

Marcia R De Moura

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

3,574
citations

30
h-index

58
g-index

106
ext. papers

4,089
ext. citations

3.9
avg, IF

5.38
L-index

#	Paper	IF	Citations
96	Infusion of alpha-galactosidase A reduces tissue globotriaosylceramide storage in patients with Fabry disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 365-70	11.5	311
95	Improved barrier and mechanical properties of novel hydroxypropyl methylcellulose edible films with chitosan/tripolyphosphate nanoparticles. <i>Journal of Food Engineering</i> , 2009 , 92, 448-453	6	250
94	A preliminary study of the incorporation of NPK fertilizer into chitosan nanoparticles. <i>EXPRESS Polymer Letters</i> , 2010 , 4, 509-515	3.4	248
93	Development of cellulose-based bactericidal nanocomposites containing silver nanoparticles and their use as active food packaging. <i>Journal of Food Engineering</i> , 2012 , 109, 520-524	6	242
92	Antimicrobial and physical-mechanical properties of pectin/papaya puree/cinnamaldehyde nanoemulsion edible composite films. <i>Food Hydrocolloids</i> , 2014 , 41, 188-194	10.6	216
91	Recent Advances on Edible Films Based on Fruits and Vegetables-A Review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2017 , 16, 1151-1169	16.4	215
90	Chitosan nanoparticles on the improvement of thermal, barrier, and mechanical properties of high- and low-methyl pectin films. <i>Food Hydrocolloids</i> , 2016 , 52, 732-740	10.6	96
89	Preparation of chitosan nanoparticles using methacrylic acid. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 477-83	9.3	96
88	Effect of chitosan nanoparticles and pectin content on mechanical properties and water vapor permeability of banana puree films. <i>Journal of Food Science</i> , 2013 , 78, N98-104	3.4	86
87	N,N,N-trimethyl chitosan nanoparticles as a vitamin carrier system. <i>Food Hydrocolloids</i> , 2012 , 27, 487-493	10.6	76
86	Edible films from alginate-acerola puree reinforced with cellulose whiskers. <i>LWT - Food Science and Technology</i> , 2012 , 46, 294-297	5.4	70
85	Chitosan nanoparticle coatings reduce microbial growth on fresh-cut apples while not affecting quality attributes. <i>International Journal of Food Science and Technology</i> , 2015 , 50, 440-448	3.8	69
84	Preparation and characterization of novel micro- and nanocomposite hydrogels containing cellulosic fibrils. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 9433-42	5.7	67
83	Properties of novel hydroxypropyl methylcellulose films containing chitosan nanoparticles. <i>Journal of Food Science</i> , 2008 , 73, N31-7	3.4	62
82	Characterization of PNIPAAm photografted on PET and PS surfaces. <i>Applied Surface Science</i> , 2005 , 245, 223-233	6.7	59
81	Porous alginate-Ca ²⁺ hydrogels interpenetrated with PNIPAAm networks: Interrelationship between compressive stress and pore morphology. <i>European Polymer Journal</i> , 2005 , 41, 2845-2852	5.2	57
80	Polyacrylamide and methylcellulose hydrogel as delivery vehicle for the controlled release of paraquat pesticide. <i>Journal of Materials Science</i> , 2010 , 45, 4977-4985	4.3	56

