

# Mã'nica R C Marques

## List of Publications by Year in descending order

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92  
papers

1,550  
citations

393982

19  
h-index

360668

35  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal bioavailability and toxicity in freshwaters. <i>Environmental Chemistry Letters</i> , 2015, 13, 69-87.	8.3	140
2	Commercial plastics claiming biodegradable status: Is this also accurate for marine environments?. <i>Journal of Hazardous Materials</i> , 2019, 366, 714-722.	6.5	112
3	The impact of BTEX emissions from gas stations into the atmosphere. <i>Atmospheric Pollution Research</i> , 2012, 3, 163-169.	1.8	109
4	Evaluation of microplastics in Jurujuba Cove, NiterÃ³i, RJ, Brazil, an area of mussels farming. <i>Marine Pollution Bulletin</i> , 2016, 110, 555-558.	2.3	88
5	Impacts of discarded coffee waste on human and environmental health. <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 30-36.	2.9	78
6	On replacing single-use plastic with so-called biodegradable ones: The case with straws. <i>Environmental Science and Policy</i> , 2020, 106, 177-181.	2.4	54
7	Chemical modification of cross-linked resin based on acrylonitrile for anchoring metal ions. <i>Reactive and Functional Polymers</i> , 2001, 49, 133-143.	2.0	51
8	Removal of ammonia nitrogen from distilled old landfill leachate by adsorption on raw and modified aluminosilicate. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 816-826.	1.2	45
9	Are biodegradable plastics an environmental rip off?. <i>Journal of Hazardous Materials</i> , 2021, 416, 125957.	6.5	39
10	Co-pyrolysis of oil sludge with polyolefins: Evaluation of different Y zeolites to obtain paraffinic products. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103805.	3.3	37
11	Production of oil with potential energetic use by catalytic co-pyrolysis of oil sludge from offshore petroleum industry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 290-297.	2.6	34
12	Toxicological evaluation of <i>Euterpe edulis</i> : A potential superfruit to be considered. <i>Food and Chemical Toxicology</i> , 2013, 58, 536-544.	1.8	33
13	Effects of direct and alternating current on the treatment of oily water in an electroflocculation process. <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 693-701.	0.7	30
14	Evaluation of electrocoagulation as pre-treatment of oil emulsions, followed by reverse osmosis. <i>Journal of Water Process Engineering</i> , 2015, 8, 126-135.	2.6	29
15	How to maintain the morphology of styrene-divinylbenzene copolymer beads during the sulfonation reaction. <i>Materials Letters</i> , 2005, 59, 1089-1094.	1.3	27
16	Synthesis of crosslinked resin based on methacrylamide, styrene and divinylbenzene obtained from polymerization in aqueous suspension. <i>European Polymer Journal</i> , 2003, 39, 291-296.	2.6	26
17	Production of light hydrocarbons from pyrolysis of heavy gas oil and high density polyethylene using pillared clays as catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 70-76.	2.6	24
18	Pyrolysis of oil sludge from the offshore petroleum industry: influence of different mesoporous zeolites catalysts to obtain paraffinic products. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1013-1022.	1.2	23

