# Regina C M De Paula

List of Publications by Year
in descending order



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|---|---|---|---|
| 110 papers | 5,197 citations | 66315 42 h-index | 98753 67 g-index |
| 111 all docs | 111 docs citations | 111 times ranked | 5368 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Isolation and characterization of soluble sulfated polysaccharide from the red seaweed Gracilaria cornea. Carbohydrate Polymers, 2002, 49, 491-498. | 5.1 | 258 |
| 2 | Chitosan/cashew gum nanogels for essential oil encapsulation. Carbohydrate Polymers, 2012, 89, 1277-1282. | 5.1 | 197 |
| 3 | Alginate/cashew gum nanoparticles for essential oil encapsulation. Colloids and Surfaces B: Biointerfaces, 2014, 113, 146-151. | 2.5 | 182 |
| 4 | Composition and rheological properties of cashew tree gum, the exudate polysaccharide from Anacardium occidentale L. Carbohydrate Polymers, 1995, 26, 177-181. | 5.1 | 159 |
| 5 | Structural characterization of cold extracted fraction of soluble sulfated polysaccharide from red seaweed Gracilaria birdiae. Carbohydrate Polymers, 2008, 71, 559-565. | 5.1 | 158 |
| 6 | Characterization ofAnacardiumoccidentale exudate polysaccharide. Polymer International, 1998, 45, 27-35. | 1.6 | 154 |
| 7 | Extraction and physicochemical characterization of Sargassum vulgare alginate from Brazil. Carbohydrate Research, 2007, 342, 2067-2074. | 1.1 | 152 |
| 8 | Graft copolymerisation of acrylamide onto cashew gum. European Polymer Journal, 2007, 43, 2620-2629. | 2.6 | 150 |
| 9 | Carboxymethylation of cashew tree exudate polysaccharide. Carbohydrate Polymers, 2004, 58, 163-171. | 5.1 | 144 |
| 10 | Structural characterization of polysaccharide obtained from red seaweed Gracilaria caudata (J) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 | 5.1 | 111 |
| 11 | Amylose contents, rheological properties and gelatinization kinetics of yam (Dioscorea alata) and cassava (Manihot utilissima) starches. Carbohydrate Polymers, 2004, 55, 3-8. | 5.1 | 104 |
| 12 | Preparation and characterization of chitosan/cashew gum beads loaded with Lippia sidoides essential oil. Materials Science and Engineering C, 2011, 31, 173-178. | 3.8 | 102 |
| 13 | Low viscosity hydrogel of guar gum: Preparation and physicochemical characterization. International Journal of Biological Macromolecules, 2005, 37, 99-104. | 3.6 | 86 |
| 14 | Self-assembled nanoparticles of acetylated cashew gum: Characterization and evaluation as potential drug carrier. Carbohydrate Polymers, 2015, 117, 610-615. | 5.1 | 85 |
| 15 | Cashew gum and inulin: New alternative for ginger essential oil microencapsulation. Carbohydrate Polymers, 2016, 153, 133-142. | 5.1 | 85 |
| 16 | Effects of a sulfated polysaccharide isolated from the red seaweed Solieria filiformis on models of nociception and inflammation. Carbohydrate Polymers, 2011, 86, 1207-1215. | 5.1 | 81 |
| 17 | Antimicrobial effect of a crude sulfated polysaccharide from the red seaweed Gracilaria ornata. Brazilian Archives of Biology and Technology, 2012, 55, 171-181. | 0.5 | 78 |
| 18 | A new heterofunctional support for enzyme immobilization: PEI functionalized Fe3O4 MNPs activated with divinyl sulfone. Application in the immobilization of lipase from Thermomyces lanuginosus. Enzyme and Microbial Technology, 2020, 138, 109560. | 1.6 | 76 |

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|---|---|---|---|
| 19 | Dynamic rheological study of Sterculia striata and karaya polysaccharides in aqueous solution. Food Hydrocolloids, 2005, 19, 861-867. | 5.6 | 75 |
| 20 | Composition and rheological properties of Albizia lebbeck gum exudate. Carbohydrate Polymers, 2001, 44, 133-139. | 5.1 | 73 |
