0.7	2
3	Sustainable green nanomaterials for potential development in environmental industries. , 2022, , 461-510.		0
4	Polymeric Composites for Industrial Water Treatment: An Overview. <i>Water Science and Technology Library</i> , 2022, , 257-283.	0.2	1
5	Agro-industrial residues as biosorbents for the removal of anti-inflammatories from aqueous matrices: An overview. <i>Environmental Advances</i> , 2022, 9, 100261.	2.2	4
6	Development and characterization of natural rubber latex wound dressings enriched with hydroxyapatite and silver nanoparticles for biomedical uses. <i>Reactive and Functional Polymers</i> , 2022, 177, 105316.	2.0	4
7	Removal of methylene blue from aqueous solutions using a solid residue of the apple juice industry: Full factorial design, equilibrium, thermodynamics and kinetics aspects. <i>Journal of Molecular Structure</i> , 2021, 1224, 129296.	1.8	37
8	Natural Rubber Films Incorporated with Red Propolis and Silver Nanoparticles Aimed for Occlusive Dressing Application. <i>Materials Research</i> , 2021, 24, .	0.6	4
9	Characterization and use of a lignin sample extracted from <i>Eucalyptus grandis</i> sawdust for the removal of methylene blue dye. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 375-389.	3.6	43
10	Antimicrobial PAA/PAH Electrospun Fiber Containing Green Synthesized Zinc Oxide Nanoparticles for Wound Healing. <i>Materials</i> , 2021, 14, 2889.	1.3	22
11	High-performance antifungal nanohybrid materials composed of melanin-clays. <i>Applied Clay Science</i> , 2021, 211, 106201.	2.6	4
12	Natural rubber compositions with the partial/total replacement of carbon black/naphthenic oil by renewable additives: Rice husk ash and cashew nut oil. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48314.	1.3	10
13	Influence of silver nanoparticle deposition on self-assembled thin films of weak polyelectrolytes/TiO ₂ for bezafibrate photodegradation through central composite experimental design. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103619.	3.3	10
14	Mechanism of formation, characterization and cytotoxicity of green synthesized zinc oxide nanoparticles obtained from <i>Ilex paraguariensis</i> leaves extract. <i>Nano Structures Nano Objects</i> , 2020, 24, 100532.	1.9	27
15	Synthesis of novel hybrid melanin-hydroxalcite with potential lethal activity against microorganisms. <i>Materials Letters</i> , 2020, 278, 128442.	1.3	2
16	Silver Nitrate from Recovered Silver of Spent Ag ₂ O Button Cells: Synthesis and Characterization. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 557-562.	1.1	1
17	Use of low-cost natural waste from the furniture industry for the removal of methylene blue by adsorption: isotherms, kinetics and thermodynamics. <i>Cellulose</i> , 2020, 27, 6445-6466.	2.4	41
18	Preparation, characterization and application of polymeric thin films containing silver and copper nanoparticles with bactericidal activity. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103745.	3.3	10

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19	Preparation and characterization of polysulfone-polyurethane membranes for recovery of simulated wastewater from industrial textile processes. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-14.	1.2	0
20	Evaluation of Stabilizing Additives Content in the Mechanical Properties of Elastomeric Compositions Subject to Environmental and Accelerated Aging. <i>Materials Research</i> , 2020, 23, .	0.6	8
21	Green synthesis of silver nanoparticles using an extract of Ives cultivar (<i>Vitis labrusca</i>) pomace: Characterization and application in wastewater disinfection. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103383.	3.3	29
22	Isolation, characterization and valorization of lignin from <i>Pinus elliottii</i> sawdust as a low-cost biosorbent for zinc removal. <i>Cellulose</i> , 2019, 26, 4895-4908.	2.4	15
23	Biodegradable polymer/clay systems for highly controlled release of <scp>NPK</scp> fertilizer. <i>Polymers for Advanced Technologies</i> , 2019, 30, 631-639.	1.6	25
24	Self-assembled thin films of PAA/PAH/TiO ₂ for the photooxidation of ibuprofen. Part II: Characterization, sensitization, kinetics and reutilization. <i>Chemical Engineering Journal</i> , 2019, 361, 1487-1496.	6.6	13
25	Self-assembled thin films of PAA/PAH/TiO ₂ for the photooxidation of ibuprofen. Part I: Optimization of photoactivity using design of experiments and surface response methodology. <i>Chemical Engineering Journal</i> , 2019, 360, 1447-1458.	6.6	26
26	Evaluation of vulcanization nanoactivators with low zinc content: characterization of zinc oxides, cure, physico-mechanical properties, Zn ²⁺ release in water and cytotoxic effect of <scp>EPDM</scp> compositions. <i>Polymer Engineering and Science</i> , 2018, 58, 1800-1809.	1.5	11
