

# Anna Jarosz-Wilkońska

## List of Publications by Year in descending order

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61  
papers

3,447  
citations

218592

26  
h-index

138417

58  
g-index

63  
all docs

63  
docs citations

63  
times ranked

4369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactive Properties of a Novel Antibacterial Dye Obtained from Laccase-Mediated Oxidation of 8-Anilino-1-naphthalenesulfonic Acid. <i>Molecules</i> , 2022, 27, 487.	1.7	5
2	Physicochemical factors affecting flocculating properties of the proteoglycan isolated from <i>Rhodococcus opacus</i> . <i>Biophysical Chemistry</i> , 2021, 277, 106656.	1.5	3
3	Novel textile dye obtained through transformation of 2-amino-3-methoxybenzoic acid by free and immobilised laccase from a <i>Pleurotus ostreatus</i> strain. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109398.	1.6	14
4	Oxalate oxidase from <i>Abortiporus biennis</i> " protein localisation and gene sequence analysis. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 1307-1315.	3.6	1
5	Influence of Carrier Structure and Physicochemical Factors on Immobilisation of Fungal Laccase in Terms of Bisphenol A Removal. <i>Catalysts</i> , 2020, 10, 951.	1.6	13
6	Structure and Bioactive Properties of Novel Textile Dyes Synthesised by Fungal Laccase. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2052.	1.8	14
7	Differences in Production, Composition, and Antioxidant Activities of Exopolymeric Substances (EPS) Obtained from Cultures of Endophytic <i>Fusarium culmorum</i> Strains with Different Effects on Cereals. <i>Molecules</i> , 2020, 25, 616.	1.7	14
8	Serine Protease Inhibitors"New Molecules for Modification of Polymeric Biomaterials. <i>Biomolecules</i> , 2020, 10, 82.	1.8	8
9	Laccase Properties, Physiological Functions, and Evolution. <i>International Journal of Molecular Sciences</i> , 2020, 21, 966.	1.8	333
10	Extracellular polymeric substances immobilized on microspheres for removal of heavy metals from aqueous environment. <i>Biochemical Engineering Journal</i> , 2019, 143, 202-211.	1.8	26
11	Bacterial exopolysaccharides as a modern biotechnological tool for modification of fungal laccase properties and metal ion binding. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 973-989.	1.7	11
12	Characterisation of exopolymer R-202 isolated from <i>Rhodococcus rhodochrous</i> and its flocculating properties. <i>European Polymer Journal</i> , 2017, 88, 21-33.	2.6	23
13	Transcriptome-based analysis of the saprophytic fungus <i>Abortiporus biennis</i> " response to oxalic acid. <i>Microbiological Research</i> , 2017, 199, 79-88.	2.5	9
14	Lignin degradation: microorganisms, enzymes involved, genomes analysis and evolution. <i>FEMS Microbiology Reviews</i> , 2017, 41, 941-962.	3.9	584
15	Oxalic acid degradation by a novel fungal oxalate oxidase from <i>Abortiporus biennis</i> . <i>Acta Biochimica Polonica</i> , 2016, 63, 595-600.	0.3	9
16	NOVEL APPLICATION OF POROUS AND CELLULAR MATERIALS FOR COVALENT IMMOBILIZATION OF PEPSIN. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 251-260.	0.7	11
17	Production and characterisation of exopolymer from <i>Rhodococcus opacus</i> . <i>Biochemical Engineering Journal</i> , 2016, 112, 143-152.	1.8	21
18	Calcium carbonate formation on mica supported extracellular polymeric substance produced by <i>Rhodococcus opacus</i> . <i>Journal of Solid State Chemistry</i> , 2016, 242, 212-221.	1.4	36