| 21 | Purification of guar gum for biological applications. International Journal of Biological Macromolecules, 2007, 41, 324-331. | 3.6 | 73 |
| 22 | Chemical structure and anti-inflammatory effect of polysaccharide extracted from Morinda citrifolia Linn (Noni). Carbohydrate Polymers, 2018, 197, 515-523. | 5.1 | 69 |
| 23 | Sterculia striata exudate polysaccharide: characterization, rheological properties and comparison withSterculia urens(karaya) polysaccharide. Polymer International, 2004, 53, 1025-1032. | 1.6 | 68 |
| 24 | Isolation and characterization of galactomannan from Dimorphandra gardneriana Tul. seeds as a potential guar gum substitute. Food Hydrocolloids, 2009, 23, 880-885. | 5.6 | 68 |
| 25 | A novel antioxidant sulfated polysaccharide from the algae Gracilaria caudata: In vitro and in vivo activities. Food Hydrocolloids, 2019, 90, 28-34. | 5.6 | 65 |
| 26 | Chitosan/carboxymethyl cashew gum polyelectrolyte complex: synthesis and thermal stability. European Polymer Journal, 2005, 41, 2726-2733. | 2.6 | 64 |
| 27 | Characterisation of partially hydrolysed galactomannan from Caesalpinia pulcherrima seeds as a potential dietary fibre. Food Hydrocolloids, 2014, 35, 512-521. | 5.6 | 64 |
| 28 | Sulfated chitosan as tear substitute with no antimicrobial activity. Carbohydrate Polymers, 2013, 91, 92-99. | 5.1 | 63 |
| 29 | Chemical and X-ray analyses of five brands of dental gutta-percha cone. International Endodontic Journal, 2003, 36, 302-307. | 2.3 | 61 |
| 30 | Characterization of crosslinked cashew gum derivatives. Carbohydrate Polymers, 2006, 66, 16-26. | 5.1 | 60 |
| 31 | Pectin fromPassiflora edulisShows Anti-inflammatory Action as well as Hypoglycemic and Hypotriglyceridemic Properties in Diabetic Rats. Journal of Medicinal Food, 2011, 14, 1118-1126. | 0.8 | 57 |
| 32 | Sulfated polysaccharide fraction from marine algae Solieria filiformis : Structural characterization, gastroprotective and antioxidant effects. Carbohydrate Polymers, 2016, 152, 140-148. | 5.1 | 57 |
| 33 | 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. | 5.1 | 54 |
| 34 | Application of cashew tree gum on the production and stability of spray-dried fish oil. Food Chemistry, 2017, 221, 1522-1529. | 4.2 | 54 |
| 35 | Acetylated cashew gum-based nanoparticles for transdermal delivery of diclofenac diethyl amine. Carbohydrate Polymers, 2016, 143, 254-261. | 5.1 | 53 |
| 36 | PolissacarÃ‰deos da biodiversidade brasileira: uma oportunidade de transformar conhecimento em valor econÃ´mico. Quimica Nova, 2009, 32, 649-660. | 0.3 | 51 |

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| 37 | Lippia sidoides essential oil encapsulation by angico gum/chitosan nanoparticles. Journal of the Brazilian Chemical Society, 2010, 21, 2359-2366. | 0.6 | 51 |
| 38 | Polysaccharide isolated from Passiflora edulis: Characterization and antitumor properties. Carbohydrate Polymers, 2012, 87, 139-145. | 5.1 | 47 |
| 39 | Hydrophobization of cashew gum by acetylation mechanism and amphotericin B encapsulation. International Journal of Biological Macromolecules, 2018, 108, 523-530. | 3.6 | 47 |
| 40 | Chitosan-coated pectin beads: Characterization and in vitro release of mangiferin. Food Hydrocolloids, 2009, 23, 2278-2286. | 5.6 | 44 |
| 41 | Synthesis and characterization of cashew gum/acrylic acid nanoparticles. Materials Science and Engineering C, 2009, 29, 437-441. | 3.8 | 44 |
| 42 | Sulfated polysaccharide from the marine algae Hypnea musciformis inhibits TNBS-induced intestinal damage in rats. Carbohydrate Polymers, 2016, 151, 957-964. | 5.1 | 44 |