79	Highly stable, edible cellulose films incorporating chitosan nanoparticles. <i>Journal of Food Science</i> , 2011 , 76, N25-9	3.4	55
78	Evaluation of the genotoxicity of chitosan nanoparticles for use in food packaging films. <i>Journal of Food Science</i> , 2010 , 75, N89-96	3.4	52
77	Release of BSA from porous matrices constituted of alginate-Ca ²⁺ and PNIPAAm-interpenetrated networks. <i>Materials Science and Engineering C</i> , 2009 , 29, 2319-2325	8.3	52
76	Application of polysaccharide hydrogels in adsorption and controlled-extended release of fertilizers processes. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 2291-2298	2.9	50
75	Thermal, microstructural, and spectroscopic analysis of Ca ²⁺ alginate/clay nanocomposite hydrogel beads. <i>Journal of Molecular Liquids</i> , 2018 , 265, 327-336	6	48
74	Chelating and antibacterial properties of chitosan nanoparticles on dentin. <i>Restorative Dentistry & Endodontics</i> , 2015 , 40, 195-201	1.5	46
73	Gold deposits of the Tapaj� and Alta Floresta Domains, Tapaj� Parima orogenic belt, Amazon Craton, Brazil. <i>Mineralium Deposita</i> , 2001 , 36, 278-299	4.8	46
72	Optical and morphological characterization of polyacrylamide hydrogel and liquid crystal systems. <i>European Polymer Journal</i> , 2005 , 41, 2134-2141	5.2	44
71	Novel thermo-responsive membranes composed of interpenetrated polymer networks of alginate-Ca ²⁺ and poly(N-isopropylacrylamide). <i>Polymer</i> , 2005 , 46, 2668-2674	3.9	41
70	Thermo-sensitive IPN hydrogels composed of PNIPAAm gels supported on alginate-Ca ²⁺ with LCST tailored close to human body temperature. <i>Polymer Testing</i> , 2006 , 25, 961-969	4.5	39
69	Optimized and scaled-up production of cellulose-reinforced biodegradable composite films made up of carrot processing waste. <i>Industrial Crops and Products</i> , 2018 , 121, 66-72	5.9	37
68	Granite-ore deposit relationships in Central Brazil. <i>Journal of South American Earth Sciences</i> , 1998 , 11, 427-438	2	36
67	Development of novel guava puree films containing chitosan nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2711-7	1.3	30
66	Evaluation of antimicrobial activity of silver nanoparticles for carboxymethylcellulose film applications in food packaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 5512-7	1.3	29
65	Petrogenetic and mineralization processes in Paleo- to Mesoproterozoic rapakivi granites: examples from Pitinga and Goi�, Brazil. <i>Precambrian Research</i> , 2002 , 119, 277-299	3.9	29
64	Nanostructured Antimicrobials in Food Packaging-Recent Advances. <i>Biotechnology Journal</i> , 2019 , 14, e1900068	5.6	28
63	Barrier and Mechanical Properties of Clay-Reinforced Polymeric Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2011 , 50, 1323-1328		28
62	Miniaturization of cellulose fibers and effect of addition on the mechanical and barrier properties of hydroxypropyl methylcellulose films. <i>Journal of Food Engineering</i> , 2011 , 104, 154-160	6	28

61	Brown adipose tissue glyceroneogenesis is activated in rats exposed to cold. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 449, 463-9	4.6	27
60	Rapid, single-step assay for Hunter syndrome in dried blood spots using digital microfluidics. <i>Clinica Chimica Acta</i> , 2011 , 412, 1895-7	6.2	24
59	Tensile and water vapour properties of calcium-crosslinked alginate-cashew tree gum films. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 710-715	3.8	22
58	Preparation and characterization of hydrophilic, spectroscopic, and kinetic properties of hydrogels based on polyacrylamide and methylcellulose polysaccharide. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 3004-3013	2.9	22
57	Surface modification of polystyrene and poly(ethylene terephthalate) by grafting poly(N-isopropylacrylamide). <i>Journal of Materials Science: Materials in Medicine</i> , 2002 , 13, 1175-80	4.5	21
56	Combining Cupuassu (<i>Theobroma grandiflorum</i>) Puree, Pectin, and Chitosan Nanoparticles into Novel Edible Films for Food Packaging Applications. <i>Journal of Food Science</i> , 2019 , 84, 2228-2233	3.4	20
55	Birefringent hydrogels based on PAAm and lyotropic liquid crystal: Optical, morphological and hydrophilic characterization. <i>European Polymer Journal</i> , 2006 , 42, 2781-2790	5.2	20
54	Development of a panel of highly sensitive, equivalent assays for detection of antibody responses to velaglucerase alfa or imiglucerase enzyme replacement therapy in patients with Gaucher disease. <i>Journal of Immunological Methods</i> , 2011 , 373, 45-53	2.5	19
53	THE INDIUM-RICH SULFIDES AND RARE ARSENATES OF THE Sn-In-MINERALIZED MANGABEIRA A-TYPE GRANITE, CENTRAL BRAZIL. <i>Canadian Mineralogist</i> , 2007 , 45, 485-496	0.7	19
52	New Edible Bionanocomposite Prepared by Pectin and Clove Essential Oil Nanoemulsions. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6540-4	1.3	19
51	On the effects of hydroxyl substitution degree and molecular weight on mechanical and water barrier properties of hydroxypropyl methylcellulose films. <i>Carbohydrate Polymers</i> , 2018 , 185, 105-111	10.3	18
50	Cytotoxic and genotoxic effects of silver nanoparticle/carboxymethyl cellulose on <i>Allium cepa</i> . <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 352	3.1	18
49	Relative importance of sympathetic outflow and insulin in the reactivation of brown adipose tissue lipogenesis in rats adapted to a high-protein diet. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 343-9	12.7	18
48	Entrapment characteristics of hydrosoluble vitamins loaded into chitosan and N,N,N-trimethyl chitosan nanoparticles. <i>Macromolecular Research</i> , 2014 , 22, 1261-1267	1.9	17
47	Glucose uptake and glycolytic flux in adipose tissue from rats adapted to a high-protein, carbohydrate-free diet. <i>Metabolism: Clinical and Experimental</i> , 2001 , 50, 1208-12	12.7	17
46	Synthesis and Characterization of Intercalated Nanocomposites Based on Poly(methacrylic acid) Hydrogel and Nanoclay Cloisite-Na ⁺ for Possible Application in Agriculture. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 5878-5883	1.3	16
45	Genesis of the Proterozoic Mangabeira tinândium mineralization, Central Brazil: Evidence from geology, petrology, fluid inclusion and stable isotope data. <i>Ore Geology Reviews</i> , 2014 , 60, 36-49	3.2	15
44	Nanotechnology Applied in Agriculture: Controlled Release of Agrochemicals 2015 , 103-118		14

