Regina C M De Paula

List of Publications by Year in Descending Order

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	Poly(Ɛ-caprolactone) grafted cashew gum nanoparticles as an epirubicin delivery system. *International Journal of Biological Macromolecules*, **2021**, 179, 314-323	7.9	9
107	Protective effect against gastric mucosa injury of a sulfated agaran from Acanthophora spicifera. *Carbohydrate Polymers*, **2021**, 261, 117829	10.3	1
106	Microwave-initiated rapid synthesis of phthalated cashew gum for drug delivery systems. *Carbohydrate Polymers*, **2021**, 254, 117226	10.3	19
105	Poly(N-isopropylacrylamide)/galactomannan from Delonix regia seed thermal responsive graft copolymer via Schiff base reaction. *International Journal of Biological Macromolecules*, **2021**, 166, 144-154	7.9	3
104	Dual responsive dextran-graft-poly (N-isopropylacrylamide)/doxorubicin prodrug via Schiff base reaction. *International Journal of Biological Macromolecules*, **2021**, 185, 390-402	7.9	1
103	Eco-friendly synthesis of phthalate angico gum towards nanoparticles engineering using Quality by Design (QbD) approach. *International Journal of Biological Macromolecules*, **2021**, 190, 801-809	7.9	1
102	Thermal responsive poly-N-isopropylacrylamide/galactomannan copolymer nanoparticles as a potential amphotericin delivery carrier. *Carbohydrate Polymer Technologies and Applications*, **2021**, 2, 100126	1.7	
101	Sulfated polysaccharide from the red algae Gelidiella acerosa: Anticoagulant, antiplatelet and antithrombotic effects. *International Journal of Biological Macromolecules*, **2020**, 159, 415-421	7.9	17
100	Anti-proliferative profile of Anacardium occidentale polysaccharide and characterization by AFM. *International Journal of Biological Macromolecules*, **2020**, 156, 981-987	7.9	6
99	Self-assembling cashew gum-graft-polylactide copolymer nanoparticles as a potential amphotericin B delivery matrix. *International Journal of Biological Macromolecules*, **2020**, 152, 492-502	7.9	11
98	Influence of galactomannan molar mass on particle size galactomannan-grafted-poly-N-isopropylacrylamide copolymers. *International Journal of Biological Macromolecules*, **2020**, 156, 446-453	7.9	5
97	A new heterofunctional support for enzyme immobilization: PEI functionalized FeO MNPs activated with divinyl sulfone. Application in the immobilization of lipase from Thermomyces lanuginosus. *Enzyme and Microbial Technology*, **2020**, 138, 109560	3.8	39
96	Development of amphotericin B-loaded propionate Sterculia striata polysaccharide nanocarrier. *International Journal of Biological Macromolecules*, **2020**, 146, 1133-1141	7.9	14
95	Chitosan-based hydrogel for magnetic particle coating. *Reactive and Functional Polymers*, **2020**, 146, 104431	4.1	10
94	Eco-friendly synthesis of an alkyl chitosan derivative. *International Journal of Biological Macromolecules*, **2020**, 163, 1591-1598	7.9	1
93	Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. *Carbohydrate Polymers*, **2020**, 241, 115260	10.3	16
92	Polysaccharides derived from Morinda citrifolia Linn reduce inflammatory markers during experimental colitis. *Journal of Ethnopharmacology*, **2020**, 248, 112303	5	18

91	Oxidized Cashew Gum Scaffolds for Tissue Engineering. *Macromolecular Materials and Engineering*, **2019**, 304, 1800574	3.9	17
90	Pickering emulsions stabilized with cashew gum nanoparticles as indomethacin carrier. *International Journal of Biological Macromolecules*, **2019**, 132, 534-540	7.9	13
89	Nanocapsules of Sterculia striata acetylated polysaccharide as a potential monomeric amphotericin B delivery matrix. *International Journal of Biological Macromolecules*, **2019**, 130, 655-663	7.9	19
