

Maria Matulova

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4687073/maria-matulova-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,151
citations

18
h-index

28
g-index

80
ext. papers

1,285
ext. citations

4.8
avg, IF

3.92
L-index

#	Paper	IF	Citations
76	Structural features of an arabinogalactan-protein isolated from instant coffee powder of <i>Coffea arabica</i> beans. <i>Carbohydrate Polymers</i> , 2010 , 80, 180-185	10.3	70
75	Dietary fibre degradation and fermentation by two xylanolytic bacteria <i>Bacteroides xylanisolvens</i> XB1A and <i>Roseburia intestinalis</i> XB6B4 from the human intestine. <i>Journal of Applied Microbiology</i> , 2010 , 109, 451-460	4.7	61
74	Oxygen-derived free radical (ODFR) action on hyaluronan (HA), on two HA ester derivatives, and on the metabolism of articular chondrocytes. <i>Experimental Cell Research</i> , 1995 , 218, 79-86	4.2	54
73	(4-O-Methyl-alpha-D-glucurono)-D-xylan from <i>Rudbeckia fulgida</i> , var. <i>sullivantii</i> (Boynton et Beadle). <i>Carbohydrate Research</i> , 1998 , 308, 99-105	2.9	52
72	NMR structural study of fructans produced by <i>Bacillus</i> sp. 3B6, bacterium isolated in cloud water. <i>Carbohydrate Research</i> , 2011 , 346, 501-7	2.9	40
71	Degradation of wheat straw by <i>Fibrobacter succinogenes</i> S85: a liquid- and solid-state nuclear magnetic resonance study. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 1247-53	4.8	40
70	Structure of arabinogalactan oligosaccharides derived from arabinogalactan-protein of <i>Coffea arabica</i> instant coffee powder. <i>Carbohydrate Research</i> , 2011 , 346, 1029-36	2.9	39
69	Effects of extraction condition on structural features and anticoagulant activity of <i>F. vesca</i> L. conjugates. <i>Carbohydrate Polymers</i> , 2013 , 92, 741-50	10.3	37
68	Antitussive and immunomodulating activities of instant coffee arabinogalactan-protein. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 493-7	7.9	37
67	Biotransformation of methanol and formaldehyde by bacteria isolated from clouds. Comparison with radical chemistry. <i>Atmospheric Environment</i> , 2011 , 45, 6093-6102	5.3	32
66	NMR analysis of succinoglycans from different microbial sources: partial assignment of their ¹ H and ¹³ C NMR spectra and location of the succinate and the acetate groups. <i>Carbohydrate Research</i> , 1994 , 265, 167-79	2.9	31
65	Isolation and characterization of an extracellular glucan produced by <i>Leuconostoc garlicum</i> PR. <i>Carbohydrate Polymers</i> , 2011 , 83, 88-93	10.3	30
64	The extracellular proteoglycan produced by <i>Rhodella grisea</i> . <i>International Journal of Biological Macromolecules</i> , 2008 , 43, 390-3	7.9	27
63	Succinoglycan production by <i>Agrobacterium tumefaciens</i> . <i>Journal of Bioscience and Bioengineering</i> , 1998 , 85, 398-403		24
62	NMR study of cellulose and wheat straw degradation by <i>Ruminococcus albus</i> 20. <i>FEBS Journal</i> , 2008 , 275, 3503-11	5.7	21
61	<i>Coffea arabica</i> instant coffee--chemical view and immunomodulating properties. <i>Carbohydrate Polymers</i> , 2014 , 103, 418-26	10.3	20
60	Polyphenolic-polysaccharide conjugates of <i>Sanguisorba officinalis</i> L. with anticoagulant activity mediated mainly by heparin cofactor II. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1019-1029 ²⁰	7.9	20

