

Maria Eug^ãnia Rabello Duarte

List of Publications by Year in descending order

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75
papers

3,094
citations

172207

29
h-index

161609

54
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77
all docs

77
docs citations

77
times ranked

3502
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylcellulose, a Cellulose Derivative with Original Physical Properties and Extended Applications. <i>Polymers</i> , 2015, 7, 777-803.	2.0	345
2	Structural studies on fucoidans from the brown seaweed <i>Sargassum stenophyllum</i> . <i>Carbohydrate Research</i> , 2001, 333, 281-293.	1.1	266
3	The antiviral activity of sulfated polysaccharides against dengue virus is dependent on virus serotype and host cell. <i>Antiviral Research</i> , 2005, 66, 103-110.	1.9	236
4	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.	3.6	196
5	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.	5.1	123
6	Chemical structure and antiviral activity of the sulfated heterorhamnan isolated from the green seaweed <i>Gayralia oxysperma</i> . <i>Carbohydrate Research</i> , 2008, 343, 3085-3095.	1.1	107
7	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.	1.6	104
8	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, 53-58.	2.3	94
9	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, 335-347.	1.1	92
10	Brown algae overproduce cell wall polysaccharides as a protection mechanism against the heavy metal toxicity. <i>Marine Pollution Bulletin</i> , 2010, 60, 1482-1488.	2.3	92
11	NMR and rheological study of <i>Aloe barbadensis</i> partially acetylated glucomannan. <i>Carbohydrate Polymers</i> , 2013, 94, 511-519.	5.1	79
12	Selective sulfation of carrageenans and the influence of sulfate regiochemistry on anticoagulant properties. <i>Carbohydrate Polymers</i> , 2013, 91, 483-491.	5.1	66
13	Differential inhibition of dengue virus infection in mammalian and mosquito cells by iota-carrageenan. <i>Journal of General Virology</i> , 2011, 92, 1332-1342.	1.3	63
14	An Algal-Derived DL-Galactan Hybrid is an Efficient Preventing Agent for in vitro Dengue Virus Infection. <i>Planta Medica</i> , 2007, 73, 1464-1468.	0.7	54
15	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.	1.1	52
16	Sulfated and pyruvylated disaccharide alditols obtained from a red seaweed galactan: ESIMS and NMR approaches. <i>Carbohydrate Research</i> , 2002, 337, 2443-2453.	1.1	51
17	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.	5.1	46
18	Effects of iota-carrageenan on the rheological properties of starches. <i>Carbohydrate Polymers</i> , 2006, 65, 49-57.	5.1	45

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19	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, 1404-1416.	1.2	44
20	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.	5.1	42
21	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, 677-682.	1.1	38
22	Alkali modification of carrageenans. Part IV. Porphyrans as model compounds. <i>Carbohydrate Polymers</i> , 2000, 42, 301-305.	5.1	37
23	Dihydropyridine C-glycoconjugates by organocatalytic Hantzsch cyclocondensation. Stereoselective synthesis of 1±-threofuranose C-nucleoside enantiomers. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1980.	1.5	37
24	Ulvans induce resistance against plant pathogenic fungi independently of their sulfation degree. <i>Carbohydrate Polymers</i> , 2015, 133, 384-390.	5.1	37
25	Effects of carboxyl group on the anticoagulant activity of oxidized carrageenans. <i>Carbohydrate Polymers</i> , 2019, 214, 286-293.	5.1	37
26	The structure of a galactan sulfate from the red seaweed <i>Bostrychia montagnei</i> . <i>Carbohydrate Research</i> , 2002, 337, 1137-1144.	1.1	36
27	Structure and anti-metapneumovirus activity of sulfated galactans from the red seaweed <i>Cryptonemia seminervis</i> . <i>Carbohydrate Polymers</i> , 2014, 101, 313-323.	5.1	34
28	Modification of ulvans via periodate-chlorite oxidation: Chemical characterization and anticoagulant activity. <i>Carbohydrate Polymers</i> , 2018, 197, 631-640.	5.1	32
29	Sulfated xylomannans isolated from red seaweeds <i>Chondrophycus papillosus</i> and <i>C. flagelliferus</i> (Ceramiales) from Brazil. <i>Carbohydrate Research</i> , 2007, 342, 2766-2775.	1.1	30
30	Positional isomers of sulfated oligosaccharides obtained from agarans and carrageenans: preparation and capillary electrophoresis separation. <i>Carbohydrate Research</i> , 2005, 340, 2123-2134.	1.1	29
31	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 G2Sα'D(L)6S. <i>Carbohydrate Research</i> , 2005, 340, 711-722.	1.1	27
32	β ² -d-(1→4), β ² -d-(1→3) α-mixed linkage xylans from red seaweeds of the order Nemaliales and Palmariales. <i>Carbohydrate Research</i> , 2011, 346, 1023-1028.	1.1	25
33	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.	1.0	25
34	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.	1.5	24
35	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, 2364-2374.	1.1	23
36	Interfacial Properties of Methylcelluloses: The Influence of Molar Mass. <i>Polymers</i> , 2014, 6, 2961-2973.	2.0	23

