

Maria Eugênia Rabello Duarte

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76
papers

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26
h-index

49
g-index

77
ext. papers

2,770
ext. citations

5
avg, IF

4.74
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 76 | Methylcellulose, a Cellulose Derivative with Original Physical Properties and Extended Applications. <i>Polymers</i> , 2015 , 7, 777-803 | 4.5 | 237 |
| 75 | Structural studies on fucoidans from the brown seaweed <i>Sargassum stenophyllum</i> . <i>Carbohydrate Research</i> , 2001 , 333, 281-93 | 2.9 | 229 |
| 74 | The antiviral activity of sulfated polysaccharides against dengue virus is dependent on virus serotype and host cell. <i>Antiviral Research</i> , 2005 , 66, 103-10 | 10.8 | 216 |
| 73 | Anti-herpes simplex virus activity of sulfated galactans from the red seaweeds <i>Gymnogongrus griffithsiae</i> and <i>Cryptonemia crenulata</i> . <i>International Journal of Biological Macromolecules</i> , 2004 , 34, 63-71 | 7.9 | 166 |
| 72 | Chemical structure and antiviral activity of carrageenans from <i>Meristiella gelidium</i> against herpes simplex and dengue virus. <i>Carbohydrate Polymers</i> , 2006 , 63, 459-465 | 10.3 | 107 |
| 71 | Chemical structure and antiviral activity of the sulfated heterorhamnan isolated from the green seaweed <i>Gayralia oxysperma</i> . <i>Carbohydrate Research</i> , 2008 , 343, 3085-95 | 2.9 | 95 |
| 70 | Inhibitory effect of sulfated galactans from the marine alga <i>Bostrychia montagnei</i> on herpes simplex virus replication in vitro. <i>Phytomedicine</i> , 2001 , 8, 53-8 | 6.5 | 89 |
| 69 | The structure of the agaran sulfate from <i>Acanthophora spicifera</i> (Rhodomelaceae, Ceramiales) and its antiviral activity. Relation between structure and antiviral activity in agarans. <i>Carbohydrate Research</i> , 2004 , 339, 335-47 | 2.9 | 88 |
| 68 | Effects of sulfated polysaccharide and alcoholic extracts from green seaweed <i>Ulva fasciata</i> on anthracnose severity and growth of common bean (<i>Phaseolus vulgaris</i> L.). <i>Journal of Plant Diseases and Protection</i> , 2009 , 116, 263-270 | 1.5 | 77 |
| 67 | Brown algae overproduce cell wall polysaccharides as a protection mechanism against the heavy metal toxicity. <i>Marine Pollution Bulletin</i> , 2010 , 60, 1482-8 | 6.7 | 71 |
| 66 | NMR and rheological study of <i>Aloe barbadensis</i> partially acetylated glucomannan. <i>Carbohydrate Polymers</i> , 2013 , 94, 511-9 | 10.3 | 57 |
| 65 | Differential inhibition of dengue virus infection in mammalian and mosquito cells by iota-carrageenan. <i>Journal of General Virology</i> , 2011 , 92, 1332-1342 | 4.9 | 55 |
| 64 | Selective sulfation of carrageenans and the influence of sulfate regiochemistry on anticoagulant properties. <i>Carbohydrate Polymers</i> , 2013 , 91, 483-91 | 10.3 | 54 |
| 63 | An algal-derived DL-galactan hybrid is an efficient preventing agent for in vitro dengue virus infection. <i>Planta Medica</i> , 2007 , 73, 1464-8 | 3.1 | 52 |
| 62 | Effects of iota-carrageenan on the rheological properties of starches. <i>Carbohydrate Polymers</i> , 2006 , 65, 49-57 | 10.3 | 44 |
| 61 | Alkali modification of carrageenans. Part V. The iota- ν hybrid carrageenan from and its cyclization to iota-carrageenan. <i>Carbohydrate Polymers</i> , 2004 , 58, 455-460 | 10.3 | 43 |
| 60 | Sulfated and pyruvylated disaccharide alditols obtained from a red seaweed galactan: ESIMS and NMR approaches. <i>Carbohydrate Research</i> , 2002 , 337, 2443-53 | 2.9 | 42 |

