

# Edita Jurak

## 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.

23  
papers

329  
citations

10  
h-index

18  
g-index

24  
ext. papers

442  
ext. citations

6.5  
avg, IF

3.51  
L-index

#	Paper	IF	Citations
23	Fate of Carbohydrates and Lignin during Composting and Mycelium Growth of <i>Agaricus bisporus</i> on Wheat Straw Based Compost. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138909	3.7	55
22	Occurrence and function of enzymes for lignocellulose degradation in commercial <i>Agaricus bisporus</i> cultivation. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 4363-4369	5.7	38
21	Uncovering the abilities of <i>Agaricus bisporus</i> to degrade plant biomass throughout its life cycle. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 3098-109	5.2	37
20	A novel acetyl xylan esterase enabling complete deacetylation of substituted xylans. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 74	7.8	29
19	Carbohydrate utilization and metabolism is highly differentiated in <i>Agaricus bisporus</i> . <i>BMC Genomics</i> , <b>2013</b> , 14, 663	4.5	27
18	Carbohydrate composition of compost during composting and mycelium growth of <i>Agaricus bisporus</i> . <i>Carbohydrate Polymers</i> , <b>2014</b> , 101, 281-8	10.3	24
17	Tunable and functional deep eutectic solvents for lignocellulose valorization. <i>Nature Communications</i> , <b>2021</b> , 12, 5424	17.4	23
16	Biocatalytic Production of Amino Carbohydrates through Oxidoreductase and Transaminase Cascades. <i>ChemSusChem</i> , <b>2019</b> , 12, 848-857	8.3	21
15	Compost Grown <i>Agaricus bisporus</i> Lacks the Ability to Degrade and Consume Highly Substituted Xylan Fragments. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134169	3.7	16
14	HO as a candidate bottleneck for MnP activity during cultivation of <i>Agaricus bisporus</i> in compost. <i>AMB Express</i> , <b>2017</b> , 7, 124	4.1	15
13	Highly Efficient Semi-Continuous Extraction and In-Line Purification of High EO-4 Butanosolv Lignin. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 655983	5	8
12	The physiology of <i>Agaricus bisporus</i> in semi-commercial compost cultivation appears to be highly conserved among unrelated isolates. <i>Fungal Genetics and Biology</i> , <b>2018</b> , 112, 12-20	3.9	7
11	Accumulation of recalcitrant xylan in mushroom-compost is due to a lack of xylan substituent removing enzyme activities of <i>Agaricus bisporus</i> . <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 359-68	10.3	5
10	Long chains and crystallinity govern the enzymatic degradability of gelatinized starches from conventional and new sources. <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117801	10.3	5
9	The acclimation of carnivorous round-leaved sundew ( <i>Drosera rotundifolia</i> L.) to solar radiation. <i>Acta Physiologiae Plantarum</i> , <b>2015</b> , 37, 1	2.6	4
8	GH13 Glycogen branching enzymes can adapt the substrate chain length towards their preferences via $\beta$ 1,4-transglycosylation. <i>Enzyme and Microbial Technology</i> , <b>2021</b> , 150, 109882	3.8	4
7	Reliability factor for identification of amylolytic enzyme activity in the optimized starch-iodine assay. <i>Analytical Biochemistry</i> , <b>2020</b> , 597, 113696	3.1	3

6	Production of $\beta$ 1,3-L-arabinofuranosidase active on substituted xylan does not improve compost degradation by <i>Agaricus bisporus</i> . <i>PLoS ONE</i> , <b>2018</b> , 13, e0201090	3.7	3
5	5-Hydroxy-2-Methylfurfural from Sugar Beet Thick Juice: Kinetic and Modeling Studies. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2626-2638	8.3	2
4	Efficient isolation of membrane-associated exopolysaccharides of four commercial bifidobacterial strains.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 278, 118913	10.3	1
3	Polysaccharide utilization loci-driven enzyme discovery reveals BD-FAE: a bifunctional feruloyl and acetyl xylan esterase active on complex natural xylans. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 127	7.8	1
2	The influence of amylose content on the modification of starches by glycogen branching enzymes. <i>Food Chemistry</i> , <b>2022</b> , 133294	8.5	1
1	Analysis of the substrate specificity of $\beta$ -L-arabinofuranosidases by DNA sequencer-aided fluorophore-assisted carbohydrate electrophoresis. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 10091-10102	5.7	0