59	Oligosaccharide synthesis in <i>Fibrobacter succinogenes</i> S85 and its modulation by the substrate. <i>FEBS Journal</i> , 2005 , 272, 2416-27	5.7	18
58	Enzymic regioselective hydrolysis of peracetylated reducing disaccharides, specifically at the anomeric centre: Intermediates for the synthesis of oligosaccharides.. <i>Tetrahedron Letters</i> , 1993 , 34, 7767-7770	2	18
57	¹³ C and ¹ H NMR study of cellulose metabolism by <i>Fibrobacter succinogenes</i> S85. <i>Journal of Biotechnology</i> , 2000 , 77, 37-47	3.7	17
56	Regioselective Deacetylation of Fully Acetylated Mono- and Di-Saccharides With Hydrazine Hydrate. <i>Australian Journal of Chemistry</i> , 1996 , 49, 293	1.2	17
55	Biotransformation of various saccharides and production of exopolymeric substances by cloud-borne <i>Bacillus</i> sp. 3B6. <i>Environmental Science & Technology</i> , 2014 , 48, 14238-47	10.3	16
54	Synthesis and Reactions of New 4-Oxo-4H-benzopyran-3-carboxaldehydes Containing Hydroxy Groups or 2-Oxopyran Cycles. <i>Molecules</i> , 1998 , 3, 149-158	4.8	16
53	The polyphenolic-polysaccharide complex of <i>Agrimonia eupatoria</i> L. as an indirect thrombin inhibitor - isolation and chemical characterization. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 124-132	7.9	16
52	Echinacea complex--chemical view and anti-asthmatic profile. <i>Journal of Ethnopharmacology</i> , 2015 , 175, 163-71	5	15
51	Human pathogen <i>Candida dubliniensis</i> : A cell wall mannan with a high content of β 1,2-linked mannose residues. <i>Carbohydrate Polymers</i> , 2007 , 70, 89-100	10.3	14
50	Extracellular polysaccharides of <i>Penicillium vermiculatum</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2002 , 57, 452-8	1.7	14
49	A nitro sugar derivative route to 2-thioepisophorose and 2-thiosophorose and their remarkable facile epimerization. <i>Carbohydrate Research</i> , 1996 , 283, 73-80	2.9	14
48	Study of Substituted Formylchromones. <i>Collection of Czechoslovak Chemical Communications</i> , 1994 , 59, 1673-1681		14
47	An arabino(glucurono)xylan isolated from immunomodulatory active hemicellulose fraction of <i>Salvia officinalis</i> L. <i>International Journal of Biological Macromolecules</i> , 2013 , 59, 396-401	7.9	13
46	Immobilisation of beta-D-galactosidase from <i>Escherichia coli</i> on cellulose beads and its use for the synthesis of disaccharide derivatives. <i>Carbohydrate Research</i> , 1991 , 209, 83-7	2.9	13
45	A ¹³ C-n.m.r. study of the alkaline degradation products of polysaccharides. <i>Carbohydrate Research</i> , 1986 , 152, 137-141	2.9	13
44	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
43	Chemico-physical and pharmacodynamic properties of extracellular <i>Dictyosphaerium chlorelloides</i> biopolymer. <i>Carbohydrate Polymers</i> , 2018 , 198, 215-224	10.3	12
42	Production of oligosaccharides and cellobionic acid by <i>Fibrobacter succinogenes</i> S85 growing on sugars, cellulose and wheat straw. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 425-33	5.7	12

41	NMR analysis of galactoglucan from <i>Pseudomonas marginalis</i> : assignment of the ¹ H and ¹³ C NMR spectra and location of succinate groups. <i>Carbohydrate Research</i> , 1996 , 283, 195-205	2.9	12
40	NMR studies of molybdate complexes of d-allose, d-altrose, d-gulose, and d-idose. <i>Carbohydrate Research</i> , 1993 , 250, 203-209	2.9	12
39	Extension of the Nef reaction to C-glycosylnitromethanes. <i>Carbohydrate Research</i> , 2006 , 341, 2019-25	2.9	11
38	Cell wall mannan of human pathogen <i>Candida dubliniensis</i> . <i>Carbohydrate Polymers</i> , 2007 , 68, 191-195	10.3	10
37	Concurrent maltodextrin and cellodextrin synthesis by <i>Fibrobacter succinogenes</i> S85 as identified by 2D NMR spectroscopy. <i>FEBS Journal</i> , 2001 , 268, 3907-15		10
36	Evaluation of Effect of Microwave Irradiation on Syntheses and Reactions of Some New 3-Acyl-methylchromones. <i>Molecules</i> , 1998 , 3, 120-131	4.8	10
35	Fed-batch production and simple isolation of succinoglycan from <i>Agrobacterium tumefaciens</i> . <i>Biotechnology Letters</i> , 1999 , 13, 7-10		10
34	Clouds: A Transient and Stressing Habitat for Microorganisms 2017 , 215-245		9
33	Structure of Glucomannan-Protein from the Yeast <i>Cryptococcus Laurentii</i> . <i>Journal of Carbohydrate Chemistry</i> , 1997 , 16, 609-623	1.7	9
32	Partial hydrolysis of acyl 1,6-anhydro- β -D-glucopyranose. <i>Collection of Czechoslovak Chemical Communications</i> , 1984 , 49, 1780-1787		9
31	Effect of the label of oligosaccharide acceptors on the kinetic parameters of nasturtium seed xyloglucan endotransglycosylase (XET). <i>Carbohydrate Research</i> , 2011 , 346, 357-61	2.9	8
30	Conformational analysis on segments of charged polysaccharides. The case of hyaluronic acid dimer and chondrosine. <i>Computational and Theoretical Chemistry</i> , 1997 , 395-396, 437-449		8
29	Production of maltodextrin 1-phosphate by <i>Fibrobacter succinogenes</i> S85. <i>FEBS Letters</i> , 2004 , 576, 226-308		8
28	Production and characterization of an exopolysaccharide from <i>Rhizobium hedysari</i> HCNT 1. <i>Biotechnology Letters</i> , 1997 , 19, 1231-1234	3	7
27	AN EXTRACELLULAR GALACTOGLUCOXYLOMANNAN PROTEIN FROM THE YEAST <i>Cryptococcus laurentii</i> VAR. <i>laurentii</i> . <i>Journal of Carbohydrate Chemistry</i> , 2002 , 21, 521-537	1.7	7
26	Extracellular biopolymers produced by freshwater cyanobacteria: a screening study. <i>Chemical Papers</i> , 2019 , 73, 771-776	1.9	7
25	Synthesis of L-Lyxose from L-Arabinitol via Photolysis of an Azido Derivative. <i>Synthesis</i> , 1991 , 1991, 209-210		6
24	Antimicrobial effect of 4-nitrophenylhydrazones, isonicotinoylhydrazones and N-4-nitrophenylglycosylamines of D- and L-aldoses. <i>Folia Microbiologica</i> , 1979 , 24, 273-5	2.8	6