88	Acetylated cashew gum-based nanoparticles for the incorporation of alkaloid epiisopiloturine. *International Journal of Biological Macromolecules*, **2019**, 128, 965-972	7.9	24
87	A novel antioxidant sulfated polysaccharide from the algae Gracilaria caudata: In vitro and in vivo activities. *Food Hydrocolloids*, **2019**, 90, 28-34	10.6	44
86	Pickering emulsion stabilized by cashew gum- poly-l-lactide copolymer nanoparticles: Synthesis, characterization and amphotericin B encapsulation. *Colloids and Surfaces B: Biointerfaces*, **2018**, 164, 201-209	6	24
85	Chemical structure and anti-inflammatory effect of polysaccharide extracted from Morinda citrifolia Linn (Noni). *Carbohydrate Polymers*, **2018**, 197, 515-523	10.3	46
84	Hydrophobization of cashew gum by acetylation mechanism and amphotericin B encapsulation. *International Journal of Biological Macromolecules*, **2018**, 108, 523-530	7.9	31
83	Matrix Effect on the Spray Drying Nanoencapsulation of Lippia sidoides Essential Oil in Chitosan-Native Gum Blends. *Planta Medica*, **2017**, 83, 392-397	3.1	17
82	Properties of spray-dried fish oil with different carbohydrates as carriers. *Journal of Food Science and Technology*, **2017**, 54, 4181-4188	3.3	12
81	The potential of cashew gum functionalization as building blocks for layer-by-layer films. *Carbohydrate Polymers*, **2017**, 174, 849-857	10.3	16
80	Application of cashew tree gum on the production and stability of spray-dried fish oil. *Food Chemistry*, **2017**, 221, 1522-1529	8.5	41
79	Synthesis and characterization of non-toxic and thermo-sensitive poly(N-isopropylacrylamide)-grafted cashew gum nanoparticles as a potential epirubicin delivery matrix. *Carbohydrate Polymers*, **2016**, 154, 77-85	10.3	35
78	Cashew gum and inulin: New alternative for ginger essential oil microencapsulation. *Carbohydrate Polymers*, **2016**, 153, 133-142	10.3	61
77	Sulfated polysaccharide from the marine algae Hypnea musciformis inhibits TNBS-induced intestinal damage in rats. *Carbohydrate Polymers*, **2016**, 151, 957-964	10.3	34
76	Acetylated cashew gum-based nanoparticles for transdermal delivery of diclofenac diethyl amine. *Carbohydrate Polymers*, **2016**, 143, 254-61	10.3	38
75	Sulfated polysaccharide fraction from marine algae Solieria filiformis: Structural characterization, gastroprotective and antioxidant effects. *Carbohydrate Polymers*, **2016**, 152, 140-148	10.3	41
74	Structural characteristics are crucial to the benefits of guar gum in experimental osteoarthritis. *Carbohydrate Polymers*, **2016**, 150, 392-9	10.3	10

73	Chitosan/Sterculia striata polysaccharides nanocomplex as a potential chloroquine drug release device. *International Journal of Biological Macromolecules*, **2016**, 88, 244-53	7.9	21
72	Novel and Fast Microwave-Assisted Synthesis of Carbon Quantum Dots from Raw Cashew Gum. *Journal of the Brazilian Chemical Society*, **2015**,	1.5	14
71	Polysaccharide fraction isolated from Passiflora edulis inhibits the inflammatory response and the oxidative stress in mice. *Journal of Pharmacy and Pharmacology*, **2015**, 67, 1017-27	4.8	27
70	Self-assembled nanoparticles of acetylated cashew gum: characterization and evaluation as potential drug carrier. *Carbohydrate Polymers*, **2015**, 117, 610-615	10.3	61
69	Efeito da modificação química na solubilidade e intumescimento de microesferas à base de goma do cajueiro carboximetilada e quitosana. *Polimeros*, **2015**, 25, 31-39	1.6	4
68	Polysaccharide based Copolymers as Supramolecular Systems in Biomedical Applications. *Current Drug Targets*, **2015**, 16, 1591-605	3	9
