

Regina C M De Paula

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108
papers

4,030
citations

38
h-index

59
g-index

110
ext. papers

4,557
ext. citations

6.5
avg, IF

5.4
L-index

#	Paper	IF	Citations
108	Isolation and characterization of soluble sulfated polysaccharide from the red seaweed <i>Gracilaria cornea</i> . <i>Carbohydrate Polymers</i> , 2002 , 49, 491-498	10.3	216
107	Chitosan/cashew gum nanogels for essential oil encapsulation. <i>Carbohydrate Polymers</i> , 2012 , 89, 1277-82	10.3	158
106	Alginate/cashew gum nanoparticles for essential oil encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 113, 146-51	6	145
105	Characterization of <i>Anacardium occidentale</i> exudate polysaccharide. <i>Polymer International</i> , 1998 , 45, 27-35	3.3	138
104	Composition and rheological properties of cashew tree gum, the exudate polysaccharide from <i>Anacardium occidentale</i> L. <i>Carbohydrate Polymers</i> , 1995 , 26, 177-181	10.3	136
103	Graft copolymerisation of acrylamide onto cashew gum. <i>European Polymer Journal</i> , 2007 , 43, 2620-2629	5.2	133
102	Structural characterization of cold extracted fraction of soluble sulfated polysaccharide from red seaweed <i>Gracilaria birdiae</i> . <i>Carbohydrate Polymers</i> , 2008 , 71, 559-565	10.3	130
101	Carboxymethylation of cashew tree exudate polysaccharide. <i>Carbohydrate Polymers</i> , 2004 , 58, 163-171	10.3	121
100	Extraction and physicochemical characterization of <i>Sargassum vulgare</i> alginate from Brazil. <i>Carbohydrate Research</i> , 2007 , 342, 2067-74	2.9	110
99	Amylose contents, rheological properties and gelatinization kinetics of yam (<i>Dioscorea alata</i>) and cassava (<i>Manihot utilissima</i>) starches. <i>Carbohydrate Polymers</i> , 2004 , 55, 3-8	10.3	90
98	Structural characterization of polysaccharide obtained from red seaweed <i>Gracilaria caudata</i> (J Agardh). <i>Carbohydrate Polymers</i> , 2013 , 92, 598-603	10.3	87
97	Preparation and characterization of chitosan/cashew gum beads loaded with <i>Lippia sidoides</i> essential oil. <i>Materials Science and Engineering C</i> , 2011 , 31, 173-178	8.3	84
96	Dynamic rheological study of <i>Sterculia striata</i> and karaya polysaccharides in aqueous solution. <i>Food Hydrocolloids</i> , 2005 , 19, 861-867	10.6	66
95	Low viscosity hydrogel of guar gum: preparation and physicochemical characterization. <i>International Journal of Biological Macromolecules</i> , 2005 , 37, 99-104	7.9	65
94	Effects of a sulfated polysaccharide isolated from the red seaweed <i>Solieria filiformis</i> on models of nociception and inflammation. <i>Carbohydrate Polymers</i> , 2011 , 86, 1207-1215	10.3	62
93	Composition and rheological properties of <i>Albizia lebbek</i> gum exudate. <i>Carbohydrate Polymers</i> , 2001 , 44, 133-139	10.3	62
92	Self-assembled nanoparticles of acetylated cashew gum: characterization and evaluation as potential drug carrier. <i>Carbohydrate Polymers</i> , 2015 , 117, 610-615	10.3	61