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| 59 | Chemical structure of the complex pyruvylated and sulfated agaran from the red seaweed <i>Palisada flagellifera</i> (Ceramiales, Rhodophyta). <i>Carbohydrate Research</i> , 2012 , 347, 83-94 | 2.9 | 39 |
| 58 | ESI-MS differential fragmentation of positional isomers of sulfated oligosaccharides derived from carrageenans and agarans. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1404-16 | 3.5 | 38 |
| 57 | The structure of a galactan sulfate from the red seaweed <i>Bostrychia montagnei</i> . <i>Carbohydrate Research</i> , 2002 , 337, 1137-44 | 2.9 | 35 |
| 56 | Sulfated heterorhamnans from the green seaweed <i>Gayralia oxysperma</i> : partial depolymerization, chemical structure and antitumor activity. <i>Carbohydrate Polymers</i> , 2015 , 117, 476-485 | 10.3 | 34 |
| 55 | Dihydropyridine C-glycoconjugates by organocatalytic Hantzsch cyclocondensation. Stereoselective synthesis of alpha-threofuranose C-nucleoside enantiomers. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1980-6 | 3.9 | 34 |
| 54 | Complete ¹ H and ¹³ C NMR assignment of digeneaside, a low-molecular-mass carbohydrate produced by red seaweeds. <i>Carbohydrate Research</i> , 2006 , 341, 677-82 | 2.9 | 34 |
| 53 | Alkali modification of carrageenans. Part IV. Porphyrans as model compounds. <i>Carbohydrate Polymers</i> , 2000 , 42, 301-305 | 10.3 | 32 |
| 52 | Sulfated xylomannans isolated from red seaweeds <i>Chondrophycus papillosus</i> and <i>C. flagelliferus</i> (Ceramiales) from Brazil. <i>Carbohydrate Research</i> , 2007 , 342, 2766-75 | 2.9 | 29 |
| 51 | Ulvans induce resistance against plant pathogenic fungi independently of their sulfation degree. <i>Carbohydrate Polymers</i> , 2015 , 133, 384-90 | 10.3 | 28 |
| 50 | Structure and anti-metapneumovirus activity of sulfated galactans from the red seaweed <i>Cryptonemia seminervis</i> . <i>Carbohydrate Polymers</i> , 2014 , 101, 313-23 | 10.3 | 26 |
| 49 | Effects of carboxyl group on the anticoagulant activity of oxidized carrageenans. <i>Carbohydrate Polymers</i> , 2019 , 214, 286-293 | 10.3 | 25 |
| 48 | Positional isomers of sulfated oligosaccharides obtained from agarans and carrageenans: preparation and capillary electrophoresis separation. <i>Carbohydrate Research</i> , 2005 , 340, 2123-34 | 2.9 | 25 |
| 47 | Modification of ulvans via periodate-chlorite oxidation: Chemical characterization and anticoagulant activity. <i>Carbohydrate Polymers</i> , 2018 , 197, 631-640 | 10.3 | 23 |
| 46 | The system of galactans from <i>Cryptonemia crenulata</i> (Halymeniaceae, Halymeniales) and the structure of two major fractions. Kinetic studies on the alkaline cyclization of the unusual diad G2S-->D(L)6S. <i>Carbohydrate Research</i> , 2005 , 340, 711-22 | 2.9 | 22 |
| 45 | Photodynamic effect of meso-(aryl)porphyrins and meso-(1-methyl-4-pyridinium)porphyrins on HaCaT keratinocytes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 156-161 | 2.9 | 19 |
| 44 | Interfacial Properties of Methylcelluloses: The Influence of Molar Mass. <i>Polymers</i> , 2014 , 6, 2961-2973 | 4.5 | 19 |
| 43 | Production of agaro- and carra-oligosaccharides by partial acid hydrolysis of galactans. <i>Revista Brasileira De Farmacognosia</i> , 2011 , 21, 296-304 | 2 | 19 |
| 42 | Galactans from <i>Cryptonemia</i> species. Part II: studies on the system of galactans of <i>Cryptonemia seminervis</i> (Halymeniales) and on the structure of major fractions. <i>Carbohydrate Research</i> , 2009 , 344, 2364-74 | 2.9 | 18 |