27	Comparison of the Effect of Plasticizers on PHBV and Organoclay Based Biodegradable Polymer Nanocomposites. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2290-2299.	2.4	14
28	Cytotoxicity and antibacterial efficacy of silver deposited onto titanium plates by low-energy ion implantation. <i>Journal of Materials Research</i> , 2018, 33, 2545-2553.	1.2	5
29	Hydrogen photocatalytic production from the self-assembled films of PAH/PAA/TiO ₂ supported on bacterial cellulose membranes. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15794-15806.	3.8	6
30	Preparação e Caracterização de Filmes Finos Automontados de PAH/PAA/TiO ₂ Fotossensibilizados com Clorofilina Cáprica para a Fotodegradação de Paracetamol. <i>Scientia Cum Industria</i> , 2018, 6, 31-38.	0.1	1
31	Development of chlorobutyl rubber/natural rubber nanocomposites with montmorillonite for use in the inner liner of tubeless ride tires. <i>Journal of Elastomers and Plastics</i> , 2017, 49, 47-61.	0.7	8
32	Adsorption of diclofenac onto organoclays: Effects of surfactant and environmental (pH and T) on adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 181-187.	6.5	181
33	Characterization and application of self-assembled thin films of polyelectrolytes/TiO ₂ /CdSe for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16568-16578.	3.8	10
34	Confinement of a Nonionic Surfactant Membrane Within a Montmorillonite as a New Way to Prepare Organoclay Materials. <i>Materials Research</i> , 2016, 19, 1324-1328.	0.6	1
35	Removal of Congo red dye from aqueous solutions using a halloysite-magnetite-based composite. <i>Water Science and Technology</i> , 2016, 73, 2132-2142.	1.2	24
36	Hydrogen production by photocatalytic water splitting using poly(allylamine) hydrochloride (PAH) and TiO ₂ nanoparticles. <i>Journal of Hydrogen Energy</i> , 2016, 41, 17995-18004.	3.8	16

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37	Removal of pyrene from aqueous solutions by adsorption onto Brazilian peat samples. <i>Adsorption Science and Technology</i> , 2016, 34, 538-551.	1.5	9
38	Removal of coliform bacteria from industrial wastewaters using polyelectrolytes/silver nanoparticles self-assembled thin films. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 137-146.	3.3	26
39	Development of passenger tire treads: reduction in zinc content and utilization of a bio-based lubricant. <i>Journal of Cleaner Production</i> , 2016, 117, 199-206.	4.6	24
40	Análise Quantitativa de Aflatoxinas B1, B2, G1 e G2 em Ração para Aves de Corte por Cromatografia Líquida de Alta Eficiência com Detecção por Fluorescência. <i>Scientia Cum Industria</i> , 2016, 4, 148-153.	0.1	1
41	Biopolymer nanocomposites based on poly(hydroxybutyrate-co-hydroxyvalerate) reinforced by a non-ionic organoclay. <i>Polymer International</i> , 2015, 64, 235-241.	1.6	22
42	Removal of methyl violet 2B dye from aqueous solution using a magnetic composite as an adsorbent. <i>Journal of Water Process Engineering</i> , 2015, 6, 11-20.	2.6	121
43	Bactericidal Performance of Chlorophyllin-Copper Hydroxalcite Compounds. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	15
44	Characterization and Application of Nanostructured Films Containing Au and TiO ₂ Nanoparticles Supported in Bacterial Cellulose. <i>Journal of Physical Chemistry C</i> , 2015, 119, 340-349.	1.5	20
45	Influence of injection molding on the flexural strength and surface quality of long glass fiber-reinforced polyamide 6.6 composites. <i>Materials and Design</i> , 2015, 85, 695-706.	3.3	44
46	Disinfection of biologically treated industrial wastewater using montmorillonite/alginate/nanosilver hybrids. <i>Journal of Water Process Engineering</i> , 2015, 7, 273-279.	2.6	15
47	Nonionic organoclay: A "Swiss Army knife" for the adsorption of organic micro-pollutants?. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 71-79.	5.0	53
48	Propriedades Mecânicas e Térmicas e Morfologia de Compósitos de Poliuretano Termoplástico (TPU) com Argila. <i>Scientia Cum Industria</i> , 2015, 3, 50-54.	0.1	0
49	Development of bus body rubber profiles with additives from renewable sources: Part II "Chemical, physical-mechanical and aging characterization of elastomeric compositions. <i>Materials & Design</i> , 2014, 53, 1119-1123.	5.1	15
50	Determination of Monoaromatic Hydrocarbons (BTEX) in Surface Waters from a Brazilian Subtropical Hydrographic Basin. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 455-459.	1.3	16
51	Preparation, characterization and application of polyelectrolytes/TiO ₂ /CdSe self-assembled films. <i>Thin Solid Films</i> , 2014, 551, 79-85.	0.8	9
52	Removal of Zinc(II) from Aqueous Solutions using an Eco-Friendly Biosorbent Originating from the Winery Industry. <i>Separation Science and Technology</i> , 2014, 49, 2212-2220.	1.3	5