91	Cashew gum and inulin: New alternative for ginger essential oil microencapsulation. <i>Carbohydrate Polymers</i> , 2016 , 153, 133-142	10.3	61
90	Purification of guar gum for biological applications. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 324-31	7.9	61
89	Isolation and characterization of galactomannan from <i>Dimorphandra gardneriana</i> Tul. seeds as a potential guar gum substitute. <i>Food Hydrocolloids</i> , 2009 , 23, 880-885	10.6	59
88	Chitosan/carboxymethyl cashew gum polyelectrolyte complex: synthesis and thermal stability. <i>European Polymer Journal</i> , 2005 , 41, 2726-2733	5.2	57
87	Antimicrobial effect of a crude sulfated polysaccharide from the red seaweed <i>Gracilaria ornata</i> . <i>Brazilian Archives of Biology and Technology</i> , 2012 , 55, 171-181	1.8	55
86	Characterisation of partially hydrolysed galactomannan from <i>Caesalpinia pulcherrima</i> seeds as a potential dietary fibre. <i>Food Hydrocolloids</i> , 2014 , 35, 512-521	10.6	53
85	Characterization of crosslinked cashew gum derivatives. <i>Carbohydrate Polymers</i> , 2006 , 66, 16-26	10.3	53
84	<i>Sterculia striata</i> exudate polysaccharide: characterization, rheological properties and comparison with <i>Sterculia urens</i> (karaya) polysaccharide. <i>Polymer International</i> , 2004 , 53, 1025-1032	3.3	53
83	Effect of mono and divalent salts on gelation of native, Na and deacetylated <i>Sterculia striata</i> and <i>Sterculia urens</i> polysaccharide gels. <i>Carbohydrate Polymers</i> , 2003 , 54, 229-236	10.3	48
82	Chemical and X-ray analyses of five brands of dental gutta-percha cone. <i>International Endodontic Journal</i> , 2003 , 36, 302-7	5.4	48
81	Sulfated chitosan as tear substitute with no antimicrobial activity. <i>Carbohydrate Polymers</i> , 2013 , 91, 92-910.3	10.3	47
80	Chemical structure and anti-inflammatory effect of polysaccharide extracted from <i>Morinda citrifolia</i> Linn (Noni). <i>Carbohydrate Polymers</i> , 2018 , 197, 515-523	10.3	46
79	A novel antioxidant sulfated polysaccharide from the algae <i>Gracilaria caudata</i> : In vitro and in vivo activities. <i>Food Hydrocolloids</i> , 2019 , 90, 28-34	10.6	44
78	Application of cashew tree gum on the production and stability of spray-dried fish oil. <i>Food Chemistry</i> , 2017 , 221, 1522-1529	8.5	41
77	Polysaccharide isolated from <i>Passiflora edulis</i> : Characterization and antitumor properties. <i>Carbohydrate Polymers</i> , 2012 , 87, 139-145	10.3	41
76	Sulfated polysaccharide fraction from marine algae <i>Solieria filiformis</i> : Structural characterization, gastroprotective and antioxidant effects. <i>Carbohydrate Polymers</i> , 2016 , 152, 140-148	10.3	41
75	<i>Lippia sidoides</i> essential oil encapsulation by angico gum/chitosan nanoparticles. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 2359-2366	1.5	40
74	A new heterofunctional support for enzyme immobilization: PEI functionalized FeO MNPs activated with divinyl sulfone. Application in the immobilization of lipase from <i>Thermomyces lanuginosus</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 138, 109560	3.8	39