| 43 | Polysaccharide isolated from Agardhiella ramosissima: Chemical structure and anti-inflammation activity. Carbohydrate Polymers, 2014, 99, 59-67. | 5.1 | 43 |
| 44 | Banana (Musa sp. cv. Pacovan) Pseudostem Fibers are Composed of Varying Lignocellulosic Composition throughout the Diameter. BioResources, 2014, 9, . | 0.5 | 41 |
| 45 | 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, 1588-1593. | 3.8 | 40 |
| 46 | Synthesis and characterization of non-toxic and thermo-sensitive poly( N) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (-isopropylacryla Carbohydrate Polymers, 2016, 154, 77-85. | 5.1 | 40 |
| 47 | Oxidation of cashew tree gum exudate polysaccharide with TEMPO reagent. Journal of the Brazilian Chemical Society, 2007, 18, 85-92. | 0.6 | 38 |
| 48 | Polysaccharides derived from Morinda citrifolia Linn reduce inflammatory markers during experimental colitis. Journal of Ethnopharmacology, 2020, 248, 112303. | 2.0 | 38 |
| 49 | Brazilian gutta-percha points: Part I: chemical composition and X-ray diffraction analysis. Brazilian Oral Research, 2005, 19, 193-197. | 0.6 | 37 |
| 50 | Sulfated polysaccharide from the red algae Gelidiella acerosa: Anticoagulant, antiplatelet and antithrombotic effects. International Journal of Biological Macromolecules, 2020, 159, 415-421. | 3.6 | 37 |
| 51 | Swelling studies of chitosan/cashew nut gum physical gels. Carbohydrate Polymers, 2002, 48, 313-318. | 5.1 | 36 |
| 52 | Polysaccharide fraction isolated from P assiflora edulis inhibits the inflammatory response and the oxidative stress in mice. Journal of Pharmacy and Pharmacology, 2015, 67, 1017-1027. | 1.2 | 36 |
| 53 | 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. | 2.5 | 36 |
| 54 | Preparation and characterization of a chemically sulfated cashew gum polysaccharide. Journal of the Brazilian Chemical Society, 2011, 22, 1953-1960. | 0.6 | 35 |

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| 55 | 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. | 5.1 | 33 |
| 56 | Composition and effect of salt on rheological and gelation properties of Enterolobium contortisilliquum gum exudate. International Journal of Biological Macromolecules, 2001, 29, 35-44. | 3.6 | 32 |
| 57 | 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. | 2.0 | 32 |
| 58 | Novel and Fast Microwave-Assisted Synthesis of Carbon Quantum Dots from Raw Cashew Gum. Journal of the Brazilian Chemical Society, 2015, , . | 0.6 | 31 |
| 59 | Chitosan/Sterculia striata polysaccharides nanocomplex as a potential chloroquine drug release device. International Journal of Biological Macromolecules, 2016, 88, 244-253. | 3.6 | 31 |
| 60 | Acetylated cashew gum-based nanoparticles for the incorporation of alkaloid epiisopiloturine. International Journal of Biological Macromolecules, 2019, 128, 965-972. | 3.6 | 31 |
| 61 | Anticoagulant activity of a sulfated polysaccharide isolated from the green seaweed Caulerpa cupressoides. Brazilian Archives of Biology and Technology, 2011, 54, 691-700. | 0.5 | 30 |
| 62 | Microwave-initiated rapid synthesis of phthalated cashew gum for drug delivery systems. Carbohydrate Polymers, 2021, 254, 117226. | 5.1 | 30 |
| 63 | Nanocapsules of Sterculia striata acetylated polysaccharide as a potential monomeric amphotericin B delivery matrix. International Journal of Biological Macromolecules, 2019, 130, 655-663. | 3.6 | 28 |
| 64 | Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. Carbohydrate Polymers, 2020, 241, 115260. | 5.1 | 27 |
| 65 | The influence of thermal treatment and operational conditions on xanthan produced by X. arboricola pv pruni strain 106. Carbohydrate Polymers, 2009, 75, 262-268. | 5.1 | 26 |
