

# Fhernanda Ribeiro Smiderle

## List of Publications by Citations

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43  
papers

1,536  
citations

22  
h-index

39  
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44  
ext. papers

1,779  
ext. citations

7.6  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
43	D-glucans from edible mushrooms: a review on the extraction, purification and chemical characterization approaches. <i>Carbohydrate Polymers</i> , <b>2015</b> , 117, 753-761	10.3	129
42	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> , <b>2008</b> , 597, 86-91	5.3	112
41	Mushroom heteropolysaccharides: A review on their sources, structure and biological effects. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 358-75	10.3	105
40	<i>Agaricus bisporus</i> and <i>Agaricus brasiliensis</i> (1→6)- $\beta$ -D-glucans show immunostimulatory activity on human THP-1 derived macrophages. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 91-9	10.3	86
39	Structural characterization of a polysaccharide and a beta-glucan isolated from the edible mushroom <i>Flammulina velutipes</i> . <i>Phytochemistry</i> , <b>2006</b> , 67, 2189-96	4	83
38	A $\beta$ -glucan from the fruit bodies of edible mushrooms <i>Pleurotus eryngii</i> and <i>Pleurotus ostreatoroseus</i> . <i>Carbohydrate Polymers</i> , <b>2006</b> , 66, 252-257	10.3	82
37	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> , <b>2011</b> , 11, 58	4.7	76
36	A 3-O-methylated mannogalactan from <i>Pleurotus pulmonarius</i> : structure and antinociceptive effect. <i>Phytochemistry</i> , <b>2008</b> , 69, 2731-6	4	64
35	Evaluation of microwave-assisted and pressurized liquid extractions to obtain $\beta$ -D-glucans from mushrooms. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 165-174	10.3	63
34	Anti-inflammatory properties of the medicinal mushroom <i>Cordyceps militaris</i> might be related to its linear (1→3)- $\beta$ -D-glucan. <i>PLoS ONE</i> , <b>2014</b> , 9, e110266	3.7	56
33	Exopolysaccharides, proteins and lipids in <i>Pleurotus pulmonarius</i> submerged culture using different carbon sources. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 368-376	10.3	54
32	Exopolysaccharide produced by <i>Pleurotus sajor-caju</i> : its chemical structure and anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 90-6	7.9	48
31	Characterization of a heterogalactan: Some nutritional values of the edible mushroom <i>Flammulina velutipes</i> . <i>Food Chemistry</i> , <b>2008</b> , 108, 329-333	8.5	43
30	Isolation and chemical characterization of a glucogalactomannan of the medicinal mushroom <i>Cordyceps militaris</i> . <i>Carbohydrate Polymers</i> , <b>2013</b> , 97, 74-80	10.3	42
29	Isolation and comparison of $\beta$ and $\beta$ -D-glucans from shiitake mushrooms ( <i>Lentinula edodes</i> ) with different biological activities. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115521	10.3	40
28	Structural characterization and anti-inflammatory activity of a linear $\beta$ -D-glucan isolated from <i>Pleurotus sajor-caju</i> . <i>Carbohydrate Polymers</i> , <b>2014</b> , 113, 588-96	10.3	37
27	Antinociception of $\beta$ -D-glucan from <i>Pleurotus pulmonarius</i> is possibly related to protein kinase C inhibition. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 872-7	7.9	35