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| 41 | Production of carbohydrate building blocks from red seaweed polysaccharides. Efficient conversion of galactans into C-glycosyl aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 576-88 | 3.9 | 18 |
| 40 | Polysaccharides from the red seaweed <i>Bostrychia montagnei</i> : chemical characterization. <i>Journal of Applied Phycology</i> , 1999 , 11, 35-40 | 3.2 | 17 |
| 39 | ED-(1->4), ED-(1->3) Mixed linkage Tylans from red seaweeds of the order Nemaliales and Palmariales. <i>Carbohydrate Research</i> , 2011 , 346, 1023-8 | 2.9 | 16 |
| 38 | Biomass production and harvesting of <i>Desmodesmus subspicatus</i> cultivated in flat plate photobioreactor using chitosan as flocculant agent. <i>Journal of Applied Phycology</i> , 2019 , 31, 857-866 | 3.2 | 15 |
| 37 | Synthesis of porphyrin glycoconjugates bearing thiourea, thiocarbamate and carbamate connecting groups: Influence of the linker on chemical and photophysical properties. <i>Dyes and Pigments</i> , 2014 , 107, 69-80 | 4.6 | 15 |
| 36 | In vitro photodynamic inactivation of conidia of the phytopathogenic fungus <i>Colletotrichum graminicola</i> with cationic porphyrins. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 673-81 | 4.2 | 14 |
| 35 | Synthesis of meso-tetraarylporphyrins using SeO ₂ as oxidant. <i>Tetrahedron Letters</i> , 2011 , 52, 1441-1443 | 2 | 12 |
| 34 | Semisynthesis of long-chain alkyl ether derivatives of sulfated oligosaccharides via dibutylstannylene acetal intermediates. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9896-904 | 4.2 | 12 |
| 33 | Low-molecular-mass carbohydrates and soluble polysaccharides of green and red morphs of <i>Gracilaria domingensis</i> (Gracilariales, Rhodophyta). <i>Botanica Marina</i> , 2007 , 50, | 1.8 | 11 |
| 32 | Conformational analysis of ulvans from <i>Ulva fasciata</i> and their anticoagulant polycarboxylic derivatives. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 599-608 | 7.9 | 10 |
| 31 | Influence of Molar Mass and Concentration on the Thermogelation of Methylcelluloses. <i>International Journal of Polymer Analysis and Characterization</i> , 2015 , 20, 110-118 | 1.7 | 10 |
| 30 | Effects of different culture media on physiological features and laboratory scale production cost of. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 27, e00508 | 5.3 | 10 |
| 29 | Media effects on laboratory scale production costs of <i>Haematococcus pluvialis</i> biomass. <i>Bioresource Technology Reports</i> , 2019 , 7, 100236 | 4.1 | 9 |
| 28 | Investigation of anti-inflammatory and anti-proliferative activities promoted by photoactivated cationic porphyrin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015 , 12, 444-58 | 3.5 | 9 |
| 27 | Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry analysis of oligosaccharides and oligosaccharide alditols obtained by hydrolysis of agaroses and carrageenans, two important types of red seaweed polysaccharides. <i>Carbohydrate Research</i> , 2010 , 345, 275-83 | 2.9 | 9 |
| 26 | Semi-synthesis of a 3-O-sulfated red seaweed galactan-derived disaccharide alditol. <i>Carbohydrate Research</i> , 2006 , 341, 1753-7 | 2.9 | 9 |
| 25 | Protective Effect of the Sulfated Agarans Isolated from the Red Seaweed <i>Laurencia aldingensis</i> Against Toxic Effects of the Venom of the Snake, <i>Lachesis muta</i> . <i>Marine Biotechnology</i> , 2016 , 18, 619-629 | 3.4 | 8 |
| 24 | Sulfated Galactan from <i>Palisada flagellifera</i> Inhibits Toxic Effects of <i>Lachesis muta</i> Snake Venom. <i>Marine Drugs</i> , 2015 , 13, 3761-75 | 6 | 7 |

