MÃ´nica R C Marques

List of Publications by Year
in descending order

92	1,550	394421 19	361022 35
papers	citations	h-index	g-index

92	92	92	2079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal bioavailability and toxicity in freshwaters. Environmental Chemistry Letters, 2015, 13, 69-87.	16.2	140
2	Commercial plastics claiming biodegradable status: Is this also accurate for marine environments?. Journal of Hazardous Materials, 2019, 366, 714-722.	12.4	112
3	The impact of BTEX emissions from gas stations into the atmosphere. Atmospheric Pollution Research, 2012, 3, 163-169.	3.8	109
4	Evaluation of microplastics in Jurujuba Cove, NiterÃ³i, RJ, Brazil, an area of mussels farming. Marine Pollution Bulletin, 2016, 110, 555-558.	5.0	88
5	Impacts of discarded coffee waste on human and environmental health. Ecotoxicology and Environmental Safety, 2017, 141, 30-36.	6.0	78
6	On replacing single-use plastic with so-called biodegradable ones: The case with straws. Environmental Science and Policy, 2020, 106, 177-181.	4.9	54
7	Chemical modification of cross-linked resin based on acrylonitrile for anchoring metal ions. Reactive and Functional Polymers, 2001, 49, 133-143.	4.1	51
8	Removal of ammonia nitrogen from distilled old landfill leachate by adsorption on raw and modified aluminosilicate. Environmental Technology (United Kingdom), 2017, 38, 816-826.	2.2	45
9	Are biodegradable plastics an environmental rip off?. Journal of Hazardous Materials, 2021, 416, 125957.	12.4	39
10	Co-pyrolysis of oil sludge with polyolefins: Evaluation of different Y zeolites to obtain paraffinic products. Journal of Environmental Chemical Engineering, 2020, 8, 103805.	6.7	37
11	Production of oil with potential energetic use by catalytic co-pyrolysis of oil sludge from offshore petroleum industry. Journal of Analytical and Applied Pyrolysis, 2017, 124, 290-297.	5.5	34
12	Toxicological evaluation of Euterpe edulis: A potential superfruit to be considered. Food and Chemical Toxicology, 2013, 58, 536-544.	3.6	33
13	Effects of direct and alternating current on the treatment of oily water in an electroflocculation process. Brazilian Journal of Chemical Engineering, 2014, 31, 693-701.	1.3	30
14	Evaluation of electrocoagulation as pre-treatment of oil emulsions, followed by reverse osmosis. Journal of Water Process Engineering, 2015, 8, 126-135.	5.6	29
15	How to maintain the morphology of styrene-divinylbenzene copolymer beads during the sulfonation reaction. Materials Letters, 2005, 59, 1089-1094.	2.6	27
16	Synthesis of crosslinked resin based on methacrylamide, styrene and divinylbenzene obtained from polymerization in aqueous suspension. European Polymer Journal, 2003, 39, 291-296.	5.4	26
17	Production of light hydrocarbons from pyrolysis of heavy gas oil and high density polyethylene using pillared clays as catalysts. Journal of Analytical and Applied Pyrolysis, 2017, 126, 70-76.	5.5	24
18	Pyrolysis of oil sludge from the offshore petroleum industry: influence of different mesoporous zeolites catalysts to obtain paraffinic products. Environmental Technology (United Kingdom), 2021, 42, 1013-1022.	2.2	23