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19	A comparison between the oxidation with laccase and horseradish peroxidase for triclosan conversion. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 335-343.	1.2	21
20	Enhanced diesel fuel fraction from waste high-density polyethylene and heavy gas oil pyrolysis using factorial design methodology. <i>Waste Management</i> , 2015, 36, 166-176.	3.7	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. <i>Marine Pollution Bulletin</i> , 2016, 110, 572-577.	2.3	20
22	Management of cruise ship-generated solid waste: A review. <i>Marine Pollution Bulletin</i> , 2020, 151, 110785.	2.3	20
23	Modification of porous copolymers network based on acrylonitrile. <i>Polymer Bulletin</i> , 2002, 48, 407-414.	1.7	19
24	Selecting a sensitive battery of bioassays to detect toxic effects of metals in effluents. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 73-81.	2.9	19
25	Iodine- $\pi$ -poly(2-vinylpyridine-co-styrene-co-divinylbenzene) charge transfer complexes with antibacterial activity. <i>European Polymer Journal</i> , 2007, 43, 4712-4718.	2.6	18
26	Synthesis of Crosslinked Copolymers based on Acrylonitrile Containing Carboxyl and Amidrazone Groups. <i>Polymer Bulletin</i> , 2005, 55, 31-40.	1.7	17
27	A study of the porosity of gas filtration cakes. <i>Brazilian Journal of Chemical Engineering</i> , 2009, 26, 307-315.	0.7	17
28	Protection against UV-induced oxidative stress and DNA damage by Amazon moss extracts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 331-341.	1.7	17
29	Microwave assisted Friedel-Crafts acylation reactions of Amberlite XAD-4 $\text{®}$ resin. <i>Materials Letters</i> , 2007, 61, 1190-1196.	1.3	16
30	Synthesis, characterization, and bactericidal properties of composites based on crosslinked resins containing silver. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1879-1886.	1.3	15
31	Study of Pyrene Adsorption on Two Brazilian Soils. <i>Water, Air, and Soil Pollution</i> , 2011, 219, 297-301.	1.1	15
32	Protection against UV-induced toxicity and lack of mutagenicity of Antarctic <i>Sanionia uncinata</i> . <i>Toxicology</i> , 2017, 376, 126-136.	2.0	15
33	Interaction of blockers on drilling fluids rheology and its effects on sealing of fractures and prevention of filtrate invasion. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 260-270.	2.1	15
34	Microscopic analysis of porosity of 2-vinylpyridine copolymer networks. <i>Materials Letters</i> , 2004, 58, 563-568.	1.3	14
35	Nanotechnology activities: environmental protection regulatory issues data. <i>Heliyon</i> , 2020, 6, e05303.	1.4	14
36	Influence of mesoporous structure ZSM-5 zeolite on the degradation of Urban plastics waste. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3689-3699.	2.0	13

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37	Toxicological evaluation of nail polish waste discarded in the environment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27590-27603.	2.7	13
38	Effect of solid particle size on the filtration properties of suspension viscosified with carboxymethylcellulose and xanthan gum. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106615.	2.1	13
39	Biodegradable and Edible Film Based on Persimmon ( <i>Diospyros kaki</i> L.) Used as a Lid for Minimally Processed Vegetables Packaging. <i>Food and Bioprocess Technology</i> , 2021, 14, 765-779.	2.6	13
40	Co-pyrolysis of polypropylene waste with Brazilian heavy oil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 461-464.	0.9	12
41	Risk assessment of coffees of different qualities and degrees of roasting. <i>Food Research International</i> , 2021, 141, 110089.	2.9	12
42	Thermodegradation of poly(2-vinylpyridine-co-styrene-co-divinylbenzene) and N-oxide derivatives. <i>Thermochimica Acta</i> , 2004, 424, 63-68.	1.2	11
43	Evaluation of ion exchange resins for recovery of metals from electroplating sludge. <i>Polymer Bulletin</i> , 2013, 70, 2239-2255.	1.7	11
44	Synthesis of composite based on submicron sized silver particles hosted on microspheres of surface-functional porous crosslinked copolymer networks. <i>Materials Letters</i> , 2007, 61, 2993-2999.	1.3	10
45	Avaliação do processo eletrolítico em corrente alternada no tratamento de Água de produção. <i>Química Nova</i> , 2011, 34, 59-63.	0.3	10
46	Evaluation of ion exchange resins for removal and recuperation of ammonium nitrogen generated by the evaporation of landfill leachate. <i>Polymer Bulletin</i> , 2015, 72, 3119-3134.	1.7	10
47	Microscopic characterization of porosity and chemical modification of acrylonitrile copolymer networks. <i>Materials Letters</i> , 2004, 58, 502-506.	1.3	9
48	Natural Brazilian clays: Efficient green catalysts for coiodination of styrene. <i>Catalysis Communications</i> , 2007, 8, 97-100.	1.6	9
49	Effects of untreated and treated oilfield-produced water on seed germination, seedling development, and biomass production of sunflower ( <i>Helianthus annuus</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 15985-15993.	2.7	9
50	Impact of chemical oxidation on Brazilian soils. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 367-371.	0.6	9
51	Thermogravimetric study of some crosslinked copolymers based on poly(acrylonitrile-co-divinylbenzene). <i>Thermochimica Acta</i> , 2007, 456, 128-133.	1.2	8
52	Thermal and Catalytic Pyrolysis of Urban Plastic Waste: Modified Mordenite and ZSM-5 Zeolites. <i>Chemistry</i> , 2022, 4, 297-315.	0.9	8
53	The incorporation of polar monomers in copolymers based on styrene and divinylbenzene obtained from glycerol suspension polymerization. <i>Materials Letters</i> , 2007, 61, 160-164.	1.3	7
54	A Novel Catalytic Process for Degradation of Bisphenol A in Aqueous Solutions Using Fe Supported on Alginate/Carboxymethylcellulose. <i>Catalysis Letters</i> , 2021, 151, 1477-1487.	1.4	7