67	Polysaccharide isolated from Agardhiella ramosissima: chemical structure and anti-inflammation activity. *Carbohydrate Polymers*, **2014**, 99, 59-67	10.3	34
66	Chemically sulfated galactomannan from Dimorphandra gardneriana seed: characterization and toxicity evaluation. *Carbohydrate Polymers*, **2014**, 101, 1013-7	10.3	13
65	Characterisation of partially hydrolysed galactomannan from Caesalpinia pulcherrima seeds as a potential dietary fibre. *Food Hydrocolloids*, **2014**, 35, 512-521	10.6	53
64	Alginate/cashew gum nanoparticles for essential oil encapsulation. *Colloids and Surfaces B: Biointerfaces*, **2014**, 113, 146-51	6	145
63	Polysaccharides isolated from Digenea simplex inhibit inflammatory and nociceptive responses. *Carbohydrate Polymers*, **2014**, 108, 17-25	10.3	21
62	Banana (Musa sp. cv. Pacovan) Pseudostem Fibers are Composed of Varying Lignocellulosic Composition throughout the Diameter. *BioResources*, **2014**, 9,	1.3	29
61	Structural characterization of polysaccharide obtained from red seaweed Gracilaria caudata (J Agardh). *Carbohydrate Polymers*, **2013**, 92, 598-603	10.3	87
60	Sulfated chitosan as tear substitute with no antimicrobial activity. *Carbohydrate Polymers*, **2013**, 91, 92-9	10.3	47
59	Structural features and inactivation of coagulation proteases of a sulfated polysaccharidic fraction from Caulerpa cupressoides var. lycopodium (Caulerpaceae, Chlorophyta) - doi: 10.4025/actascitechnol.v35i4.16709. *Acta Scientiarum - Technology*, **2013**, 35,	0.5	4
58	Chemical composition and thermal behavior of five brands of thermoplasticized gutta-percha. *European Journal of Dentistry*, **2013**, 7, 201-206	2.6	8
57	Protective effect of cashew gum nanoparticles on natural larvicide from Moringa oleifera seeds. *Journal of Applied Polymer Science*, **2012**, 124, 1778-1784	2.9	16
56	Alginate/cashew gum floating bead as a matrix for larvicide release. *Materials Science and Engineering C*, **2012**, 32, 1421-7	8.3	11

55	Contribution of the cashew gum (Anacardium occidentale L.) for development of layer-by-layer films with potential application in nanobiomedical devices. *Materials Science and Engineering C*, **2012**, 32, 1588-93	8.3	35
54	Chitosan/cashew gum nanogels for essential oil encapsulation. *Carbohydrate Polymers*, **2012**, 89, 1277-82	10.3	158
53	Antimicrobial effect of a crude sulfated polysaccharide from the red seaweed Gracilaria ornata. *Brazilian Archives of Biology and Technology*, **2012**, 55, 171-181	1.8	55
52	Polysaccharide isolated from Passiflora edulis: Characterization and antitumor properties. *Carbohydrate Polymers*, **2012**, 87, 139-145	10.3	41
51	Pectin from Passiflora edulis shows anti-inflammatory action as well as hypoglycemic and hypotriglyceridemic properties in diabetic rats. *Journal of Medicinal Food*, **2011**, 14, 1118-26	2.8	39
50	Effect of a crude sulfated polysaccharide from Halymenia floresia (Rhodophyta) on gastrointestinal smooth muscle contractility. *Brazilian Archives of Biology and Technology*, **2011**, 54, 907-916	1.8	5
49	Anticoagulant activity of a sulfated polysaccharide isolated from the green seaweed Caulerpa cupressoides. *Brazilian Archives of Biology and Technology*, **2011**, 54, 691-700	1.8	24
48	Preparation and characterization of a chemically sulfated cashew gum polysaccharide. *Journal of the Brazilian Chemical Society*, **2011**, 22, 1953-1960	1.5	29
47	Effects of a sulfated polysaccharide isolated from the red seaweed Solieria filiformis on models of nociception and inflammation. *Carbohydrate Polymers*, **2011**, 86, 1207-1215	10.3	62
