

Zdenka Hromdkov

List of Publications by Citations

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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.

28

papers

1,220

citations

20

h-index

29

g-index

29

ext. papers

1,318

ext. citations

5

avg, IF

4.06

L-index

#	Paper	IF	Citations
28	Hemicellulose1-67		332
27	Determination of the degree of esterification of pectinates with decyl and benzyl ester groups by diffuse reflectance infrared Fourier transform spectroscopy (DRIFTS) and curve-fitting deconvolution method. <i>Carbohydrate Polymers</i> , 2004 , 56, 465-469	10.3	87
26	Structural features of two heteroxylan polysaccharide fractions from wheat bran with anti-complementary and antioxidant activities. <i>Carbohydrate Polymers</i> , 2013 , 93, 22-30	10.3	80
25	Norway spruce galactoglucomannans exhibiting immunomodulating and radical-scavenging activities. <i>International Journal of Biological Macromolecules</i> , 2008 , 42, 1-5	7.9	65
24	Structural diversity of pectins isolated from the Styrian oil-pumpkin (<i>Cucurbita pepo</i> var. <i>styriaca</i>) fruit. <i>Carbohydrate Polymers</i> , 2013 , 93, 163-71	10.3	63
23	Structural features of a water-soluble L-arabino-D-xylan from rye bran. <i>Carbohydrate Research</i> , 1990 , 198, 57-66	2.9	62
22	Degradation of hyaluronan by ultrasonication in comparison to microwave and conventional heating. <i>Carbohydrate Polymers</i> , 2005 , 61, 420-426	10.3	55
21	Weak self-association in a carbohydrate system. <i>Biophysical Journal</i> , 2007 , 93, 741-9	2.9	45
20	An overview on the application of ultrasound in extraction, separation and purification of plant polysaccharides. <i>Open Chemistry</i> , 2010 , 8, 243-257	1.6	38
19	Structural and molecular properties of a water-soluble arabinoxylan-protein complex isolated from rye bran. <i>Carbohydrate Research</i> , 1994 , 264, 97-109	2.9	37
18	Structural characterisation of polysaccharides from roasted hazelnut skins. <i>Food Chemistry</i> , 2019 , 286, 179-184	8.5	30
17	Microwave-assisted extraction of pectin from unutilized pumpkin biomass. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016 , 102, 9-15	3.7	29
16	Non-cellulosic polysaccharides from the leaves of small balsam (<i>Impatiens parviflora</i> DC.). <i>Carbohydrate Research</i> , 2014 , 389, 147-53	2.9	29
15	Polysaccharides from the Styrian oil-pumpkin with antioxidant and complement-fixing activity. <i>Industrial Crops and Products</i> , 2013 , 41, 127-133	5.9	29
14	Structural features of a rye-bran arabinoxylan with a low degree of branching. <i>Carbohydrate Research</i> , 1987 , 163, 73-79	2.9	29
13	Isolation and characterization of pectic polysaccharides from the seeded fruit of oil pumpkin (<i>Cucurbita pepo</i> L. var. <i>Styriaca</i>). <i>Industrial Crops and Products</i> , 2010 , 31, 370-377	5.9	28
12	Suppressive effect of pectic polysaccharides from <i>Cucurbita pepo</i> L. var. <i>Styriaca</i> on citric acid-induced cough reflex in guinea pigs. <i>Fluiterapia</i> , 2011 , 82, 357-64	3.2	25

11	Modification of pectin with UV-absorbing substituents and its effect on the structural and hydrodynamic properties of the water-soluble derivatives. <i>Carbohydrate Polymers</i> , 2002 , 48, 351-359	10.3	22
10	Bioactive hemicelluloses alkali-extracted from Fallopiya sachalinensis leaves. <i>Carbohydrate Research</i> , 2014 , 398, 19-24	2.9	21
9	The pharmacological activity of wheat bran polysaccharides. <i>Phytotherapy Research</i> , 2010 , 81, 1037-44	3.2	20
8	Chemical evaluation of Fallopiya species leaves and antioxidant properties of their non-cellulosic polysaccharides. <i>Chemical Papers</i> , 2010 , 64,	1.9	18
7	Chemical evaluation of seeded fruit biomass of oil pumpkin (Cucurbita pepo L. var. Styriaca). <i>Chemical Papers</i> , 2009 , 63,	1.9	16
6	Effect of salt stress on the production and properties of extracellular polysaccharides produced by <i>Cryptococcus laurentii</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005 , 60, 444-50	1.7	13
5	Structural characteristics and biological effects of exopolysaccharide produced by cyanobacterium <i>Nostoc</i> sp. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 364-371	7.9	13
4	Carbohydrate polymers from underground parts of <i>Cistanche deserticola</i> . <i>Phytochemistry</i> , 1995 , 40, 709-715	7.15	12
3	The Structural, Molecular and Functional Properties of Lignin-Containing Beechwood Glucuronoxylan. <i>Macromolecular Symposia</i> , 2005 , 232, 19-26	0.8	9
2	Effect of gamma-radiation on a water-insoluble arabinoxylan. <i>Journal of Applied Polymer Science</i> , 1989 , 38, 1919-1928	2.9	6
1	Determination of the degree of esterification of pectinates with decyl and benzyl ester groups by diffuse reflectance infrared Fourier transform spectroscopy (DRIFTS) and curve-fitting deconvolution method. <i>Carbohydrate Polymers</i> , 2004 , 56, 465-465	10.3	