73	Pectin from <i>Passiflora edulis</i> shows anti-inflammatory action as well as hypoglycemic and hypotriglyceridemic properties in diabetic rats. <i>Journal of Medicinal Food</i> , 2011 , 14, 1118-26	2.8	39
72	Synthesis and characterization of cashew gum/acrylic acid nanoparticles. <i>Materials Science and Engineering C</i> , 2009 , 29, 437-441	8.3	39
71	Acetylated cashew gum-based nanoparticles for transdermal delivery of diclofenac diethyl amine. <i>Carbohydrate Polymers</i> , 2016 , 143, 254-61	10.3	38
70	Chitosan-coated pectin beads: Characterization and in vitro release of mangiferin. <i>Food Hydrocolloids</i> , 2009 , 23, 2278-2286	10.6	37
69	Synthesis and characterization of non-toxic and thermo-sensitive poly(N-isopropylacrylamide)-grafted cashew gum nanoparticles as a potential epirubicin delivery matrix. <i>Carbohydrate Polymers</i> , 2016 , 154, 77-85	10.3	35
68	Contribution of the cashew gum (<i>Anacardium occidentale</i> L.) for development of layer-by-layer films with potential application in nanobiomedical devices. <i>Materials Science and Engineering C</i> , 2012 , 32, 1588-93	8.3	35
67	Sulfated polysaccharide from the marine algae <i>Hypnea musciformis</i> inhibits TNBS-induced intestinal damage in rats. <i>Carbohydrate Polymers</i> , 2016 , 151, 957-964	10.3	34
66	Polysaccharide isolated from <i>Agardhiella ramosissima</i> : chemical structure and anti-inflammation activity. <i>Carbohydrate Polymers</i> , 2014 , 99, 59-67	10.3	34
65	Polissacarídeos da biodiversidade brasileira: uma oportunidade de transformar conhecimento em valor econômico. <i>Química Nova</i> , 2009 , 32, 649-660	1.6	33
64	Swelling studies of chitosan/cashew nut gum physical gels. <i>Carbohydrate Polymers</i> , 2002 , 48, 313-318	10.3	32
63	Oxidation of cashew tree gum exudate polysaccharide with TEMPO reagent. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 85-92	1.5	31
62	3-Benzoxazol-2-yl-7-(N,N-diethylamino)-chromen-2-one as a fluorescence probe for the investigation of micellar microenvironments. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 165, 109-114	4.7	31
61	Hydrophobization of cashew gum by acetylation mechanism and amphotericin B encapsulation. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 523-530	7.9	31
60	Banana (<i>Musa sp. cv. Pacovan</i>) Pseudostem Fibers are Composed of Varying Lignocellulosic Composition throughout the Diameter. <i>BioResources</i> , 2014 , 9,	1.3	29
59	Preparation and characterization of a chemically sulfated cashew gum polysaccharide. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1953-1960	1.5	29
58	Microspheres of chitosan/carboxymethyl cashew gum (CH/CMCG): Effect of chitosan molar mass and CMCG degree of substitution on the swelling and BSA release. <i>Carbohydrate Polymers</i> , 2009 , 77, 217-222	10.3	28
57	Brazilian gutta-percha points. Part I: chemical composition and X-ray diffraction analysis. <i>Brazilian Oral Research</i> , 2005 , 19, 193-7	2.6	28
56	Polysaccharide fraction isolated from <i>Passiflora edulis</i> inhibits the inflammatory response and the oxidative stress in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2015 , 67, 1017-27	4.8	27

55	Composition and effect of salt on rheological and gelation properties of <i>Enterolobium contortisiliquum</i> gum exudate. <i>International Journal of Biological Macromolecules</i> , 2001 , 29, 35-44	7.9	27
54	Pickering emulsion stabilized by cashew gum- poly-l-lactide copolymer nanoparticles: Synthesis, characterization and amphotericin B encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 164, 201-209	6	24
53	Anticoagulant activity of a sulfated polysaccharide isolated from the green seaweed <i>Caulerpa cupressoides</i> . <i>Brazilian Archives of Biology and Technology</i> , 2011 , 54, 691-700	1.8	24
52	Acetylated cashew gum-based nanoparticles for the incorporation of alkaloid epiisopiloturine. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 965-972	7.9	24
51	The influence of thermal treatment and operational conditions on xanthan produced by <i>X. arboricola</i> pv <i>pruni</i> strain 106. <i>Carbohydrate Polymers</i> , 2009 , 75, 262-268	10.3	23
50	Polysaccharides isolated from <i>Digenea simplex</i> inhibit inflammatory and nociceptive responses. <i>Carbohydrate Polymers</i> , 2014 , 108, 17-25	10.3	21
49	Chitosan/ <i>Sterculia striata</i> polysaccharides nanocomplex as a potential chloroquine drug release device. <i>International Journal of Biological Macromolecules</i> , 2016 , 88, 244-53	7.9	21
48	Nanocapsules of <i>Sterculia striata</i> acetylated polysaccharide as a potential monomeric amphotericin B delivery matrix. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 655-663	7.9	19
47	Microwave-initiated rapid synthesis of phthalated cashew gum for drug delivery systems. <i>Carbohydrate Polymers</i> , 2021 , 254, 117226	10.3	19
46	Esferas (beads) de alginato como agente encapsulante de óleo de croton zehntneri Pax et Hoffm. <i>Polimeros</i> , 2010 , 20, 112-120	1.6	18
45	Degradation of trans-polyisoprene after root filling with thermoplasticized techniques. <i>International Endodontic Journal</i> , 2008 , 41, 296-302	5.4	18
44	Swelling and release kinetics of larvicide-containing chitosan/cashew gum beads. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 395-400	2.9	18
43	Polysaccharides derived from <i>Morinda citrifolia</i> Linn reduce inflammatory markers during experimental colitis. <i>Journal of Ethnopharmacology</i> , 2020 , 248, 112303	5	18
42	Matrix Effect on the Spray Drying Nanoencapsulation of <i>Lippia sidoides</i> Essential Oil in Chitosan-Native Gum Blends. <i>Planta Medica</i> , 2017 , 83, 392-397	3.1	17
41	Oxidized Cashew Gum Scaffolds for Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800574	3.9	17
40	Sulfated polysaccharide from the red algae <i>Gelidiella acerosa</i> : Anticoagulant, antiplatelet and antithrombotic effects. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 415-421	7.9	17
39	Polysaccharide-based nanoparticles formation by polyelectrolyte complexation of carboxymethylated cashew gum and chitosan. <i>Journal of Materials Science</i> , 2010 , 45, 5605-5610	4.3	17
38	Characterization of <i>Anadenanthera macrocarpa</i> exudate polysaccharide. <i>Polymer International</i> , 1997 , 44, 55-60	3.3	17

