

Fhernanda Ribeiro Smiderle

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,536
citations

22
h-index

39
g-index

44
ext. papers

1,779
ext. citations

7.6
avg, IF

4.72
L-index

#	Paper	IF	Citations
43	Agaricus bisporus β (1 \rightarrow 6)-D-glucan induces M1 phenotype on macrophages and increases sensitivity to doxorubicin of triple negative breast cancer cells.. <i>Carbohydrate Polymers</i> , 2022 , 278, 118917	10.3	0
42	β Glucans from the giant mushroom Macrocybe titans: Chemical characterization and rheological properties. <i>Food Hydrocolloids</i> , 2021 , 125, 107392	10.6	4
41	Ganoderma lucidum polysaccharides inhibit in vitro tumorigenesis, cancer stem cell properties and epithelial-mesenchymal transition in oral squamous cell carcinoma.. <i>Journal of Ethnopharmacology</i> , 2021 , 286, 114891	5	0
40	Fungal beta-glucans as adjuvants for treating cancer patients - A systematic review of clinical trials. <i>Clinical Nutrition</i> , 2021 , 40, 3104-3113	5.9	15
39	Polysaccharides from Pleurotus eryngii: Selective extraction methodologies and their modulatory effects on THP-1 macrophages. <i>Carbohydrate Polymers</i> , 2021 , 252, 117177	10.3	11
38	Naturally methylated mannogalactans from the edible mushrooms Pholiota nameko and Pleurotus eryngii. <i>Journal of Food Composition and Analysis</i> , 2021 , 102, 103985	4.1	0
37	Isolation and comparison of β and β D-glucans from shiitake mushrooms (Lentinula edodes) with different biological activities. <i>Carbohydrate Polymers</i> , 2020 , 229, 115521	10.3	40
36	Screening of bioactive compounds in truffles and evaluation of pressurized liquid extractions (PLE) to obtain fractions with biological activities. <i>Food Research International</i> , 2020 , 132, 109054	7	20
35	Exopolysaccharides from Aspergillus terreus: Production, chemical elucidation and immunoactivity. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 654-664	7.9	9
34	Strengths and weaknesses of the aniline-blue method used to test mushroom (1 \rightarrow 3)- β D-glucans obtained by microwave-assisted extractions. <i>Carbohydrate Polymers</i> , 2019 , 217, 135-143	10.3	18
33	Testing the effect of combining innovative extraction technologies on the biological activities of obtained β glucan-enriched fractions from Lentinula edodes. <i>Journal of Functional Foods</i> , 2019 , 60, 103446	5.1	27
32	Gelling functional property, anti-inflammatory and antinociceptive bioactivities of β D-glucan from the edible mushroom Pholiota nameko. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1128-1135	7.9	18
31	Production of a β D-glucan-rich extract from Shiitake mushrooms (Lentinula edodes) by an extraction/microfiltration/reverse osmosis (nanofiltration) process. <i>Innovative Food Science and Emerging Technologies</i> , 2019 , 51, 80-90	6.8	16
30	Fucogalactan from the giant mushroom Macrocybe titans inhibits melanoma cells migration. <i>Carbohydrate Polymers</i> , 2018 , 190, 50-56	10.3	10
29	Chemical characterization and wound healing property of a β D-glucan from edible mushroom Piptoporus betulinus. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 1361-1366	7.9	10
28	Simple and effective purification approach to dissociate mixed water-insoluble β and β D-glucans and its application on the medicinal mushroom Fomitopsis betulina. <i>Carbohydrate Polymers</i> , 2018 , 200, 353-360	10.3	17
27	Yacon fructans (Smallanthus sonchifolius) extraction, characterization and activation of macrophages to phagocyte yeast cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 1074-1081	7.9	20