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55	Green Alkoxyiodination of Cyclohexene Mediated by Natural Clay. <i>Synthetic Communications</i> , 2005, 35, 1627-1631.	1.1	6
56	Development of a new ion-imprinted polymer (IIP) with Cd <sup>2+</sup> ions based on divinylbenzene copolymers containing amidoxime groups. <i>Polymer Bulletin</i> , 2020, 77, 1969-1981.	1.7	6
57	Iodine bactericidal action adsorbed in 2-vinylpyridine copolymer networks. <i>Journal of Applied Polymer Science</i> , 2004, 93, 972-976.	1.3	5
58	Comparative adsorptive removal of biperidene and sibutramine chlorhydrates from methanolic solutions by using active coal, clay and polymeric resins. <i>Materials Letters</i> , 2007, 61, 3395-3399.	1.3	5
59	Pirólise de resíduos poliméricos gerados por atividades offshore. <i>Polimeros</i> , 2009, 19, 297-304.	0.2	5
60	Preparação de copolímeros à base de 2-vinilpiridina com propriedades bactericidas. <i>Química Nova</i> , 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. <i>Revista Virtual De Química</i> , 2012, 4, .	0.1	5
62	Effects of triisobutylaluminium on styrene polymerization with Ni(acac) <sub>2</sub> /MAO/SiO <sub>2</sub> catalyst system activated by methylaluminoxane. <i>Polymer Bulletin</i> , 2002, 48, 463-468.	1.7	4
63	Oxime groups introduction in copolymer networks based on acrolein. <i>Materials Letters</i> , 2004, 58, 3933-3938.	1.3	4
64	Development of New Sulphonyl Resin from Modification of Commercial Resin. <i>Polymer Bulletin</i> , 2005, 55, 61-70.	1.7	4
65	Avaliação da potencialidade de processos pseudo-fenton para remediação de solos contaminados por diesel. <i>Química Nova</i> , 2009, 32, 2200-2202.	0.3	4
66	Oilfield water treatment by electrocoagulation + reverse osmosis for agricultural use: effects on germination and early growth characteristics of sunflower. <i>Environmental Technology (United Kingdom)</i> 14(10) 1207-1214	0.2	4
67	Solid-state <sup>13</sup> C nuclear magnetic resonance spectra of 6-aminopenicillanic acid. <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 4, 179-185.	1.5	3
68	Synthesis of porous copolymers network based on methyl methacrylate and evaluation in the Cu (II) extraction. <i>Materials Letters</i> , 2006, 60, 1412-1415.	1.3	3
69	Resinas poliméricas reticuladas com ação biocida: atual estado da arte. <i>Polimeros</i> , 2015, 25, 414-423.	0.2	3
70	ENVIRONMENTAL IMPACTS CAUSED BY RESIDUAL VEGETABLE OIL IN THE SOIL-PLANT SYSTEM. <i>Ciência E Natura</i> , 2017, 39, 748.	0.0	3
71	Co-pirólise de resíduos de polietileno com gás oleoso pesado da Bacia de Campos. <i>Polimeros</i> , 2011, 21, 347-352.	0.2	2
72	Evaluation of the Biocidal Capacity of Hypercrosslinked Resins Containing Dithiocarbamate Groups. <i>Macromolecular Symposia</i> , 2012, 319, 121-128.	0.4	2

