

Zdenka Hromádková

List of Publications by Year in descending order

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28
papers

1,441
citations

331642

21
h-index

501174

28
g-index

29
all docs

29
docs citations

29
times ranked

1945
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemicellulose. , 0, , 1-67.		372
2	Structural features of two heteroxylan polysaccharide fractions from wheat bran with anti-complementary and antioxidant activities. Carbohydrate Polymers, 2013, 93, 22-30.	10.2	106
3	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. Carbohydrate Polymers, 2004, 56, 465-469.	10.2	105
4	Structural diversity of pectins isolated from the Styrian oil-pumpkin (Cucurbita pepo var. styriaca) fruit. Carbohydrate Polymers, 2013, 93, 163-171.	10.2	83
5	Norway spruce galactoglucomannans exhibiting immunomodulating and radical-scavenging activities. International Journal of Biological Macromolecules, 2008, 42, 1-5.	7.5	68
6	Structural features of a water-soluble l-arabino-d-xylan from rye bran. Carbohydrate Research, 1990, 198, 57-66.	2.3	66
7	Degradation of hyaluronan by ultrasonication in comparison to microwave and conventional heating. Carbohydrate Polymers, 2005, 61, 420-426.	10.2	59
8	An overview on the application of ultrasound in extraction, separation and purification of plant polysaccharides. Open Chemistry, 2010, 8, 243-257.	1.9	54
9	Weak Self-Association in a Carbohydrate System. Biophysical Journal, 2007, 93, 741-749.	0.5	50
10	Structural characterisation of polysaccharides from roasted hazelnut skins. Food Chemistry, 2019, 286, 179-184.	8.2	44
11	Microwave-assisted extraction of pectin from unutilized pumpkin biomass. Chemical Engineering and Processing: Process Intensification, 2016, 102, 9-15.	3.6	42
12	Structural and molecular properties of a water-soluble arabinoxylan-protein complex isolated from rye bran. Carbohydrate Research, 1994, 264, 97-109.	2.3	39
13	Polysaccharides from the Styrian oil-pumpkin with antioxidant and complement-fixing activity. Industrial Crops and Products, 2013, 41, 127-133.	5.2	33
14	Structural features of a rye-bran arabinoxylan with a low degree of branching. Carbohydrate Research, 1987, 163, 73-79.	2.3	32
15	Isolation and characterization of pectic polysaccharides from the seeded fruit of oil pumpkin (Cucurbita pepo L. var. Styriaca). Industrial Crops and Products, 2010, 31, 370-377.	5.2	32
16	Non-cellulosic polysaccharides from the leaves of small balsam (Impatiens parviflora DC.). Carbohydrate Research, 2014, 389, 147-153.	2.3	31
17	Suppressive effect of pectic polysaccharides from Cucurbita pepo L. var. Styriaca on citric acid-induced cough reflex in guinea pigs. FÅ-toterapÅ-Åc, 2011, 82, 357-364.	2.2	27
18	Bioactive hemicelluloses alkali-extracted from Fallopia sachalinensis leaves. Carbohydrate Research, 2014, 398, 19-24.	2.3	27

#	ARTICLE	IF	CITATIONS
19	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.	10.2	23
20	Chemical evaluation of seeded fruit biomass of oil pumpkin (<i>Cucurbita pepo</i> L. var. <i>Styriaca</i>). <i>Chemical Papers</i> , 2009, 63, .	2.2	23
21	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.	7.5	22
22	The pharmacological activity of wheat bran polysaccharides. <i>FÄ-toterapÄ-Äç</i> , 2010, 81, 1037-1044.	2.2	21
23	Chemical evaluation of <i>Fallopia</i> species leaves and antioxidant properties of their non-cellulosic polysaccharides. <i>Chemical Papers</i> , 2010, 64, .	2.2	20
24	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, 444-450.	1.4	19
25	Carbohydrate polymers from underground parts of <i>Cistanche deserticola</i> . <i>Phytochemistry</i> , 1995, 40, 709-715.	2.9	16
26	The Structural, Molecular and Functional Properties of Lignin-Containing Beechwood Glucuronoxylan. <i>Macromolecular Symposia</i> , 2005, 232, 19-26.	0.7	10
27	Effect of gamma-radiation on a water-insoluble arabinoxylan. <i>Journal of Applied Polymer Science</i> , 1989, 38, 1919-1928.	2.6	6
28	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.	10.2	4