43	Aporte e Decomposio da Serapilheira na Caatinga no Sul do PiauFloresta E Ambiente, 2015 , 22, 42-49	1	14
42	Granite-Related Paleoproterozoic, Serrinha Gold Deposit, Southern Amazonia, Brazil: Hydrothermal Alteration, Fluid Inclusion and Stable Isotope Constraints on Genesis and Evolution. <i>Economic Geology</i> , 2006 , 101, 585-605	4.3	13
41	Analysis of the physical and functional parameters of older adults with chronic venous disease. <i>Archives of Gerontology and Geriatrics</i> , 2012 , 55, 696-701	4	12
40	Kinetic Study of Bovine Serum Albumin (BSA) Released from Alginate-Ca ²⁺ /PNIPAAm Hydrogels. <i>Macromolecular Symposia</i> , 2008 , 266, 108-113	0.8	12
39	Chitosan nanoparticles as a modified diclofenac drug release system. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	10
38	pH effect in aquatic fulvic acid from a Brazilian river. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 1490-1496	1.5	10
37	Hidrogs semi-IPN baseados em rede de alginato-Ca ²⁺ com PNIPAAm entrelado: propriedades hidroflicas, morfolgicas e mecnicas. <i>Polimeros</i> , 2008 , 18, 132-137	1.6	10
36	Sntese de hidrogs e cintica de liberao de amnio e potssio. <i>Revista Brasileira De Ciencia Do Solo</i> , 2008 , 32, 1643-1649	1.5	10
35	On the preparation and physicochemical properties of pH-responsive hydrogel nanocomposite based on poly(acid methacrylic)/laponite RDS. <i>Materials Today Communications</i> , 2020 , 23, 100936	2.5	9
34	Thermal and morphological characterization of highly porous nanocomposites for possible application in potassium controlled release. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 2205-2212	4.1	9
33	Effect of cold acclimation on brown adipose tissue fatty acid synthesis in rats adapted to a high-protein, carbohydrate-free diet. <i>Metabolism: Clinical and Experimental</i> , 2001 , 50, 1493-8	12.7	9
32	Upcycling Microbial Cellulose Scraps into Nanowhiskers with Engineered Performance as Fillers in All-Cellulose Composites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46661-46666	9.5	8
31	Effect of green tea extract on gelatin-based films incorporated with lemon essential oil. <i>Journal of Food Science and Technology</i> , 2021 , 58, 1-8	3.3	8
30	Development of alginate/starch-based hydrogels crosslinked with different ions: Hydrophilic, kinetic and spectroscopic properties. <i>Materials Today Communications</i> , 2019 , 21, 100636	2.5	7
29	Preparao de novos nanobiocompsitos comestveis ativos contendo nanoemulso de canela e pectina. <i>Polimeros</i> , 2014 , 24, 486-490	1.6	7
28	Proteolytic activity of purified avian sarcoma and leukemia virus NC-PR protein expressed in Escherichia coli. <i>Virology</i> , 1996 , 221, 335-45	3.6	7
27	Effect of Dental Pigmentation Intensity on the Transenamel and Transdental Penetration of Hydrogen Peroxide. <i>Brazilian Dental Journal</i> , 2016 , 27, 399-403	1.9	7
26	Kalungaite, PdAsSe, a new platinum-group mineral from the Buraco do Ouro gold mine, Cavalcante, Gois State, Brazil. <i>Mineralogical Magazine</i> , 2006 , 70, 123-130	1.7	6

