Andrea C Ruthes

List of Publications by Year in Descending Order

42 papers	1,110 citations	20 h-index	33 g-index
42 ext. papers	1,315 ext. citations	7.9 avg, IF	4.53 L-index

#	Paper	IF	Citations
42	The impact of management strategies on the development and status of potato cyst nematode populations in Switzerland: An overview from 1958 to present. *Plant Disease*, **2021**,	1.5	1
41	Dietary Fiber Hierarchical Specificity: the Missing Link for Predictable and Strong Shifts in Gut Bacterial Communities. *MBio*, **2021**, 12, e0102821	7.8	4
40	Prebiotic potential of mushroom d-glucans: implications of physicochemical properties and structural features. *Carbohydrate Polymers*, **2021**, 262, 117940	10.3	8
39	Enzyme synergy for the production of arabinoxylo-oligosaccharides from highly substituted arabinoxylan and evaluation of their prebiotic potential. *LWT - Food Science and Technology*, **2020**, 131, 109762	5.4	5
38	Comparative Recalcitrance and Extractability of Cell Wall Polysaccharides from Cereal (Wheat, Rye, and Barley) Brans Using Subcritical Water. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7192-7204	8.3	7
37	Agaricus bisporus and its by-products as a source of valuable extracts and bioactive compounds. *Food Chemistry*, **2019**, 292, 176-187	8.5	39
36	Pectins from the pulp of gabiroba (Campomanesia xanthocarpa Berg): Structural characterization and rheological behavior. *Carbohydrate Polymers*, **2019**, 214, 250-258	10.3	30
35	Cytotoxic effect of crude and purified pectins from Campomanesia xanthocarpa Berg on human glioblastoma cells. *Carbohydrate Polymers*, **2019**, 224, 115140	10.3	9
34	Feruloylated Arabinoxylans from Wheat Bran: Optimization of Extraction Process and Validation at Pilot Scale. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13167-13177	8.3	23
33	First Morphological and Molecular Report of on Strawberry Plants in Switzerland. *Plant Disease*, **2019**, 103, 2851-2856	1.5	1
32	Focused Metabolism of Glucans by the Soil Species Chitinophaga pinensis. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	23
31	Chemical structure of a partially 3-O-methylated mannofucogalactan from edible mushroom Grifola frondosa. *Carbohydrate Polymers*, **2018**, 187, 110-117	10.3	10
30	Partially methylated galactans containing different proportions of 3-O-methyl-galactose from Pleurotus citrinopileatus. *Carbohydrate Research*, **2018**, 458-459, 29-34	2.9	8
29	Chemical characterization and wound healing property of a D-glucan from edible mushroom Piptoporus betulinus. *International Journal of Biological Macromolecules*, **2018**, 117, 1361-1366	7.9	10
28	In vitro fermentation of Cookeina speciosa glucans stimulates the growth of the butyrogenic Clostridium cluster XIVa in a targeted way. *Carbohydrate Polymers*, **2018**, 183, 219-229	10.3	31
27	(1-6)-D-glucan secreted during the optimised production of exopolysaccharides by Paecilomyces variotii has immunostimulatory activity. *Antonie Van Leeuwenhoek*, **2018**, 111, 981-994	2.1	2
26	Cytotoxic effect of a mannogalactoglucan extracted from Agaricus bisporus on HepG2 cells. *Carbohydrate Polymers*, **2017**, 170, 33-42	10.3	16

25	Sequential fractionation of feruloylated hemicelluloses and oligosaccharides from wheat bran using subcritical water and xylanolytic enzymes. *Green Chemistry*, **2017**, 19, 1919-1931	10	31
24	Extraction, purification and structural characterization of a galactoglucomannan from the gabiroba fruit (Campomanesia xanthocarpa Berg), Myrtaceae family. *Carbohydrate Polymers*, **2017**, 174, 887-895	10.3	16
23	Structure and antinociceptive effects of β-D-glucans from Cookeina tricholoma. *Carbohydrate Polymers*, **2016**, 141, 220-8	10.3	21
22	Mushroom heteropolysaccharides: A review on their sources, structure and biological effects. *Carbohydrate Polymers*, **2016**, 136, 358-75	10.3	105
21	Enzymatic-assisted extraction and modification of lignocellulosic plant polysaccharides for packaging applications. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	4
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. *Carbohydrate Polymers*, **2015**, 117, 753-761	10.3	129
18	Exopolysaccharide produced by Pleurotus sajor-caju: its chemical structure and anti-inflammatory activity. *International Journal of Biological Macromolecules*, **2015**, 75, 90-6	7.9	48
17	Water-soluble polysaccharides from Pleurotus ostreatus var. florida mycelial biomass. *International Journal of Biological Macromolecules*, **2014**, 70, 354-9	7.9	21
16	Glycan analysis of Fonsecaea monophora from clinical and environmental origins reveals different structural profile and human antigenic response. *Frontiers in Cellular and Infection Microbiology*, **2014**, 4, 153	5.9	2
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 Pleurotus sajor-caju. *Carbohydrate Polymers*, **2014**, 113, 588-96	10.3	37
13	Cytotoxic effect of Agaricus bisporus and Lactarius rufus β-D-glucans on HepG2 cells. *International Journal of Biological Macromolecules*, **2013**, 58, 95-103	7.9	25
12	Agaricus bisporus fucogalactan: structural characterization and pharmacological approaches. *Carbohydrate Polymers*, **2013**, 92, 184-91	10.3	44
11	Fucomannogalactan and glucan from mushroom Amanita muscaria: structure and inflammatory pain inhibition. *Carbohydrate Polymers*, **2013**, 98, 761-9	10.3	45
10	Polysaccharide glucomannan isolated from Heterodermia obscurata attenuates acute and chronic pain in mice. *Carbohydrate Polymers*, **2013**, 92, 2058-64	10.3	13
9	Lactarius rufus (1-3),(1-6)-β-D-glucans: structure, antinociceptive and anti-inflammatory effects. *Carbohydrate Polymers*, **2013**, 94, 129-36	10.3	66
8	Chemical and biological properties of a highly branched β-glucan from edible mushroom Pleurotus sajor-caju. *Carbohydrate Polymers*, **2012**, 90, 814-9	10.3	50

7	Exopolysaccharides, proteins and lipids in Pleurotus pulmonarius submerged culture using different carbon sources. *Carbohydrate Polymers*, **2012**, 87, 368-376	10.3	54
6	Structural characterization and protective effect against murine sepsis of fucogalactans from Agaricus bisporus and Lactarius rufus. *Carbohydrate Polymers*, **2012**, 87, 1620-1627	10.3	40
5	Polysaccharides from Agaricus bisporus and Agaricus brasiliensis show similarities in their structures and their immunomodulatory effects on human monocytic THP-1 cells. *BMC Complementary and Alternative Medicine*, **2011**, 11, 58	4.7	76
4	Structural characterization of the uncommon polysaccharides obtained from Peltigera canina photobiont Nostoc muscorum. *Carbohydrate Polymers*, **2010**, 81, 29-34	10.3	19
3	Chemical structure and selected biological properties of a glucomannan from the lichenized fungus Heterodermia obscurata. *Phytochemistry*, **2010**, 71, 2132-9	4	13
2	The origin of mannans found in submerged culture of basidiomycetes. *Carbohydrate Polymers*, **2010** , 79, 1052-1056	10.3	15
1	Polysaccharides present in cultivated Teloschistes flavicans symbiosis: comparison with those of the thallus. *Plant Physiology and Biochemistry*, **2008**, 46, 500-5	5.4	8