26	Vitamin D-enriched extracts obtained from shiitake mushrooms (<i>Lentinula edodes</i>) by supercritical fluid extraction and UV-irradiation. <i>Innovative Food Science and Emerging Technologies</i> , 2017 , 41, 330-336	6.8	28
25	Structural characterization and rheological properties of a gel-like β -D-glucan from <i>Pholiota nameko</i> . <i>Carbohydrate Polymers</i> , 2017 , 169, 1-8	10.3	20
24	Evaluation of microwave-assisted and pressurized liquid extractions to obtain β -D-glucans from mushrooms. <i>Carbohydrate Polymers</i> , 2017 , 156, 165-174	10.3	63
23	Water-Soluble Polysaccharide Extracts from the Oyster Culinary-Medicinal Mushroom <i>Pleurotus ostreatus</i> (Agaricomycetes) with HMGCR Inhibitory Activity. <i>International Journal of Medicinal Mushrooms</i> , 2017 , 19, 879-892	1.3	11
22	Mushroom heteropolysaccharides: A review on their sources, structure and biological effects. <i>Carbohydrate Polymers</i> , 2016 , 136, 358-75	10.3	105
21	Water-Soluble Compounds from <i>Lentinula edodes</i> Influencing the HMG-CoA Reductase Activity and the Expression of Genes Involved in the Cholesterol Metabolism. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1910-20	5.7	28
20	Natural Polysaccharides from Mushrooms: Antinociceptive and Anti-inflammatory Properties 2015 , 2151-2178	1	
19	D-glucans from edible mushrooms: a review on the extraction, purification and chemical characterization approaches. <i>Carbohydrate Polymers</i> , 2015 , 117, 753-761	10.3	129
18	Exopolysaccharide produced by <i>Pleurotus sajor-caju</i> : its chemical structure and anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 90-6	7.9	48
17	Glucuronoarabinoxylan from coconut palm gum exudate: chemical structure and gastroprotective effect. <i>Carbohydrate Polymers</i> , 2014 , 107, 65-71	10.3	17
16	Anti-inflammatory properties of the medicinal mushroom <i>Cordyceps militaris</i> might be related to its linear (1 \rightarrow 3)- β -D-glucan. <i>PLoS ONE</i> , 2014 , 9, e110266	3.7	56
15	Natural Polysaccharides from Mushrooms: Antinociceptive and Anti-inflammatory Properties 2014 , 1-25		
14	Structural characterization and anti-inflammatory activity of a linear β -D-glucan isolated from <i>Pleurotus sajor-caju</i> . <i>Carbohydrate Polymers</i> , 2014 , 113, 588-96	10.3	37
13	<i>Agaricus bisporus</i> and <i>Agaricus brasiliensis</i> (1 \rightarrow 6)- β -D-glucans show immunostimulatory activity on human THP-1 derived macrophages. <i>Carbohydrate Polymers</i> , 2013 , 94, 91-9	10.3	86
12	Isolation and chemical characterization of a glucogalactomannan of the medicinal mushroom <i>Cordyceps militaris</i> . <i>Carbohydrate Polymers</i> , 2013 , 97, 74-80	10.3	42
11	Antinociception of β -D-glucan from <i>Pleurotus pulmonarius</i> is possibly related to protein kinase C inhibition. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 872-7	7.9	35
10	Exopolysaccharides, proteins and lipids in <i>Pleurotus pulmonarius</i> submerged culture using different carbon sources. <i>Carbohydrate Polymers</i> , 2012 , 87, 368-376	10.3	54
9	Polysaccharides from <i>Agaricus bisporus</i> and <i>Agaricus brasiliensis</i> show similarities in their structures and their immunomodulatory effects on human monocytic THP-1 cells. <i>BMC Complementary and Alternative Medicine</i> , 2011 , 11, 58	4.7	76

8	High molecular weight glucan of the culinary medicinal mushroom <i>Agaricus bisporus</i> is an alpha-glucan that forms complexes with low molecular weight galactan. <i>Molecules</i> , 2010 , 15, 5818-30	4.8	31
7	Antinociceptive effects of (1->3),(1->6)-linked β glucan isolated from <i>Pleurotus pulmonarius</i> in models of acute and neuropathic pain in mice: evidence for a role for glutamatergic receptors and cytokine pathways. <i>Journal of Pain</i> , 2010 , 11, 965-71	5.2	22
6	Anti-inflammatory and analgesic properties in a rodent model of a (1->3),(1->6)-linked beta-glucan isolated from <i>Pleurotus pulmonarius</i> . <i>European Journal of Pharmacology</i> , 2008 , 597, 86-91	5.3	112
5	A 3-O-methylated mannogalactan from <i>Pleurotus pulmonarius</i> : structure and antinociceptive effect. <i>Phytochemistry</i> , 2008 , 69, 2731-6	4	64
4	Characterization of a heterogalactan: Some nutritional values of the edible mushroom <i>Flammulina velutipes</i> . <i>Food Chemistry</i> , 2008 , 108, 329-333	8.5	43
3	Structural characterization of a polysaccharide and a beta-glucan isolated from the edible mushroom <i>Flammulina velutipes</i> . <i>Phytochemistry</i> , 2006 , 67, 2189-96	4	83
2	Structure of two glucans and a galactofuranomannan from the lichen <i>Umbilicaria mammulata</i> . <i>Carbohydrate Polymers</i> , 2006 , 63, 13-18	10.3	28
1	A β glucan from the fruit bodies of edible mushrooms <i>Pleurotus eryngii</i> and <i>Pleurotus ostreatoroseus</i> . <i>Carbohydrate Polymers</i> , 2006 , 66, 252-257	10.3	82