23	Chlorella vulgaris L-arabino-L-rhamno-β-D-galactan structure and mechanisms of its anti-inflammatory and anti-remodelling effects. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 188-198	7.9	5
22	An Acidic Heteropolysaccharide from the Flowers of Malva Mauritiana L.. <i>Journal of Carbohydrate Chemistry</i> , 1997 , 16, 1373-1391	1.7	5
21	NMR studies of molybdate complexes of D-erythro-L-manno-octose and D-erythro-L-gluco-octose and their alditols. <i>Carbohydrate Research</i> , 2002 , 337, 1745-56	2.9	5
20	Furanose vs. acyclic forms of carbohydrate ligands. A multinuclear NMR spectroscopy study of the molybdate and tungstate complexes of d-glycero-l-manno-heptose. <i>Carbohydrate Research</i> , 1996 , 287, 37-48	2.9	5
19	Chemical regioselective hydrolysis of peracetylated reducing disaccharides, specifically at the anomeric centre: Intermediates for the synthesis of oligosaccharides. <i>Tetrahedron Letters</i> , 1994 , 35, 4247-4250 ⁵		
18	Production of d-mannitol from d-aldopentoses by the yeast <i>Rhodotorula minuta</i> . <i>Folia Microbiologica</i> , 1989 , 34, 511-514	2.8	5
17	A Fructofuranan from the Roots of <i>Rudbeckia fulgida</i> , var. <i>sullivantii</i> (BOYNTON et BEADLE). <i>Collection of Czechoslovak Chemical Communications</i> , 1997 , 62, 1799-1803		5
16	Cloud Microorganisms, an Interesting Source of Biosurfactants 2019 ,		5
15	Comparative ESI FT-MS and MALDI-TOF structural analyses of representative human N-linked glycans. <i>Chemical Papers</i> , 2015 , 69,	1.9	4
14	New isolation process for bioactive food fiber from wild strawberry leaf. <i>Biochemical Engineering Journal</i> , 2020 , 161, 107639	4.2	4
13	A Structural Analysis of the Angucycline-Like Antibiotic Auricin from Subsp. CCM 3239 Revealed Its High Similarity to Griseusins. <i>Antibiotics</i> , 2019 , 8,	4.9	4
12	Analogues of antifungal tjipanazoles from rebeccamycin. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 1955-62	3.4	4
11	Synthesis of 2-acetyl-3-methyl-4H-1,4-benzothiazine and its derivatives. <i>Monatshefte für Chemie</i> , 1993 , 124, 425-430	1.4	4
10	Structural features of the bioactive cyanobacterium <i>Nostoc</i> sp. exopolysaccharide. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 2284-2292	7.9	3
9	Molecular diagnosis of Pompe disease using MALDI TOF/TOF and 1H NMR. <i>Chemical Papers</i> , 2016 , 70,	1.9	3
8	Molecular heterogeneity of arabinogalactan-protein from <i>Coffea arabica</i> instant coffee. <i>International Journal of Biological Macromolecules</i> , 2013 , 59, 402-7	7.9	3
7	A conformational study of the Smith degradation product of the <i>Klebsiella</i> K40 capsular polysaccharide by 1D NOESY and molecular mechanics calculations. <i>Carbohydrate Research</i> , 1994 , 265, 151-9	2.9	3
6	Case study: monitoring of Glc4 tetrasaccharide in the urine of Pompe patients, use of MALDI-TOF MS, and 1H NMR. <i>Chemical Papers</i> , 2019 , 73, 701-711	1.9	3

5	An extracellular galactoxylomannan of acapsular <i>Cryptococcus laurentii</i> mutant. <i>International Journal of Biological Macromolecules</i> , 2008 , 43, 394-6	7.9	1
4	Optimizing acid hydrolysis for monosaccharide compositional analysis of <i>Nostoc cf. linckia</i> acidic exopolysaccharide. <i>Carbohydrate Research</i> , 2021 , 508, 108400	2.9	1
3	Lactylated acidic exopolysaccharide produced by the cyanobacterium <i>Nostoc cf. linckia</i> . <i>Carbohydrate Polymers</i> , 2022 , 276, 118801	10.3	0
2	An efficient system for stable markerless integration of large biosynthetic gene clusters into <i>Streptomyces</i> chromosomes. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 2123-2137	5.7	0
1	Polysaccharides in <i>Siraitia grosvenori</i> flowers and herbal tea. <i>Chemical Papers</i> , 2021 , 75, 1175-1185	1.9	