

# Fhernanda Ribeiro Smiderle

## List of Publications by Year in descending order

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44  
papers

2,088  
citations

201575

27  
h-index

265120

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2199  
citing authors

#	ARTICLE	IF	CITATIONS
1	d-Glucans from edible mushrooms: A review on the extraction, purification and chemical characterization approaches. <i>Carbohydrate Polymers</i> , 2015, 117, 753-761.	5.1	151
2	Mushroom heteropolysaccharides: A review on their sources, structure and biological effects. <i>Carbohydrate Polymers</i> , 2016, 136, 358-375.	5.1	137
3	Anti-inflammatory and analgesic properties in a rodent model of a (1 $\alpha$ '3),(1 $\alpha$ '6)-linked $\beta$ -glucan isolated from <i>Pleurotus pulmonarius</i> . <i>European Journal of Pharmacology</i> , 2008, 597, 86-91.	1.7	136
4	<i>Agaricus bisporus</i> and <i>Agaricus brasiliensis</i> (1 $\alpha$ '6)- $\beta$ -d-glucans show immunostimulatory activity on human THP-1 derived macrophages. <i>Carbohydrate Polymers</i> , 2013, 94, 91-99.	5.1	107
5	A $\beta$ -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.	5.1	95
6	Structural characterization of a polysaccharide and a $\beta$ -glucan isolated from the edible mushroom <i>Flammulina velutipes</i> . <i>Phytochemistry</i> , 2006, 67, 2189-2196.	1.4	93
7	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.	3.7	90
8	Evaluation of microwave-assisted and pressurized liquid extractions to obtain $\beta$ -d-glucans from mushrooms. <i>Carbohydrate Polymers</i> , 2017, 156, 165-174.	5.1	90
9	Anti-Inflammatory Properties of the Medicinal Mushroom <i>Cordyceps militaris</i> Might Be Related to Its Linear (1 $\alpha$ '3)- $\beta$ -D-Glucan. <i>PLoS ONE</i> , 2014, 9, e110266.	1.1	77
10	Isolation and comparison of $\alpha$ - and $\beta$ -D-glucans from shiitake mushrooms ( <i>Lentinula edodes</i> ) with different biological activities. <i>Carbohydrate Polymers</i> , 2020, 229, 115521.	5.1	73
11	A 3-O-methylated mannogalactan from <i>Pleurotus pulmonarius</i> : Structure and antinociceptive effect. <i>Phytochemistry</i> , 2008, 69, 2731-2736.	1.4	72
12	Exopolysaccharides, proteins and lipids in <i>Pleurotus pulmonarius</i> submerged culture using different carbon sources. <i>Carbohydrate Polymers</i> , 2012, 87, 368-376.	5.1	67
13	Exopolysaccharide produced by <i>Pleurotus sajor-caju</i> : Its chemical structure and anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 90-96.	3.6	63
14	Isolation and chemical characterization of a glucogalactomannan of the medicinal mushroom <i>Cordyceps militaris</i> . <i>Carbohydrate Polymers</i> , 2013, 97, 74-80.	5.1	55
15	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> , 2019, 60, 103446.	1.6	52
16	Characterization of a heterogalactan: Some nutritional values of the edible mushroom <i>Flammulina velutipes</i> . <i>Food Chemistry</i> , 2008, 108, 329-333.	4.2	51
17	Structural characterization and anti-inflammatory activity of a linear $\beta$ -d-glucan isolated from <i>Pleurotus sajor-caju</i> . <i>Carbohydrate Polymers</i> , 2014, 113, 588-596.	5.1	47
18	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.	2.7	47

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19	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> , 2012, 50, 872-877.	3.6	40
20	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, 5818-5830.	1.7	39
21	Structure of two glucans and a galactofuranomannan from the lichen <i>Umbilicaria mammulata</i> . <i>Carbohydrate Polymers</i> , 2006, 63, 13-18.	5.1	36
22	Fungal beta-glucans as adjuvants for treating cancer patients – A systematic review of clinical trials. <i>Clinical Nutrition</i> , 2021, 40, 3104-3113.	2.3	34
23	Structural characterization and rheological properties of a gel-like $\beta$ -D-glucan from <i>Pholiota nameko</i> . <i>Carbohydrate Polymers</i> , 2017, 169, 1-8.	5.1	33
24	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, 1910-1920.	2.4	32
25	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> , 2019, 122, 1128-1135.	3.6	31
26	Yacon fructans ( <i>Smallanthus sonchifolius</i> ) extraction, characterization and activation of macrophages to phagocyte yeast cells. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1074-1081.	3.6	29
27	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> , 2019, 51, 80-90.	2.7	29
28	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.	2.9	29
29	Simple and effective purification approach to dissociate mixed water-insoluble $\alpha$ - and $\beta$ -D-glucans and its application on the medicinal mushroom <i>Fomitopsis betulina</i> . <i>Carbohydrate Polymers</i> , 2018, 200, 353-360.	5.1	26
30	Strengths and weaknesses of the aniline-blue method used to test mushroom ( $\beta$ )-D-glucans obtained by microwave-assisted extractions. <i>Carbohydrate Polymers</i> , 2019, 217, 135-143.	5.1	26
31	Polysaccharides from <i>Pleurotus eryngii</i> : Selective extraction methodologies and their modulatory effects on THP-1 macrophages. <i>Carbohydrate Polymers</i> , 2021, 252, 117177.	5.1	26
32	Antinociceptive Effects of ( $\beta$ ),( $\beta$ )-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> , 2010, 11, 965-971.	0.7	25
33	<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> , 2022, 286, 114891.	2.0	23
34	Glucuronoarabinoxylan from coconut palm gum exudate: Chemical structure and gastroprotective effect. <i>Carbohydrate Polymers</i> , 2014, 107, 65-71.	5.1	22
35	Chemical characterization and wound healing property of a $\beta$ -D-glucan from edible mushroom <i>Piptoporus betulinus</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 117, 1361-1366.	3.6	19
36	Fucogalactan from the giant mushroom <i>Macrocybe titans</i> inhibits melanoma cells migration. <i>Carbohydrate Polymers</i> , 2018, 190, 50-56.	5.1	17

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37	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.	0.9	16
38	Exopolysaccharides from <i>Aspergillus terreus</i> : Production, chemical elucidation and immunoactivity. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 654-664.	3.6	15
39	Antimelanoma effect of a fucoxylomannan isolated from <i>Ganoderma lucidum</i> fruiting bodies. <i>Carbohydrate Polymers</i> , 2022, 294, 119823.	5.1	13
40	<i>Agaricus bisporus</i> $\beta$ -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.	5.1	11
41	$\beta$ -Glucans from the giant mushroom <i>Macrocybe titans</i> : Chemical characterization and rheological properties. <i>Food Hydrocolloids</i> , 2022, 125, 107392.	5.6	8
42	Naturally methylated mannogalactans from the edible mushrooms <i>Pholiota nameko</i> and <i>Pleurotus eryngii</i> . <i>Journal of Food Composition and Analysis</i> , 2021, 102, 103985.	1.9	5
43	Natural Polysaccharides from Mushrooms: Antinociceptive and Anti-inflammatory Properties. , 2015, , 2151-2178.		1
44	Natural from : and Anti-inflammatory. , 2014, , 1-25.		0