53	Development of bus body rubber profiles with additives from renewable sources: Part I "Additives characterization and processing and cure properties of elastomeric compositions. <i>Materials & Design</i> , 2014, 53, 1112-1118.	5.1	10
54	Nutrient contents in bottom sediment samples from a southern Brazilian microbasin. <i>Environmental Earth Sciences</i> , 2013, 69, 959-968.	1.3	17

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55	Photocatalytic Nanostructured Self-Assembled Poly(allylamine hydrochloride)/Poly(acrylic acid) Polyelectrolyte Films Containing Titanium Dioxide@Gold Nanoparticles for Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23235-23243.	1.5	21
56	Influence of flow restriction on the microstructure and mechanical properties of long glass fiber-reinforced polyamide 6.6 composites for automotive applications. <i>Materials & Design</i> , 2013, 47, 287-294.	5.1	43
57	Characterization of Brazilian Peat Samples by Applying a Multimethod Approach. <i>Spectroscopy Letters</i> , 2013, 46, 201-210.	0.5	13
58	S�ntese, caracteriza�o e aplica�o de nanopart�culas de prata como agentes antimicrobianos. <i>Estudos Tecnol�gicos Em Engenharia</i> , 2013, 9, 20-26.	0.1	2
59	Characterization of Films of Weak Polyelectrolytes Incorporated with Poly(vinyl-pyrrolidone)-Stabilized Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8023-8028.	0.9	5
60	Design and Implementation of an Educational Game for Teaching Chemistry in Higher Education. <i>Journal of Chemical Education</i> , 2012, 89, 517-521.	1.1	60
61	Removal of diclofenac sodium from aqueous solution by Isabel grape bagasse. <i>Chemical Engineering Journal</i> , 2012, 192, 114-121.	6.6	194
62	Use of styrene butadiene rubber industrial waste devulcanized by microwave in rubber composites for automotive application. <i>Materials & Design</i> , 2012, 39, 437-443.	5.1	93
63	Structural control of gold nanoparticles self-assemblies by layer-by-layer process. <i>Nanoscale</i> , 2011, 3, 1717.	2.8	12
64	Characterization of natural rubber nanocomposites filled with organoclay as a substitute for silica obtained by the conventional two-roll mill method. <i>Applied Clay Science</i> , 2011, 52, 56-61.	2.6	62
65	Remo�o dos horm�nios 17�-estradiol e 17�-etinilestradiol de solu�es aquosas empregando turfa decomposta como material adsorvente. <i>Qu�mica Nova</i> , 2011, 34, 1526-1533.	0.3	24
66	Elemental and spectral properties of peat and soil samples and their respective humic substances. <i>Journal of Molecular Structure</i> , 2010, 971, 33-38.	1.8	49
67	Chemical and spectroscopic characterization of humic acids extracted from the bottom sediments of a Brazilian subtropical microbasin. <i>Journal of Molecular Structure</i> , 2010, 981, 111-119.	1.8	93
68	Thermal, Chemical, and Morphological Characterization of Microcellular Polyurethane Elastomers. <i>Journal of Elastomers and Plastics</i> , 2009, 41, 323-338.	0.7	11
69	Synthesis and characterization of thermoplastic polyurethane/nanoclay composites. <i>Materials Science and Engineering C</i> , 2009, 29, 474-478.	3.8	30
70	Characterization of Microwave-Devulcanized Composites of Ground SBR Scraps. <i>Journal of Elastomers and Plastics</i> , 2009, 41, 497-507.	0.7	48
71	Potentiometric acidity determination in humic substances influenced by different analytical procedures. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1715-1723.	0.6	14
72	Incorpora�o de p� de pneu em uma formula�o para banda de rodagem de pneu de motocicleta. <i>Polimeros</i> , 2008, 18, 320-325.	0.2	6

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73	3D-fluorescence spectroscopic analysis of HPLC fractionated estuarine fulvic and humic acids. Journal of the Brazilian Chemical Society, 2006, 17, 113-124.	0.6	23
74	Fluorescence fingerprint of fulvic and humic acids from varied origins as viewed by single-scan and excitation/emission matrix techniques. Chemosphere, 2005, 58, 715-733.	4.2	255
75	Elemental compositions, FT-IR spectra and thermal behavior of sedimentary fulvic and humic acids from aquatic and terrestrial environments. Geochemical Journal, 2004, 38, 255-264.	0.5	88
76	Application of potentiometry to characterize acid and basic sites in humic substances. Analytica Chimica Acta, 2001, 445, 89-98.	2.6	30
77	Fluorescence Properties of Well-Characterized Sedimentary Estuarine Humic Compounds and Surrounding Pore Waters. Environmental Technology (United Kingdom), 2000, 21, 979-988.	1.2	12
78	Removal of malachite green dye from aqueous solutions by a magnetic adsorbent. Separation Science and Technology, 0, , 1-13.	1.3	10
79	SÃntese e CaracterizaÃ§Ã£o de CopolÃmeros Dibloco Poli(Estireno)-b-Poli(Î³-Benzil-L-Glutamato). Scientia Cum Industria, 0, , 31-38.	0.1	0