37	Protective effect of cashew gum nanoparticles on natural larvicide from <i>Moringa oleifera</i> seeds. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1778-1784	2.9	16
36	The potential of cashew gum functionalization as building blocks for layer-by-layer films. <i>Carbohydrate Polymers</i> , 2017 , 174, 849-857	10.3	16
35	Reacetylated chitosan/cashew gum gel: Preliminary study for potential utilization as drug release matrix. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 326-334	2.9	16
34	Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. <i>Carbohydrate Polymers</i> , 2020 , 241, 115260	10.3	16
33	Novel and Fast Microwave-Assisted Synthesis of Carbon Quantum Dots from Raw Cashew Gum. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	14
32	Effect of solvent on the adsorption behavior and on the surface properties of <i>Sterculia striata</i> polysaccharide. <i>Carbohydrate Polymers</i> , 2010 , 81, 284-290	10.3	14
31	Formation of cashew gum thin films onto silicon wafers or amino-terminated surfaces and the immobilization of Concanavalin A on them. <i>Carbohydrate Polymers</i> , 2007 , 69, 522-529	10.3	14
30	Effect of the oxidation level on the thermogravimetric kinetics of an oxidized galactoxyloglucan from <i>Hymenaea courbaril</i> (Jatobá) seeds. <i>Thermochimica Acta</i> , 2004 , 409, 41-47	2.9	14
29	Development of amphotericin B-loaded propionate <i>Sterculia striata</i> polysaccharide nanocarrier. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 1133-1141	7.9	14
28	Pickering emulsions stabilized with cashew gum nanoparticles as indomethacin carrier. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 534-540	7.9	13
27	Chemically sulfated galactomannan from <i>Dimorphandra gardneriana</i> seed: characterization and toxicity evaluation. <i>Carbohydrate Polymers</i> , 2014 , 101, 1013-7	10.3	13
26	In vivo aging of gutta-percha dental cone. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4082-4088	2.9	13
25	Properties of spray-dried fish oil with different carbohydrates as carriers. <i>Journal of Food Science and Technology</i> , 2017 , 54, 4181-4188	3.3	12
24	Degradation of trans-polyisoprene over time following the analysis of root fillings removed during conventional retreatment. <i>International Endodontic Journal</i> , 2007 , 40, 25-30	5.4	12
23	Self-assembling cashew gum-graft-poly lactide copolymer nanoparticles as a potential amphotericin B delivery matrix. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 492-502	7.9	11
22	Alginate/cashew gum floating bead as a matrix for larvicide release. <i>Materials Science and Engineering C</i> , 2012 , 32, 1421-7	8.3	11
21	Chitosan-based hydrogel for magnetic particle coating. <i>Reactive and Functional Polymers</i> , 2020 , 146, 104431	4.3	10
20	Structural characteristics are crucial to the benefits of guar gum in experimental osteoarthritis. <i>Carbohydrate Polymers</i> , 2016 , 150, 392-9	10.3	10