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| 23 | Homogeneous guluronic and mannuronic acid blocks in the alginate of the brown seaweed <i>Laminaria brasiliensis</i> . <i>Phytochemistry</i> , 1991 , 30, 1707-1708 | 4 | 7 |
| 22 | Acid heteropolysaccharides with potent antileishmanial effects. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 165-70 | 7.9 | 6 |
| 21 | Non-Cytotoxic Sulfated Heterorhamnan from <i>Gayralia brasiliensis</i> Green Seaweed Reduces Driver Features of Melanoma Metastatic Progression. <i>Marine Biotechnology</i> , 2020 , 22, 194-206 | 3.4 | 5 |
| 20 | Synthesis of peracetylated C-1-deoxyalditol- and C-glycoside-dipyrranes via dithioacetal derivatives. <i>Tetrahedron Letters</i> , 2013 , 54, 1137-1140 | 2 | 5 |
| 19 | Chemical structure and snake antivenom properties of sulfated agarans obtained from <i>Laurencia dendroidea</i> (Ceramiales, Rhodophyta). <i>Carbohydrate Polymers</i> , 2019 , 218, 136-144 | 10.3 | 4 |
| 18 | Synthesis of pyridinium salts from N-substituted dihydropyridines with BF ₃ OEt ₂ in the absence of added oxidants. <i>Tetrahedron Letters</i> , 2015 , 56, 2001-2004 | 2 | 4 |
| 17 | Aqueous semisynthesis of -glycoside glycamines from agarose. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1222-1229 | 2.5 | 4 |
| 16 | Modified soybean meal polysaccharide with high adhesion capacity to <i>Salmonella</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 1074-1084 | 7.9 | 4 |
| 15 | Regioselective synthesis of long-chain ethers and their sulfates derived from methyl beta-D-galactopyranoside and derivatives via dibutylstannylene acetal intermediates. <i>Carbohydrate Research</i> , 2005 , 340, 2245-50 | 2.9 | 4 |
| 14 | Rice vinasse treatment by immobilized <i>Synechococcus pevalekii</i> and its effect on <i>Dunaliella salina</i> cultivation. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 1477-1490 | 3.7 | 4 |
| 13 | Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (L.) and Parsley (L.). <i>Plants</i> , 2021 , 10, | 4.5 | 4 |
| 12 | Complexation of vanadium(V) oxyanions with hexopyranose- and mannopyranoseuronic acid-containing polysaccharides: stereochemical considerations. <i>Carbohydrate Research</i> , 2004 , 339, 771-5.9 | 5.9 | 3 |
| 11 | Advances in microalgal cell wall polysaccharides: a review focused on structure, production, and biological application. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-16 | 9.4 | 3 |
| 10 | Plant growth biostimulant activity of the green microalga <i>Desmodesmus subspicatus</i> . <i>Algal Research</i> , 2021 , 59, 102434 | 5 | 3 |
| 9 | Marine Microalgae Biomolecules and Their Adhesion Capacity to <i>Salmonella enterica</i> sv. Typhimurium. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2239 | 2.6 | 2 |
| 8 | Semi-synthesis of N-alkyl-kappa-carrageenan derivatives and evaluation of their antibacterial activity. <i>Carbohydrate Research</i> , 2021 , 499, 108234 | 2.9 | 2 |
| 7 | Potential Utilization of a Polysaccharide from the Marine Algae, as an Antivenom for Viperidae Snakebites. <i>Marine Drugs</i> , 2018 , 16, | 6 | 2 |
| 6 | Semi-synthesis of hybrid ulvan-kappa-carrabiose polysaccharides and evaluation of their cytotoxic and anticoagulant effects. <i>Carbohydrate Polymers</i> , 2021 , 267, 118161 | 10.3 | 2 |

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| 5 | Synthesis and photophysical evaluation of meso-phenyl-1,4-dihydropyridine and pyridine-porphyrin hybrids. <i>Chemistry of Heterocyclic Compounds</i> , 2021 , 57, 1195-1203 | 1.4 | 1 |
| 4 | Chemical structure of native and modified sulfated heterorhamnans from the green seaweed <i>Gayralia brasiliensis</i> and their cytotoxic effect on U87MG human glioma cells. <i>International Journal of Biological Macromolecules</i> , 2021 , 187, 710-721 | 7.9 | 1 |
| 3 | Synthesis of C6-amino agarose and evaluation of its antibacterial activity. <i>Carbohydrate Research</i> , 2021 , 507, 108387 | 2.9 | 0 |
| 2 | Challenges and Recent Progress in Seaweed Polysaccharides for Industrial Purposes 2022 , 411-431 | | 0 |
| 1 | Thermal stability and degradation of meso-tetraphenylporphyrins bearing nitrogen-containing substituents. <i>Journal of Thermal Analysis and Calorimetry</i> , 1 | 4.1 | |