| 66 | Development of amphotericin B-loaded propionate Sterculia striata polysaccharide nanocarrier. International Journal of Biological Macromolecules, 2020, 146, 1133-1141. | 3.6 | 25 |
| 67 | Polysaccharides isolated from Digenea simplex inhibit inflammatory and nociceptive responses. Carbohydrate Polymers, 2014, 108, 17-25. | 5.1 | 24 |
| 68 | Esferas (beads) de alginato como agente encapsulante de Ã³leo de croton zehntneri Pax et Hoffm. Polimeros, 2010, 20, 112-120. | 0.2 | 23 |
| 69 | Oxidized Cashew Gum Scaffolds for Tissue Engineering. Macromolecular Materials and Engineering, 2019, 304, 1800574. | 1.7 | 23 |
| 70 | Protective effect of cashew gum nanoparticles on natural larvicide from Moringa oleifera seeds. Journal of Applied Polymer Science, 2012, 124, 1778-1784. | 1.3 | 21 |
| 71 | Pickering emulsions stabilized with cashew gum nanoparticles as indomethacin carrier. International Journal of Biological Macromolecules, 2019, 132, 534-540. | 3.6 | 21 |
| 72 | Self-assembling cashew gum-graft-polylactide copolymer nanoparticles as a potential amphotericin B delivery matrix. International Journal of Biological Macromolecules, 2020, 152, 492-502. | 3.6 | 21 |

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| 73 | Degradation of transâ€polyisoprene after root filling with thermoplasticized techniques. International Endodontic Journal, 2008, 41, 296-302. | 2.3 | 20 |
| 74 | Polysaccharide-based nanoparticles formation by polyeletrolyte complexation of carboxymethylated cashew gum and chitosan. Journal of Materials Science, 2010, 45, 5605-5610. | 1.7 | 20 |
| 75 | Matrix Effect on the Spray Drying Nanoencapsulation of Lippia sidoides Essential Oil in Chitosan-Native Gum Blends. Planta Medica, 2017, 83, 392-397. | 0.7 | 20 |
| 76 | Characterization ofAnadenanthera macrocarpa exudate polysaccharide. Polymer International, 1997, 44, 55-60. | 1.6 | 19 |
| 77 | Reacetylated chitosan/cashew gum gel: Preliminary study for potential utilization as drug release matrix. Journal of Applied Polymer Science, 2006, 99, 326-334. | 1.3 | 19 |
| 78 | Swelling and release kinetics of larvicide-containing chitosan/cashew gum beads. Journal of Applied Polymer Science, 2006, 102, 395-400. | 1.3 | 19 |
| 79 | The potential of cashew gum functionalization as building blocks for layer-by-layer films. Carbohydrate Polymers, 2017, 174, 849-857. | 5.1 | 19 |
| 80 | Alginate/cashew gum floating bead as a matrix for larvicide release. Materials Science and Engineering C, 2012, 32, 1421-1427. | 3.8 | 18 |
| 81 | Chitosan-based hydrogel for magnetic particle coating. Reactive and Functional Polymers, 2020, 146, 104431. | 2.0 | 18 |
| 82 | Structural characteristics are crucial to the benefits of guar gum in experimental osteoarthritis. Carbohydrate Polymers, 2016, 150, 392-399. | 5.1 | 17 |
| 83 | Properties of spray-dried fish oil with different carbohydrates as carriers. Journal of Food Science and Technology, 2017, 54, 4181-4188. | 1.4 | 17 |
| 84 | In vivo aging of gutta-percha dental cone. Journal of Applied Polymer Science, 2006, 100, 4082-4088. | 1.3 | 16 |
| 85 | 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. | 5.1 | 16 |
| 86 | Eco-friendly synthesis of an alkyl chitosan derivative. International Journal of Biological Macromolecules, 2020, 163, 1591-1598. | 3.6 | 16 |
| 87 | Poly(Îµ-caprolactone) grafted cashew gum nanoparticles as an epirubicin delivery system. International Journal of Biological Macromolecules, 2021, 179, 314-323. | 3.6 | 16 |