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37	Effects of different culture media on physiological features and laboratory scale production cost of <i>Dunaliella salina</i> . <i>Biotechnology Reports</i> (Amsterdam, Netherlands), 2020, 27, e00508.	2.1	22
38	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, 576-588.	1.5	20
39	Production of agaro- and carra-oligosaccharides by partial acid hydrolysis of galactans. <i>Revista Brasileira De Farmacognosia</i> , 2011, 21, 296-304.	0.6	20
40	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, 673-681.	1.6	19
41	Polysaccharides from the red seaweed <i>Bostrychia montagnei</i> : chemical characterization. <i>Journal of Applied Phycology</i> , 1999, 11, 35-40.	1.5	18
42	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.	2.0	18
43	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.	3.6	18
44	Plant growth biostimulant activity of the green microalga <i>Desmodesmus subspicatus</i> . <i>Algal Research</i> , 2021, 59, 102434.	2.4	18
45	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, 314-317.	0.6	17
46	Influence of Molar Mass and Concentration on the Thermogelation of Methylcelluloses. <i>International Journal of Polymer Analysis and Characterization</i> , 2015, 20, 110-118.	0.9	15
47	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, 275-283.	1.1	14
48	Semisynthesis of Long-Chain Alkyl Ether Derivatives of Sulfated Oligosaccharides via Dibutylstannylene Acetal Intermediates. <i>Journal of Organic Chemistry</i> , 2007, 72, 9896-9904.	1.7	13
49	Synthesis of meso-tetraarylporphyrins using SeO ₂ as oxidant. <i>Tetrahedron Letters</i> , 2011, 52, 1441-1443.	0.7	13
50	Investigation of anti-inflammatory and anti-proliferative activities promoted by photoactivated cationic porphyrin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 444-458.	1.3	13
51	Media effects on laboratory scale production costs of <i>Haematococcus pluvialis</i> biomass. <i>Bioresource Technology Reports</i> , 2019, 7, 100236.	1.5	13
52	<i>Ulva intestinalis</i> Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (<i>Ocimum basilicum</i> L.) and Parsley (<i>Petroselinum crispum</i> L.). <i>Plants</i> , 2021, 10, 1391.	1.6	12
53	Protective Effect of the Sulfated Agaran 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.	1.1	10
54	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.	1.1	10

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55	Homogeneous guluronic and mannuronic acid blocks in the alginate of the brown seaweed <i>Laminaria brasiliensis</i> . <i>Phytochemistry</i> , 1991, 30, 1707-1708.	1.4	9
56	Semi-synthesis of a 3-O-sulfated red seaweed galactan-derived disaccharide alditol. <i>Carbohydrate Research</i> , 2006, 341, 1753-1757.	1.1	9
57	Semi-synthesis of N-alkyl-kappa-carrageenan derivatives and evaluation of their antibacterial activity. <i>Carbohydrate Research</i> , 2021, 499, 108234.	1.1	9
58	Advances in microalgal cell wall polysaccharides: a review focused on structure, production, and biological application. <i>Critical Reviews in Biotechnology</i> , 2021, , 1-16.	5.1	9
59	Sulfated Galactan from <i>Palisada flagellifera</i> Inhibits Toxic Effects of <i>Lachesis muta</i> Snake Venom. <i>Marine Drugs</i> , 2015, 13, 3761-3775.	2.2	8
60	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.	1.7	8
61	Synthesis of peracetylated C-1-deoxyalditol- and C-glycoside-dipyrranes via dithioacetal derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 1137-1140.	0.7	7
62	Acid heteropolysaccharides with potent antileishmanial effects. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 165-170.	3.6	7
63	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.	5.1	7
64	Regioselective synthesis of long-chain ethers and their sulfates derived from methyl β -D-galactopyranoside and derivatives via dibutylstannylene acetal intermediates. <i>Carbohydrate Research</i> , 2005, 340, 2245-2250.	1.1	6
65	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.	0.7	5
66	Aqueous semisynthesis of C-glycoside glycamines from agarose. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1222-1229.	1.3	5
67	Potential Utilization of a Polysaccharide from the Marine Algae <i>Gayralia oxysperma</i> , as an Antivenom for Viperidae Snakebites. <i>Marine Drugs</i> , 2018, 16, 412.	2.2	5
68	Modified soybean meal polysaccharide with high adhesion capacity to <i>Salmonella</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 139, 1074-1084.	3.6	5
69	Marine Microalgae Biomolecules and Their Adhesion Capacity to <i>Salmonella enterica</i> sv. Typhimurium. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2239.	1.3	4
70	Synthesis of C6-amino agarose and evaluation of its antibacterial activity. <i>Carbohydrate Research</i> , 2021, 507, 108387.	1.1	4
71	Semi-synthesis of hybrid ulvan-kappa-carrabiose polysaccharides and evaluation of their cytotoxic and anticoagulant effects. <i>Carbohydrate Polymers</i> , 2021, 267, 118161.	5.1	4
72	Complexation of vanadium(V) oxyanions with hexopyranose- and mannopyranoseuronic acid-containing polysaccharides: stereochemical considerations. <i>Carbohydrate Research</i> , 2004, 339, 771-775.	1.1	3

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73	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.	3.6	3
74	Thermal stability and degradation of meso-tetraphenylporphyrins bearing nitrogen-containing substituents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6755-6764.	2.0	1
75	Synthesis and photophysical evaluation of meso-phenyl-1,4-dihydropyridine and pyridine-porphyrin hybrids. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 1195-1203.	0.6	1