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19	A comparison between the oxidation with laccase and horseradish peroxidase for triclosan conversion. Environmental Technology (United Kingdom), 2016, 37, 335-343.	2.2	21
20	Enhanced diesel fuel fraction from waste high-density polyethylene and heavy gas oil pyrolysis using factorial design methodology. Waste Management, 2015, 36, 166-176.	7.4	20
21	Development of a solid-phase extraction system modified for preconcentration of emerging contaminants in large sample volumes from rivers of the lagoon system in the city of Rio de Janeiro, Brazil. Marine Pollution Bulletin, 2016, 110, 572-577.	5.0	20
22	Management of cruise ship-generated solid waste: A review. Marine Pollution Bulletin, 2020, 151, 110785.	5.0	20
23	Modification of porous copolymers network based on acrylonitrile. Polymer Bulletin, 2002, 48, 407-414.	3.3	19
24	Selecting a sensitive battery of bioassays to detect toxic effects of metals in effluents. Ecotoxicology and Environmental Safety, 2014, 110, 73-81.	6.0	19
25	Iodineâ€“poly(2-vinylpyridine-co-styrene-co-divinylbenzene) charge transfer complexes with antibacterial activity. European Polymer Journal, 2007, 43, 4712-4718.	5.4	18
26	Synthesis of Crosslinked Copolymers based on Acrylonitrile Containing Carboxyl and Amidrazone Groups. Polymer Bulletin, 2005, 55, 31-40.	3.3	17
27	A study of the porosity of gas filtration cakes. Brazilian Journal of Chemical Engineering, 2009, 26, 307-315.	1.3	17
28	Protection against UV-induced oxidative stress and DNA damage by Amazon moss extracts. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 331-341.	3.8	17
29	Microwave assisted Friedelâ€“Crafts acylation reactions of Amberlite XAD-4â„¢ resin. Materials Letters, 2007, 61, 1190-1196.	2.6	16
30	Synthesis, characterization, and bactericidal properties of composites based on crosslinked resins containing silver. Journal of Applied Polymer Science, 2008, 107, 1879-1886.	2.6	15
31	Study of Pyrene Adsorption on Two Brazilian Soils. Water, Air, and Soil Pollution, 2011, 219, 297-301.	2.4	15
32	Protection against UV-induced toxicity and lack of mutagenicity of Antarctic Sanionia uncinata. Toxicology, 2017, 376, 126-136.	4.2	15
33	Interaction of blockers on drilling fluids rheology and its effects on sealing of fractures and prevention of filtrate invasion. Journal of Petroleum Science and Engineering, 2018, 171, 260-270.	4.2	15
34	Microscopic analysis of porosity of 2-vinylpyridine copolymer networks. Materials Letters, 2004, 58, 563-568.	2.6	14
35	Nanotechnology activities: environmental protection regulatory issues data. Heliyon, 2020, 6, e05303.	3.2	14
36	Influence of mesoporous structure ZSM-5 zeolite on the degradation of Urban plastics waste. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3689-3699.	3.6	13

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37	Toxicological evaluation of nail polish waste discarded in the environment. Environmental Science and Pollution Research, 2019, 26, 27590-27603.	5.3	13
38	Effect of solid particle size on the filtration properties of suspension viscosified with carboxymethylcellulose and xantham gum. Journal of Petroleum Science and Engineering, 2020, 185, 106615.	4.2	13
39	Biodegradable and Edible Film Based on Persimmon (Diospyros kaki L.) Used as a Lid for Minimally Processed Vegetables Packaging. Food and Bioprocess Technology, 2021, 14, 765-779.	4.7	13
40	Co-pyrolysis of polypropylene waste with Brazilian heavy oil. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 461-464.	1.7	12
41	Risk assessment of coffees of different qualities and degrees of roasting. Food Research International, 2021, 141, 110089.	6.2	12
42	Thermodegradation of poly(2-vinylpyridine-co-styrene-co-divinylbenzene) and N-oxide derivatives. Thermochimica Acta, 2004, 424, 63-68.	2.7	11
43	Evaluation of ion exchange resins for recovery of metals from electroplating sludge. Polymer Bulletin, 2013, 70, 2239-2255.	3.3	11
44	Synthesis of composite based on submicron sized silver particles hosted on microspheres of surface-functional porous crosslinked copolymer networks. Materials Letters, 2007, 61, 2993-2999.	2.6	10
45	AvaliaÃ§Ã£o do processo eletrolÃtico em corrente alternada no tratamento de Ã¡gua de produÃ§Ã£o. Quimica Nova, 2011, 34, 59-63.	0.3	10
46	Evaluation of ion exchange resins for removal and recuperation of ammoniumâ€“nitrogen generated by the evaporation of landfill leachate. Polymer Bulletin, 2015, 72, 3119-3134.	3.3	10
47	Microscopic characterization of porosity and chemical modification of acrylonitrile copolymer networks. Materials Letters, 2004, 58, 502-506.	2.6	9
48	Natural Brazilian clays: Efficient green catalysts for coiodination of styrene. Catalysis Communications, 2007, 8, 97-100.	3.3	9
49	Effects of untreated and treated oilfield-produced water on seed germination, seedling development, and biomass production of sunflower (Helianthus annuus L.). Environmental Science and Pollution Research, 2015, 22, 15985-15993.	5.3	9
50	Impact of chemical oxidation on Brazilian soils. Journal of the Brazilian Chemical Society, 2012, 23, 367-371.	0.6	9
51	Thermogravimetric study of some crosslinked copolymers based on poly(acrylonitrile-co-divinylbenzene). Thermochimica Acta, 2007, 456, 128-133.	2.7	8
52	Thermal and Catalytic Pyrolysis of Urban Plastic Waste: Modified Mordenite and ZSM-5 Zeolites. Chemistry, 2022, 4, 297-315.	2.2	8
53	The incorporation of polar monomers in copolymers based on styrene and divinylbenzene obtained from glycerol suspension polymerization. Materials Letters, 2007, 61, 160-164.	2.6	7
54	A Novel Catalytic Process for Degradation of Bisphenol A in Aqueous Solutions Using Fe Supported on Alginate/Carboxymethylcellulose. Catalysis Letters, 2021, 151, 1477-1487.	2.6	7