46	Preparation and characterization of chitosan/cashew gum beads loaded with Lippia sidoides essential oil. *Materials Science and Engineering C*, **2011**, 31, 173-178	8.3	84
45	Esferas (beads) de alginato como agente encapsulante de óleo de croton zehntneri Pax et Hoffm. *Polimeros*, **2010**, 20, 112-120	1.6	18
44	Viscoelásticos oftálmicos: comparação entre os comerciais e formulações de galactomanana de Dimorphandra gardneriana. *Quimica Nova*, **2010**, 33, 1709-1713	1.6	5
43	Lippia sidoides essential oil encapsulation by angico gum/chitosan nanoparticles. *Journal of the Brazilian Chemical Society*, **2010**, 21, 2359-2366	1.5	40
42	Effect of solvent on the adsorption behavior and on the surface properties of Sterculia striata polysaccharide. *Carbohydrate Polymers*, **2010**, 81, 284-290	10.3	14
41	Polysaccharide-based nanoparticles formation by polyeletrolyte complexation of carboxymethylated cashew gum and chitosan. *Journal of Materials Science*, **2010**, 45, 5605-5610	4.3	17
40	Polissacarídeos da biodiversidade brasileira: uma oportunidade de transformar conhecimento em valor econômico. *Quimica Nova*, **2009**, 32, 649-660	1.6	33
39	Isolation and characterization of galactomannan from Dimorphandra gardneriana Tul. seeds as a potential guar gum substitute. *Food Hydrocolloids*, **2009**, 23, 880-885	10.6	59
38	Chitosan-coated pectin beads: Characterization and in vitro release of mangiferin. *Food Hydrocolloids*, **2009**, 23, 2278-2286	10.6	37

37	Synthesis and characterization of cashew gum/acrylic acid nanoparticles. *Materials Science and Engineering C*, **2009**, 29, 437-441	8.3	39
36	Chitosan/Angico gum nanoparticles: Synthesis and characterization. *Materials Science and Engineering C*, **2009**, 29, 448-451	8.3	9
35	The influence of thermal treatment and operational conditions on xanthan produced by X. arboricola pv pruni strain 106. *Carbohydrate Polymers*, **2009**, 75, 262-268	10.3	23
34	Microspheres of chitosan/carboxymethyl cashew gum (CH/CMCG): Effect of chitosan molar mass and CMCG degree of substitution on the swelling and BSA release. *Carbohydrate Polymers*, **2009**, 77, 217-222	10.3	28
33	Degradation of trans-polyisoprene after root filling with thermoplasticized techniques. *International Endodontic Journal*, **2008**, 41, 296-302	5.4	18
32	Structural characterization of cold extracted fraction of soluble sulfated polysaccharide from red seaweed Gracilaria birdiae. *Carbohydrate Polymers*, **2008**, 71, 559-565	10.3	130
31	Oxidation of cashew tree gum exudate polysaccharide with TEMPO reagent. *Journal of the Brazilian Chemical Society*, **2007**, 18, 85-92	1.5	31
30	Synthesis and characterization of carboxymethylated red angico (Anadenanthera macrocarpa) exudate polysaccharide. *Journal of Applied Polymer Science*, **2007**, 103, 2985-2991	2.9	7
29	Formation of cashew gum thin films onto silicon wafers or amino-terminated surfaces and the immobilization of Concanavalin A on them. *Carbohydrate Polymers*, **2007**, 69, 522-529	10.3	14
28	Spondias purpurea Exudate polysaccharide as affinity matrix for the isolation of a galactose-binding-lectin. *Carbohydrate Polymers*, **2007**, 70, 369-377	10.3	7
27	Extraction and physicochemical characterization of Sargassum vulgare alginate from Brazil. *Carbohydrate Research*, **2007**, 342, 2067-74	2.9	110
26	Graft copolymerisation of acrylamide onto cashew gum. *European Polymer Journal*, **2007**, 43, 2620-2629	5.2	133
25	Degradation of trans-polyisoprene over time following the analysis of root fillings removed during conventional retreatment. *International Endodontic Journal*, **2007**, 40, 25-30	5.4	12
24	Purification of guar gum for biological applications. *International Journal of Biological Macromolecules*, **2007**, 41, 324-31	7.9	61