26	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> , <b>2010</b> , 15, 5818-30	4.8	31
25	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> , <b>2017</b> , 41, 330-336	6.8	28
24	Structure of two glucans and a galactofuranomannan from the lichen <i>Umbilicaria mammulata</i> . <i>Carbohydrate Polymers</i> , <b>2006</b> , 63, 13-18	10.3	28
23	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> , <b>2016</b> , 64, 1910-20	5.7	28
22	Testing the effect of combining innovative extraction technologies on the biological activities of obtained $\beta$ -glucan-enriched fractions from <i>Lentinula edodes</i> . <i>Journal of Functional Foods</i> , <b>2019</b> , 60, 103446	5.1	27
21	Antinociceptive effects of (1 $\rightarrow$ 3),(1 $\rightarrow$ 6)-linked $\beta$ -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> , <b>2010</b> , 11, 965-71	5.2	22
20	Structural characterization and rheological properties of a gel-like $\beta$ -D-glucan from <i>Pholiota nameko</i> . <i>Carbohydrate Polymers</i> , <b>2017</b> , 169, 1-8	10.3	20
19	Screening of bioactive compounds in truffles and evaluation of pressurized liquid extractions (PLE) to obtain fractions with biological activities. <i>Food Research International</i> , <b>2020</b> , 132, 109054	7	20
18	Yacon fructans ( <i>Smallanthus sonchifolius</i> ) extraction, characterization and activation of macrophages to phagocyte yeast cells. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 108, 1074-1081	7.9	20
17	Strengths and weaknesses of the aniline-blue method used to test mushroom (1 $\rightarrow$ 3)- $\beta$ -D-glucans obtained by microwave-assisted extractions. <i>Carbohydrate Polymers</i> , <b>2019</b> , 217, 135-143	10.3	18
16	Gelling functional property, anti-inflammatory and antinociceptive bioactivities of $\beta$ -D-glucan from the edible mushroom <i>Pholiota nameko</i> . <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 1128-1135	7.9	18
15	Simple and effective purification approach to dissociate mixed water-insoluble $\beta$ -D and $\beta$ -D-glucans and its application on the medicinal mushroom <i>Fomitopsis betulina</i> . <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 353-360	10.3	17
14	Glucuronarabinoxylan from coconut palm gum exudate: chemical structure and gastroprotective effect. <i>Carbohydrate Polymers</i> , <b>2014</b> , 107, 65-71	10.3	17
13	Production of a $\beta$ -D-glucan-rich extract from Shiitake mushrooms ( <i>Lentinula edodes</i> ) by an extraction/microfiltration/reverse osmosis (nanofiltration) process. <i>Innovative Food Science and Emerging Technologies</i> , <b>2019</b> , 51, 80-90	6.8	16
12	Fungal beta-glucans as adjuvants for treating cancer patients - A systematic review of clinical trials. <i>Clinical Nutrition</i> , <b>2021</b> , 40, 3104-3113	5.9	15
11	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> , <b>2017</b> , 19, 879-892	1.3	11
10	Polysaccharides from <i>Pleurotus eryngii</i> : Selective extraction methodologies and their modulatory effects on THP-1 macrophages. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117177	10.3	11
9	Fucogalactan from the giant mushroom <i>Macrocybe titans</i> inhibits melanoma cells migration. <i>Carbohydrate Polymers</i> , <b>2018</b> , 190, 50-56	10.3	10

8	Chemical characterization and wound healing property of a D-glucan from edible mushroom <i>Piptoporus betulinus</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 1361-1366	7.9	10
7	Exopolysaccharides from <i>Aspergillus terreus</i> : Production, chemical elucidation and immunoactivity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 139, 654-664	7.9	9
6	D-Glucans from the giant mushroom <i>Macrocybe titans</i> : Chemical characterization and rheological properties. <i>Food Hydrocolloids</i> , <b>2021</b> , 125, 107392	10.6	4
5	Natural Polysaccharides from Mushrooms: Antinociceptive and Anti-inflammatory Properties <b>2015</b> , 2151-2178	1	
4	<i>Agaricus bisporus</i> (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> , <b>2022</b> , 278, 118917	10.3	0
3	<i>Ganoderma lucidum</i> polysaccharides inhibit in vitro tumorigenesis, cancer stem cell properties and epithelial-mesenchymal transition in oral squamous cell carcinoma.. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 286, 114891	5	0
2	Naturally methylated mannogalactans from the edible mushrooms <i>Pholiota nameko</i> and <i>Pleurotus eryngii</i> . <i>Journal of Food Composition and Analysis</i> , <b>2021</b> , 102, 103985	4.1	0
1	Natural Polysaccharides from Mushrooms: Antinociceptive and Anti-inflammatory Properties <b>2014</b> , 1-25		