| 88 | Effect of the oxidation level on the thermogravimetric kinetics of an oxidized galactoxyloglucan from Hymenaea courbaril (JatobÃ¡) seeds. Thermochimica Acta, 2004, 409, 41-47. | 1.2 | 15 |
| 89 | Effect of solvent on the adsorption behavior and on the surface properties of Sterculia striata polysaccharide. Carbohydrate Polymers, 2010, 81, 284-290. | 5.1 | 15 |
| 90 | Chemically sulfated galactomannan from Dimorphandra gardneriana seed: Characterization and toxicity evaluation. Carbohydrate Polymers, 2014, 101, 1013-1017. | 5.1 | 15 |

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|---|---|---|---|
| 91 | 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, . | 0.4 | 14 |
| 92 | Degradation of trans-polyisoprene over time following the analysis of root fillings removed during conventional retreatment. International Endodontic Journal, 2007, 40, 25-30. | 2.3 | 13 |
| 93 | Chitosan/â€œangicoâ€•gum nanoparticles: Synthesis and characterization. Materials Science and Engineering C, 2009, 29, 448-451. | 3.8 | 12 |
| 94 | Chemical composition and thermal behavior of five brands of thermoplasticized gutta-percha. European Journal of Dentistry, 2013, 07, 201-206. | 0.8 | 12 |
| 95 | Anti-proliferative profile of Anacardium occidentale polysaccharide and characterization by AFM. International Journal of Biological Macromolecules, 2020, 156, 981-987. | 3.6 | 12 |
| 96 | Dual responsive dextran-graft-poly (N-isopropylacrylamide)/doxorubicin prodrug via Schiff base reaction. International Journal of Biological Macromolecules, 2021, 185, 390-402. | 3.6 | 11 |
| 97 | Spondias purpurea Exudate polysaccharide as affinity matrix for the isolation of a galactose-binding-lectin. Carbohydrate Polymers, 2007, 70, 369-377. | 5.1 | 10 |
| 98 | 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. | 0.5 | 10 |
| 99 | Influence of galactomannan molar mass on particle size galactomannan-grafted-poly-N-isopropylacrylamide copolymers. International Journal of Biological Macromolecules, 2020, 156, 446-453. | 3.6 | 10 |
| 100 | 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. | 3.6 | 10 |
| 101 | Synthesis and characterization of carboxymethylated red angico (Anadenanthera macrocarpa) exudate polysaccharide. Journal of Applied Polymer Science, 2007, 103, 2985-2991. | 1.3 | 9 |
| 102 | Polysaccharide based Copolymers as Supramolecular Systems in Biomedical Applications. Current Drug Targets, 2015, 16, 1591-1605. | 1.0 | 9 |
| 103 | Ozonation of Unstretched Natural Rubber: Part I. Effect of Film Thickness. Rubber Chemistry and Technology, 2001, 74, 57-68. | 0.6 | 8 |
| 104 | Protective effect against gastric mucosa injury of a sulfated agaran from Acanthophora spicifera. Carbohydrate Polymers, 2021, 261, 117829. | 5.1 | 8 |
| 105 | ViscoelÃ¡sticos oftÃ¡lmicos: comparaÃ§Ã£o entre os comerciais e formulaÃ§Ãµes de galactomanana de Dimorphandra gardneriana. Quimica Nova, 2010, 33, 1709-1713. | 0.3 | 6 |
| 106 | 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. | 3.6 | 5 |
| 107 | Efeito da modificaÃ§Ã£o quÃmica na solubilidade e intumescimento de microesferas Ã base de goma do cajueiro carboximetilada e quitosana. Polimeros, 2015, 25, 31-39. | 0.2 | 4 |
| 108 | Thermal responsive poly-N-isopropylacrylamide/galactomannan copolymer nanoparticles as a potential amphotericin delivery carrier. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100126. | 1.6 | 4 |

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| 109 | Induction of defense in apples by sulfated and deacetylated chichÃ¡ gum. Polimeros, 2021, 31, . | 0.2 | 0 |
| 110 | Study of the effect of solvent on acetylate cashew gum-based nanoparticles properties and antimicrobial activity. Revista Materia, 2020, 25, . | 0.1 | 0 |