

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	Thermal stability and degradation of meso-tetraphenylporphyrins bearing nitrogen-containing substituents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6755-6764.	3.6	1
2	A new porphyrin as selective substrate-based inhibitor of breast cancer resistance protein (BCRP/ABCG2). <i>Chemico-Biological Interactions</i> , 2022, 351, 109718.	4.0	4
3	Semi-synthesis of N-alkyl-kappa-carrageenan derivatives and evaluation of their antibacterial activity. <i>Carbohydrate Research</i> , 2021, 499, 108234.	2.3	9
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.	7.5	3
5	Synthesis of C6-amino agarose and evaluation of its antibacterial activity. <i>Carbohydrate Research</i> , 2021, 507, 108387.	2.3	4
6	Semi-synthesis of hybrid ulvan-kappa-carrabiose polysaccharides and evaluation of their cytotoxic and anticoagulant effects. <i>Carbohydrate Polymers</i> , 2021, 267, 118161.	10.2	4
7	Synthesis and photophysical evaluation of meso-phenyl-1,4-dihydropyridine and pyridine-porphyrin hybrids. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 1195-1203.	1.2	1
8	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.	7.5	18
9	1,4-Dihydropyridine/BF ₃ OEt ₂ for the reduction of imines: Influences of the amount of added BF ₃ OEt ₂ and the substitution at N-1 and C-4 of the dihydropyridine ring. <i>Tetrahedron Letters</i> , 2019, 60, 151129.	1.4	2
10	Effects of carboxyl group on the anticoagulant activity of oxidized carrageenans. <i>Carbohydrate Polymers</i> , 2019, 214, 286-293.	10.2	37
11	Monitoring of $\hat{\text{I}}^{\text{e}}$ -carrageenan depolymerization by capillary electrophoresis and semisynthesis of oligosaccharide alditols. <i>Carbohydrate Polymers</i> , 2019, 208, 152-160.	10.2	8
12	Modification of ulvans via periodate-chlorite oxidation: Chemical characterization and anticoagulant activity. <i>Carbohydrate Polymers</i> , 2018, 197, 631-640.	10.2	32
13	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.	2.2	25
14	Aqueous semisynthesis of <i>C</i> -glycoside glycamines from agarose. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1222-1229.	2.2	5
15	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.	2.9	19
16	On the phosphorylase activity of GH3 enzymes: A $\hat{\text{I}}^{\text{2}}$ -N-acetylglucosaminidase from <i>Herbaspirillum seropedicae</i> SmR1 and a glucosidase from <i>Saccharopolyspora erythraea</i> . <i>Carbohydrate Research</i> , 2016, 435, 106-112.	2.3	10
17	Investigation of anti-inflammatory and anti-proliferative activities promoted by photoactivated cationic porphyrin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 444-458.	2.6	13
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.	1.4	5

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19	Acid heteropolysaccharides with potent antileishmanial effects. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 165-170.	7.5	7
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.	10.2	42
21	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.	3.7	18
22	Glucogalactan: A polysaccharide isolated from the cell-wall of <i>Verticillium Lecanii</i> . <i>Carbohydrate Polymers</i> , 2013, 98, 1353-1359.	10.2	5
23	Synthesis of peracetylated C-1-deoxyalditol- and C-glycoside-dipyrranes via dithioacetal derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 1137-1140.	1.4	7
24	Selective sulfation of carrageenans and the influence of sulfate regiochemistry on anticoagulant properties. <i>Carbohydrate Polymers</i> , 2013, 91, 483-491.	10.2	66
25	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.	2.3	52
26	Differential inhibition of dengue virus infection in mammalian and mosquito cells by iota-carrageenan. <i>Journal of General Virology</i> , 2011, 92, 1332-1342.	2.9	63
27	Production of agaro- and carra-oligosaccharides by partial acid hydrolysis of galactans. <i>Revista Brasileira De Farmacognosia</i> , 2011, 21, 296-304.	1.4	20
28	Synthesis of meso-tetraarylporphyrins using SeO ₂ as oxidant. <i>Tetrahedron Letters</i> , 2011, 52, 1441-1443.	1.4	13
29	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.	2.3	14
30	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.	2.8	44
31	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.	2.3	23
32	Agar from <i>Gracilaria gracilis</i> (Gracilariales, Rhodophyta) of the Patagonic coast of Argentina – Content, structure and physical properties. <i>Bioresource Technology</i> , 2009, 100, 1435-1441.	9.6	63
33	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.	2.8	20
34	Dihydropyridine C-glycoconjugates by organocatalytic Hantzsch cyclocondensation. Stereoselective synthesis of 1±-threofuranose C-nucleoside enantiomers. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1980.	2.8	37
35	Positional isomers of sulfated oligosaccharides obtained from agarans and carrageenans: preparation and capillary electrophoresis separation. <i>Carbohydrate Research</i> , 2005, 340, 2123-2134.	2.3	29
36	Sulfated and pyruvylated disaccharide alditols obtained from a red seaweed galactan: ESIMS and NMR approaches. <i>Carbohydrate Research</i> , 2002, 337, 2443-2453.	2.3	51