25	Nanoparticles and Antimicrobial Food Packaging 2018 ,		5
24	Correlating pH and Swelling Degree Parameters to Understand the Sorption and Desorption Process of Diquat Herbicide from Nanocomposites Based on Polysaccharide and Clinoptilolite. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3389-3400	4.5	5
23	Hybrid nanocomposites containing carboxymethylcellulose and silver nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1946-50	1.3	4
22	Caracterizaço de hidrogis condutores constituidos por PAAm e PEDOT/PSS por meio de planejamento fatorial. <i>Polimeros</i> , 2008 , 18, 126-131	1.6	4
21	Resistncia mecnica de hidrogis termo-sensveis constituidos de Alginato-Ca ²⁺ / PNIPAAm, tipo Semi-IPN. <i>Quimica Nova</i> , 2007 , 30, 1649-1652	1.6	4
20	Antioxidant and antimicrobial effect of an innovative active film containing corn stigma residue extract for refrigerated meat conservation. <i>Journal of Food Processing and Preservation</i> , 2021 , 45, e15721	2.1	4
19	Water Absorption and Physicochemical Characterization of Novel Zeolite-PMAA-co-PAAm Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 7286-7295	1.3	4
18	Mineralogical characterization of diamonds from Roosevelt Indigenous Reserve, Brazil, using non-destructive methods. <i>Lithos</i> , 2016 , 265, 182-198	2.9	3
17	The La Unio Au - Cu prospect, Camagy District, Cuba: fluid inclusion and stable isotope evidence for ore-forming processes. <i>Mineralium Deposita</i> , 2011 , 46, 91-104	4.8	3
16	Adaptation to a high protein, carbohydrate-free diet induces a marked reduction of fatty acid synthesis and lipogenic enzymes in rat adipose tissue that is rapidly reverted by a balanced diet. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005 , 83, 477-82	2.4	3
15	Structural and mechanical characterization of polyurethane-CaCO ₃ composites synthesized at high calcium carbonate loading: An experimental and theoretical study. <i>Journal of Composite Materials</i> , 2002 , 36, 1983-1996	2.7	3
14	Escalating the technical bounds for the production of cellulose-aided peach leathers: From the benchtop to the pilot plant. <i>Carbohydrate Polymers</i> , 2020 , 245, 116437	10.3	2
13	Hybrid Biodegradable Hydrogels Obtained from Nanoclay and Carboxymethylcellulose Polysaccharide: Hydrophilic, Kinetic, Spectroscopic and Morphological Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 821-27	1.3	2
12	Intentionality of organ/tissues donation for transplantation within a Brazilian hospital complex. <i>Transplantation Proceedings</i> , 2012 , 44, 2272-5	1.1	2
11	Fabricao de filmes bionanocompsitos base de pectina e polpa de cacau com potencial uso como embalagem para alimentos. <i>Quimica Nova</i> ,	1.6	2
10	Nano-chitosan as an antimicrobial agent in preservative solutions for cut flowers. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2168	3.5	2
9	POLYSACCHARIDE-BASED NANOCOMPOSITE HYDROGELS WITH ZEOLITE: EVALUATION OF THE SORPTION PROCESS OF PESTICIDE PARAQUAT. <i>Quimica Nova</i> , 2018 ,	1.6	2
8	Effect of corn stigma extract on physical and antioxidant properties of biodegradable and edible gelatin and corn starch films.. <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 698-706	7.9	2

7	Efficiency Improvement of Cellulose Derivative Nanocomposite Using Titanium Dioxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 2206-2211	1.3	1
6	Performance of Gelatin Films Reinforced with Cloisite Na and Black Pepper Essential Oil Loaded Nanoemulsion.. <i>Polymers</i> , 2021 , 13,	4.5	1
5	Recent advances on nanohybrid systems constituting clay-chitosan with organic molecules -A review. <i>Applied Clay Science</i> , 2022 , 226, 106548	5.2	1
4	Citric acid incorporated in a chitosan film as an active packaging material to improve the quality and duration of matured cheese shelf life. <i>Journal of Dairy Research</i> ,1-7	1.6	1
3	Properties, synthesis, characterization and application of hydrogel and magnetic hydrogels: A concise review 2021 , 437-457		0
2	Novel pulp capping material based on sodium trimetaphosphate: synthesis, characterization, and antimicrobial properties.. <i>Journal of Applied Oral Science</i> , 2022 , 30, e20210483	3.3	0
1	Effect of Hydrogel Nanocomposites on the Fresh and Hardened Properties of Cementitious Pastes. <i>Macromolecular Symposia</i> , 2020 , 394, 2000047	0.8	