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55	Green Alkoxyiodination of Cyclohexene Mediated by Natural Clay. Synthetic Communications, 2005, 35, 1627-1631.	2.1	6
56	Development of a new ion-imprinted polymer (IIP) with Cd2+ ions based on divinylbenzene copolymers containing amidoxime groups. Polymer Bulletin, 2020, 77, 1969-1981.	3.3	6
57	Iodine bactericidal action adsorbed in 2-vinylpyridine copolymer networks. Journal of Applied Polymer Science, 2004, 93, 972-976.	2.6	5
58	Comparative adsorptive removal of biperidene and sibutramine chlorhydrates from methanolic solutions by using active coal, clay and polymeric resins. Materials Letters, 2007, 61, 3395-3399.	2.6	5
59	PirÃ³lise de resÃduos polimÃ©ricos gerados por atividades offshore. Polimeros, 2009, 19, 297-304.	0.7	5
60	PreparaÃ§Ã£o de copolÃmeros Ã base de 2-vinilpiridina com propriedades bactericidas. Quimica Nova, 2011, 34, 577-583.	0.3	5
61	Trace Metals Concentrations in Mangrove Sediments of Sepetiba Bay (Rio de Janeiro, Brazil): Microwave Assisted Digestion with Nitric Acid and Aqua Regia. Revista Virtual De Quimica, 2012, 4, .	0.4	5
62	Effects of trisobutylaluminium on styrene polymerization with Ni(acac) 2 /MAO/SiO 2 catalyst system activated by methylaluminoxane. Polymer Bulletin, 2002, 48, 463-468.	3.3	4
63	Oxime groups introduction in copolymer networks based on acrolein. Materials Letters, 2004, 58, 3933-3938.	2.6	4
64	Development of New Sulphonyl Resin from Modification of Commercial Resin. Polymer Bulletin, 2005, 55, 61-70.	3.3	4
65	AvaliaÃ§Ã£o da potencialidade de processos pseudo-fenton para remediaÃ§Ã£o de solos contaminados por diesel. Quimica Nova, 2009, 32, 2200-2202.	0.3	4
66	Oilfield water treatment by electrocoagulationâ€“reverse osmosis for agricultural use: effects on germination and early growth characteristics of sunflower. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297	2.2	4
67	Solid-state 13C nuclear magnetic resonance spectra of 6-aminopenicillanic acid. Solid State Nuclear Magnetic Resonance, 1995, 4, 179-185.	2.3	3
68	Synthesis of porous copolymers network based on methyl methacrylate and evaluation in the Cu (II) extraction. Materials Letters, 2006, 60, 1412-1415.	2.6	3
69	Resinas polimÃ©ricas reticuladas com aÃ§Ã£o biocida: atual estado da arte. Polimeros, 2015, 25, 414-423.	0.7	3
70	ENVIRONMENTAL IMPACTS CAUSED BY RESIDUAL VEGETABLE OIL IN THE SOIL-PLANT SYSTEM. CiÃªncia E Natura, 2017, 39, 748.	0.0	3
71	Co-pirÃ³lise de resÃduos de polietileno com gasÃ³leo pesado da Bacia de Campos. Polimeros, 2011, 21, 347-352.	0.7	2
72	Evaluation of the Biocidal Capacity of Hypercrosslinked Resins Containing Dithiocarbamate Groups. Macromolecular Symposia, 2012, 319, 121-128.	0.7	2