19	Chitosan/Angico Gum nanoparticles: Synthesis and characterization. <i>Materials Science and Engineering C</i> , 2009 , 29, 448-451	8.3	9
18	Polysaccharide based Copolymers as Supramolecular Systems in Biomedical Applications. <i>Current Drug Targets</i> , 2015 , 16, 1591-605	3	9
17	Poly(E-caprolactone) grafted cashew gum nanoparticles as an epirubicin delivery system. <i>International Journal of Biological Macromolecules</i> , 2021 , 179, 314-323	7.9	9
16	Chemical composition and thermal behavior of five brands of thermoplasticized gutta-percha. <i>European Journal of Dentistry</i> , 2013 , 7, 201-206	2.6	8
15	Synthesis and characterization of carboxymethylated red angico (<i>Anadenanthera macrocarpa</i>) exudate polysaccharide. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2985-2991	2.9	7
14	<i>Spondias purpurea</i> Exudate polysaccharide as affinity matrix for the isolation of a galactose-binding-lectin. <i>Carbohydrate Polymers</i> , 2007 , 70, 369-377	10.3	7
13	Anti-proliferative profile of <i>Anacardium occidentale</i> polysaccharide and characterization by AFM. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 981-987	7.9	6
12	Ozonation of Unstretched Natural Rubber: Part I. Effect of Film Thickness. <i>Rubber Chemistry and Technology</i> , 2001 , 74, 57-68	1.7	6
11	Influence of galactomannan molar mass on particle size galactomannan-grafted-poly-N-isopropylacrylamide copolymers. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 446-453	7.9	5
10	Effect of a crude sulfated polysaccharide from <i>Halymenia floresia</i> (Rhodophyta) on gastrointestinal smooth muscle contractility. <i>Brazilian Archives of Biology and Technology</i> , 2011 , 54, 907-916	1.8	5
9	Viscoelásticos oftálmicos: comparação entre os comerciais e formulações de galactomanana de <i>Dimorphandra gardneriana</i> . <i>Química Nova</i> , 2010 , 33, 1709-1713	1.6	5
8	Efeito da modificação química na solubilidade e intumescimento de microesferas base de goma do cajueiro carboximetilada e quitosana. <i>Polímeros</i> , 2015 , 25, 31-39	1.6	4
7	Structural features and inactivation of coagulation proteases of a sulfated polysaccharidic fraction from <i>Caulerpa cupressoides</i> var. <i>lycopodium</i> (Caulerpaceae, Chlorophyta) - doi: 10.4025/actascitechnol.v35i4.16709. <i>Acta Scientiarum - Technology</i> , 2013 , 35,	0.5	4
6	Poly(N-isopropylacrylamide)/galactomannan from <i>Delonix regia</i> seed thermal responsive graft copolymer via Schiff base reaction. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 144-154	7.9	3
5	Eco-friendly synthesis of an alkyl chitosan derivative. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1591-1598	7.9	1
4	Protective effect against gastric mucosa injury of a sulfated agaran from <i>Acanthophora spicifera</i> . <i>Carbohydrate Polymers</i> , 2021 , 261, 117829	10.3	1
3	Dual responsive dextran-graft-poly (N-isopropylacrylamide)/doxorubicin prodrug via Schiff base reaction. <i>International Journal of Biological Macromolecules</i> , 2021 , 185, 390-402	7.9	1
2	Eco-friendly synthesis of phthalate angico gum towards nanoparticles engineering using Quality by Design (QbD) approach. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 801-809	7.9	1

- 1 Thermal responsive poly-N-isopropylacrylamide/galactomannan copolymer nanoparticles as a potential amphotericin delivery carrier. *Carbohydrate Polymer Technologies and Applications*, **2021**, 2, 100126 1.7