Diogo Ricardo Bazan Ducatti

List of Publications by Year
in descending order

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36 papers	774 citations	471509 17 h-index	526287 27 g-index
38 all docs	38 docs citations	38 times ranked	1118 citing authors

#	Article	IF	Citations
1	Selective sulfation of carrageenans and the influence of sulfate regiochemistry on anticoagulant properties. Carbohydrate Polymers, 2013, 91, 483-491.	10.2	66
2	Agar from Gracilaria gracilis (Gracilariales, Rhodophyta) of the Patagonic coast of Argentina â€“ Content, structure and physical properties. Bioresource Technology, 2009, 100, 1435-1441.	9.6	63
3	Differential inhibition of dengue virus infection in mammalian and mosquito cells by iota-carrageenan. Journal of General Virology, 2011, 92, 1332-1342.	2.9	63
4	Chemical structure of the complex pyruvylated and sulfated agaran from the red seaweed Palisada flagellifera (Ceramiales, Rhodophyta). Carbohydrate Research, 2012, 347, 83-94.	2.3	52
5	Sulfated and pyruvylated disaccharide alditols obtained from a red seaweed galactan: ESIMS and NMR approaches. Carbohydrate Research, 2002, 337, 2443-2453.	2.3	51
6	ESI-MS differential fragmentation of positional isomers of sulfated oligosaccharides derived from carrageenans and agarans. Journal of the American Society for Mass Spectrometry, 2010, 21, 1404-1416.	2.8	44
7	Sulfated heterorhamnans from the green seaweed Gayralia oxysperma: partial depolymerization, chemical structure and antitumor activity. Carbohydrate Polymers, 2015, 117, 476-485.	10.2	42
8	Dihydropyridine C-glycoconjugates by organocatalytic Hantzsch cyclocondensation. Stereoselective synthesis of Î±-threofuranose C-nucleoside enantiomers. Organic and Biomolecular Chemistry, 2009, 7, 1980.	2.8	37
9	Effects of carboxyl group on the anticoagulant activity of oxidized carrageenans. Carbohydrate Polymers, 2019, 214, 286-293.	10.2	37
10	Modification of ulvans via periodate-chlorite oxidation: Chemical characterization and anticoagulant activity. Carbohydrate Polymers, 2018, 197, 631-640.	10.2	32
11	Positional isomers of sulfated oligosaccharides obtained from agarans and carrageenans: preparation and capillary electrophoresis separation. Carbohydrate Research, 2005, 340, 2123-2134.	2.3	29
12	Photodynamic effect of meso-(aryl)porphyrins and meso-(1-methyl-4-pyridinium)porphyrins on HaCaT keratinocytes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 156-161.	2.2	25
13	Galactans from Cryptonemia species. Part II: Studies on the system of galactans of Cryptonemia seminervis (Halymeniales) and on the structure of major fractions. Carbohydrate Research, 2009, 344, 2364-2374.	2.3	23
14	Production of carbohydrate building blocks from red seaweed polysaccharides. Efficient conversion of galactans into C-glycosyl aldehydes. Organic and Biomolecular Chemistry, 2009, 7, 576-588.	2.8	20
15	Production of agaro- and carra-oligosaccharides by partial acid hydrolysis of galactans. Revista Brasileira De Farmacognosia, 2011, 21, 296-304.	1.4	20
16	In vitro photodynamic inactivation of conidia of the phytopathogenic fungus Colletotrichum graminicola with cationic porphyrins. Photochemical and Photobiological Sciences, 2016, 15, 673-681.	2.9	19
17	Synthesis of porphyrin glycoconjugates bearing thiourea, thiocarbamate and carbamate connecting groups: Influence of the linker on chemical and photophysical properties. Dyes and Pigments, 2014, 107, 69-80.	3.7	18
18	Conformational analysis of ulvans from Ulva fasciata and their anticoagulant polycarboxylic derivatives. International Journal of Biological Macromolecules, 2020, 162, 599-608.	7.5	18

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19	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. Carbohydrate Research, 2010, 345, 275-283.	2.3	14
20	Synthesis of meso-tetraarylporphyrins using SeO2 as oxidant. Tetrahedron Letters, 2011, 52, 1441-1443.	1.4	13
21	Investigation of anti-inflammatory and anti-proliferative activities promoted by photoactivated cationic porphyrin. Photodiagnosis and Photodynamic Therapy, 2015, 12, 444-458.	2.6	13
22	On the phosphorylase activity of GH3 enzymes: A Î²-N-acetylglucosaminidase from Herbaspirillum seropedicae SmR1 and a glucosidase from Saccharopolyspora erythraea. Carbohydrate Research, 2016, 435, 106-112.	2.3	10
23	Semi-synthesis of N-alkyl-kappa-carrageenan derivatives and evaluation of their antibacterial activity. Carbohydrate Research, 2021, 499, 108234.	2.3	9
24	Monitoring of Îº-carrageenan depolymerization by capillary electrophoresis and semisynthesis of oligosaccharide alditols. Carbohydrate Polymers, 2019, 208, 152-160.	10.2	8
25	Synthesis of peracetylated C-1-deoxyalditol- and C-glycoside-dipyrranes via dithioacetal derivatives. Tetrahedron Letters, 2013, 54, 1137-1140.	1.4	7
26	Acid heteropolysaccharides with potent antileishmanial effects. International Journal of Biological Macromolecules, 2015, 81, 165-170.	7.5	7
27	Glucogalactan: A polysaccharide isolated from the cell-wall of Verticillium Lecanii. Carbohydrate Polymers, 2013, 98, 1353-1359.	10.2	5
28	Synthesis of pyridinium salts from N-substituted dihydropyridines with BF3OEt2 in the absence of added oxidants. Tetrahedron Letters, 2015, 56, 2001-2004.	1.4	5
29	Aqueous semisynthesis of C-glycoside glycamines from agarose. Beilstein Journal of Organic Chemistry, 2017, 13, 1222-1229.	2.2	5
30	Synthesis of C6-amino agarose and evaluation of its antibacterial activity. Carbohydrate Research, 2021, 507, 108387.	2.3	4
31	Semi-synthesis of hybrid ulvan-kappa-carrabiose polysaccharides and evaluation of their cytotoxic and anticoagulant effects. Carbohydrate Polymers, 2021, 267, 118161.	10.2	4
32	A new porphyrin as selective substrate-based inhibitor of breast cancer resistance protein (BCRP/ABCG2). Chemico-Biological Interactions, 2022, 351, 109718.	4.0	4
33	Chemical structure of native and modified sulfated heterorhamnans from the green seaweed Gayralia brasiliensis and their cytotoxic effect on U87MG human glioma cells. International Journal of Biological Macromolecules, 2021, 187, 710-721.	7.5	3
34	1,4-Dihydropyridine/BF3OEt2 for the reduction of imines: Influences of the amount of added BF3OEt2 and the substitution at N-1 and C-4 of the dihydropyridine ring. Tetrahedron Letters, 2019, 60, 151129.	1.4	2
35	Thermal stability and degradation of meso-tetraphenylporphyrins bearing nitrogen-containing substituents. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6755-6764.	3.6	1
36	Synthesis and photophysical evaluation of meso-phenyl-1,4-dihydropyridineand pyridine-porphyrin hybrids. Chemistry of Heterocyclic Compounds, 2021, 57, 1195-1203.	1.2	1