23	Reacetylated chitosan/cashew gum gel: Preliminary study for potential utilization as drug release matrix. *Journal of Applied Polymer Science*, **2006**, 99, 326-334	2.9	16
22	In vivo aging of gutta-percha dental cone. *Journal of Applied Polymer Science*, **2006**, 100, 4082-4088	2.9	13
21	Swelling and release kinetics of larvicide-containing chitosan/cashew gum beads. *Journal of Applied Polymer Science*, **2006**, 102, 395-400	2.9	18
20	Characterization of crosslinked cashew gum derivatives. *Carbohydrate Polymers*, **2006**, 66, 16-26	10.3	53

19	Low viscosity hydrogel of guar gum: preparation and physicochemical characterization. *International Journal of Biological Macromolecules*, **2005**, 37, 99-104	7.9	65
18	Chitosan/carboxymethyl cashew gum polyelectrolyte complex: synthesis and thermal stability. *European Polymer Journal*, **2005**, 41, 2726-2733	5.2	57
17	Dynamic rheological study of Sterculia striata and karaya polysaccharides in aqueous solution. *Food Hydrocolloids*, **2005**, 19, 861-867	10.6	66
16	Brazilian gutta-percha points. Part I: chemical composition and X-ray diffraction analysis. *Brazilian Oral Research*, **2005**, 19, 193-7	2.6	28
15	Effect of the oxidation level on the thermogravimetric kinetics of an oxidized galactoxyloglucan from Hymenaea courbaril (Jatobá) seeds. *Thermochimica Acta*, **2004**, 409, 41-47	2.9	14
14	Amylose contents, rheological properties and gelatinization kinetics of yam (Dioscorea alata) and cassava (Manihot utilissima) starches. *Carbohydrate Polymers*, **2004**, 55, 3-8	10.3	90
13	Sterculia striata exudate polysaccharide: characterization, rheological properties and comparison with Sterculia urens (karaya) polysaccharide. *Polymer International*, **2004**, 53, 1025-1032	3.3	53
12	3-Benzoxazol-2-yl-7-(N,N-diethylamino)-chromen-2-one as a fluorescence probe for the investigation of micellar microenvironments. *Journal of Photochemistry and Photobiology A: Chemistry*, **2004**, 165, 109-114	4.7	31
11	Carboxymethylation of cashew tree exudate polysaccharide. *Carbohydrate Polymers*, **2004**, 58, 163-171	10.3	121
10	Effect of mono and divalent salts on gelation of native, Na and deacetylated Sterculia striata and Sterculia urens polysaccharide gels. *Carbohydrate Polymers*, **2003**, 54, 229-236	10.3	48
9	Chemical and X-ray analyses of five brands of dental gutta-percha cone. *International Endodontic Journal*, **2003**, 36, 302-7	5.4	48
8	Isolation and characterization of soluble sulfated polysaccharide from the red seaweed Gracilaria cornea. *Carbohydrate Polymers*, **2002**, 49, 491-498	10.3	216
7	Swelling studies of chitosan/cashew nut gum physical gels. *Carbohydrate Polymers*, **2002**, 48, 313-318	10.3	32
6	Composition and rheological properties of Albizia lebbeck gum exudate. *Carbohydrate Polymers*, **2001**, 44, 133-139	10.3	62
5	Ozonation of Unstretched Natural Rubber: Part I. Effect of Film Thickness. *Rubber Chemistry and Technology*, **2001**, 74, 57-68	1.7	6
4	Composition and effect of salt on rheological and gelation properties of Enterolobium contortisilliquum gum exudate. *International Journal of Biological Macromolecules*, **2001**, 29, 35-44	7.9	27
3	Characterization of Anacardium occidentale exudate polysaccharide. *Polymer International*, **1998**, 45, 27-35	3.3	138
2	Characterization of Anadenanthera macrocarpa exudate polysaccharide. *Polymer International*, **1997**, 44, 55-60	3.3	17

1	Composition and rheological properties of cashew tree gum, the exudate polysaccharide from Anacardium occidentale L. *Carbohydrate Polymers*, **1995**, 26, 177-181	10.3	136