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73	Development of muffins as dialysis snacks for patients undergoing hemodialysis: results of chemical composition and sensory analysis. <i>Journal of Nephrology</i> , 2020, 34, 1281-1289.	0.9	2
74	Impacto ambiental de kartã³dromos situados na cidade do Rio de Janeiro: monitoramento de BTEX no ar e do nÃvel de ruÃdo. <i>Quimica Nova</i> , 2012, 35, 1865-1869.	0.3	2
75	Evaluation of strategies to enhance ammoniacal nitrogen tolerance by cyanobacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 7.	1.7	2
76	Metodologia para preservaÃ§Ã£o do fungicida mancozebe em amostras de solo. <i>Quimica Nova</i> , 2011, 34, 1639-1642.	0.3	1
77	Pyrene photochemical species in commercial clays. <i>Chemosphere</i> , 2013, 90, 657-664.	4.2	1
78	Modeling the interaction of the carbamate fungicide Maneb, with bovine albumin. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
79	Use of reverse osmosis as a polish for the cationic surfactant after electro-oxidative treatment: Acute and chronic toxicity assessment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 521-527.	2.9	1
80	Electrolytic Treatment of Production Water in the Oil Industry: Environmental Sustainability and Complexity. <i>Revista Virtual De Quimica</i> , 2014, 6, .	0.1	1
81	Antimicrobial activity of silver composites obtained from crosslinked polystyrene with polyHIPE structures. <i>Polimeros</i> , 2021, 31, .	0.2	1
82	Coidination of styrene with commercial clays: a convenient preparation of styrene oxide. <i>Monatshefte FÃ¼r Chemie</i> , 2009, 140, 519-522.	0.9	0
83	Synergistic Effect of Adsorption and Enzymatic Conversion in the Bisphenol-A Removal by Laccase Immobilized on Poly(glycidyl methacrylate-co-ethyleneglycol dimethacrylate). <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	0
84	Desenvolvimento sustentÃvel e pensamento complexo: estudo de caso: o uso de argilas como catalisadores. <i>Quimica Nova</i> , 2012, 35, 1891-1894.	0.3	0
85	Evaluation of Bactericidal Action of 2-vinylpyridine Copolymers Containing Quaternary Ammonium Groups and Their Charge Transfer Complexes. <i>Polimeros</i> , 2013, , .	0.2	0
86	BIORREMEDIAÃ§Ã£o PASSIVA: UM ESTUDO PRELIMINAR SOBRE O Ã“LEO VEGETAL DE SOJA. <i>CiÃªncia E Natura</i> , 2015, 37, .	0.0	0
87	DeterminaÃ§Ã£o de sÃ³lidos sedimentÃveis: um estudo preliminar sobre biomassas residuais de cafÃ© e ervas-mate comerciais. <i>CiÃªncia E Natura</i> , 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. <i>Brazilian Journal of Petroleum and Gas</i> , 2018, 12, 99-106.	0.1	0
89	AVALIAÃ§Ã£o DO POTENCIAL DE IMPACTO DO LIXIVIADO DE ATERRO SANITÃRIO SOBRE ORGANISMOS AQUÃTICOS. <i>Gaia Scientia</i> , 2018, 12, .	0.0	0
90	Evaluation of antimicrobial action of silver composite microspheres based on styrene-divinylbenzene copolymer. <i>Polimeros</i> , 2019, 29, .	0.2	0

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91	Aspectos Associados À Degradação Ambiental e ao Uso de Efluentes na Agricultura do Brasil. Fronteiras, 2019, 8, 245-263.	0.0	0
92	Efeitos associados ao descarte inadequado do Óleo vegetal residual nas propriedades fásico-quâmicas do solo. Natural Resources, 2020, 10, 25-37.	0.1	0