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73	Development of muffins as dialysis snacks for patients undergoing hemodialysis: results of chemical composition and sensory analysis. Journal of Nephrology, 2020, 34, 1281-1289.	2.0	2
74	Impacto ambiental de kartÃ³dromos situados na cidade do Rio de Janeiro: monitoramento de BTEX no ar e do nÃvel de ruÃdo. Quimica Nova, 2012, 35, 1865-1869.	0.3	2
75	Evaluation of strategies to enhance ammoniacal nitrogen tolerance by cyanobacteria. World Journal of Microbiology and Biotechnology, 2022, 38, 7.	3.6	2
76	Metodologia para preservaÃ§Ã£o do fungicida mancozebe em amostras de solo. Quimica Nova, 2011, 34, 1639-1642.	0.3	1
77	Pyrene photochemical species in commercial clays. Chemosphere, 2013, 90, 657-664.	8.2	1
78	Modeling the interaction of the carbamate fungicide Maneb, with bovine albumin. AIP Conference Proceedings, 2016, , .	0.4	1
79	Use of reverse osmosis as a polish for the cationic surfactant after electro-oxidative treatment: Acute and chronic toxicity assessment. Ecotoxicology and Environmental Safety, 2018, 163, 521-527.	6.0	1
80	Electrolytic Treatment of Production Water in the Oil Industry: Environmental Sustainability and Complexity. Revista Virtual De Quimica, 2014, 6, .	0.4	1
81	Antimicrobial activity of silver composites obtained from crosslinked polystyrene with polyHIPE structures. Polimeros, 2021, 31, .	0.7	1
82	Coiodination of styrene with commercial clays: a convenient preparation of styrene oxide. Monatshefte FÃ¼r Chemie, 2009, 140, 519-522.	1.8	0
83	Synergistic Effect of Adsorption and Enzymatic Conversion in the Bisphenol-A Removal by Laccase Immobilized on Poly(glycidyl methacrylate-co-ethyleneglycol dimethacrylate). Journal of the Brazilian Chemical Society, 2017, , .	0.6	0
84	Desenvolvimento sustentÃ¡vel e pensamento complexo: estudo de caso: o uso de argilas como catalisadores. Quimica Nova, 2012, 35, 1891-1894.	0.3	0
85	Evaluation of Bactericidal Action of 2-vinylpiridine Copolymers Containing Quaternary Ammonium Groups and Their Charge Transfer Complexes. Polimeros, 2013, , .	0.7	0
86	BIORREMEDIAÃ‡ÃƒO PASSIVA: UM ESTUDO PRELIMINAR SOBRE O Ã“LEO VEGETAL DE SOJA. CiÃªncia E Natura, 2015, 37, .	0.0	0
87	DeterminaÃ§Ã£o de sÃ³lidos sedimentÃ¡veis: um estudo preliminar sobre biomassas residuais de cafÃ© e ervas-mate comerciais. CiÃªncia E Natura, 2015, 37, .	0.0	0
88	EFFECTS OF PH AND SOLID CONCENTRATION ON THE RHEOLOGY OF DRILLING FLUIDS COMPOSED BY NATURAL CLAY, WATER, AND NaCMC. Brazilian Journal of Petroleum and Gas, 2018, 12, 99-106.	0.2	0
89	AVALIAÃ‡ÃƒO DO POTENCIAL DE IMPACTO DO LIXIVIADO DE ATERRO SANITÃRIO SOBRE ORGANISMOS AQUÃTICOS. Gaia Scientia, 2018, 12, .	0.0	0
90	Evaluation of antimicrobial action of silver composite microspheres based on styrene-divinylbenzene copolymer. Polimeros, 2019, 29, .	0.7	0

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91	Aspectos Associados Ã DegradaÃ§Ã£o Ambiental e ao Uso de Efluentes na Agricultura do Brasil. Fronteiras, 2019, 8, 245-263.	0.1	0
92	Efeitos associados ao descarte inadequado do Ã³leo vegetal residual nas propriedades fÃsico-quÃmicas do solo. Natural Resources, 2020, 10, 25-37.	0.1	0