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19	New alkaline lipase from <i>Rhizomucor variabilis</i> : Biochemical properties and stability in the presence of microbial EPS. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 67-76.	1.4	8
20	Laccase-mediated synthesis of a phenoxazine compound with antioxidative and dyeing properties – the optimisation process. <i>New Biotechnology</i> , 2016, 33, 255-262.	2.4	25
21	Amphotericin B-silver hybrid nanoparticles: synthesis, properties and antifungal activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1095-1103.	1.7	54
22	Toxicity and dyeing properties of dyes obtained through laccase-mediated synthesis. <i>Journal of Cleaner Production</i> , 2016, 112, 4265-4272.	4.6	31
23	Purification of wastewater by natural flocculants. <i>Biotechnologia</i> , 2015, 4, 272-278.	0.3	17
24	Intracellular distribution of cadmium during the growth of <i>Abortiporus biennis</i> on cadmium-amended media. <i>Canadian Journal of Microbiology</i> , 2015, 61, 545-554.	0.8	2
25	Decolourisation of anthraquinone-and anthracene-type dyes by versatile peroxidases from <i>Bjerkandera fumosa</i> and <i>Pleurotus ostreatus</i> D1. <i>Biocatalysis and Biotransformation</i> , 2015, 33, 69-80.	1.1	8
26	Extracellular polysaccharides from Ascomycota and Basidiomycota: production conditions, biochemical characteristics, and biological properties. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1823-1844.	1.7	97
27	Exopolysaccharide from <i>Ganoderma applanatum</i> as a Promising Bioactive Compound with Cytostatic and Antibacterial Properties. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	50
28	Correlation between the production of exopolysaccharides and oxalic acid secretion by <i>Ganoderma applanatum</i> and <i>Tyromyces palustris</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 3065-3074.	1.7	9
29	Biophysical characterization of genistein – membrane interaction and its correlation with biological effect on cells – The case of EYPC liposomes and human erythrocyte membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2127-2138.	1.4	14
30	Characteristics of quercetin interactions with liposomal and vacuolar membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 254-265.	1.4	78
31	Versatile peroxidase of <i>Bjerkandera fumosa</i> : Substrate and inhibitor specificity. <i>Enzyme and Microbial Technology</i> , 2013, 52, 44-53.	1.6	20
32	New Bioactive Fungal Molecules with High Antioxidant and Antimicrobial Capacity Isolated from <i>Cerrena unicolor</i> Idiophasic Cultures. <i>BioMed Research International</i> , 2013, 2013, 1-11.	0.9	65
33	Fungal laccases as green catalysts for dye synthesis. <i>Process Biochemistry</i> , 2012, 47, 1295-1307.	1.8	144
34	Structure/Redox potential relationship of simple organic compounds as potential precursors of dyes for laccase-mediated transformation. <i>Biotechnology Progress</i> , 2012, 28, 93-102.	1.3	32
35	Oxalic acid, versatile peroxidase secretion and chelating ability of <i>Bjerkandera fumosa</i> in rich and limited culture conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1885-1891.	1.7	21
36	Nonlinear changes in the activity of the oxygen-dependent demethylase system in <i>Rhodococcus erythropolis</i> cells in the presence of low and very low doses of formaldehyde. <i>Nonlinear Biomedical Physics</i> , 2011, 5, 9.	1.5	19

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37	Growth inhibition and intracellular distribution of Pb ions by the white-rot fungus <i>Abortiporus biennis</i> . <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 124-129.	1.9	23
38	Synthesis and structural characterization of a novel phenoxazinone dye by use of a fungal laccase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 63, 116-120.	1.8	40
39	Whole-cell fungal transformation of precursors into dyes. <i>Microbial Cell Factories</i> , 2010, 9, 51.	1.9	30
40	<i>Abortiporus biennis</i> tolerance to insoluble metal oxides: oxalate secretion, oxalate oxidase activity, and mycelial morphology. <i>BioMetals</i> , 2009, 22, 401-410.	1.8	36
41	Influence of very low doses of mediators on fungal laccase activity - nonlinearity beyond imagination. <i>Nonlinear Biomedical Physics</i> , 2009, 3, 10.	1.5	12
42	Tyrosinase/laccase bienzyme biosensor for amperometric determination of phenolic compounds. <i>Microchemical Journal</i> , 2008, 89, 171-174.	2.3	56
43	Catalytic activity of versatile peroxidase from <i>Bjerkandera fumosa</i> at different pH. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 280-287.	1.1	16
44	Catalytic activity of <i>Cerrena unicolor</i> laccase in aqueous solutions of water-miscible organic solvents – Experimental and numerical description. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 44, 53-59.	1.8	29
45	Organic acids production by white rot Basidiomycetes in the presence of metallic oxides. <i>Canadian Journal of Microbiology</i> , 2006, 52, 779-785.	0.8	34
46	Species-specific Cd-stress Response in the White Rot Basidiomycetes <i>Abortiporus biennis</i> and <i>Cerrena unicolor</i> . <i>BioMetals</i> , 2006, 19, 39-49.	1.8	48
47	Catalytic activity of versatile peroxidase from <i>Bjerkandera fumosa</i> in aqueous solutions of water-miscible organic solvents. <i>Applied Catalysis A: General</i> , 2006, 308, 56-61.	2.2	29
48	Direct electron transfer reactions of laccases from different origins on carbon electrodes. <i>Bioelectrochemistry</i> , 2005, 67, 115-124.	2.4	212
49	Characterization of graphite electrodes modified with laccases from <i>Trametes hirsuta</i> and <i>Cerrena unicolor</i> and their use for flow injection amperometric determination of some phenolic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 753-770.	1.8	15
50	Inhibition of the proteasome strongly affects cadmium stimulated laccase activity in. <i>Biochimie</i> , 2005, 87, 755-762.	1.3	16
51	Amperometric detection of mono- and diphenols at laccase-modified graphite electrode: correlation between sensitivity and substrate structure. <i>Talanta</i> , 2005, 66, 1219-1224.	2.9	104
52	Development of a Laccase-Modified Electrode for Amperometric Detection of Mono- and Diphenols. The Influence of Enzyme Storage Method. <i>Analytical Letters</i> , 2004, 37, 1497-1513.	1.0	11
53	Use of laccase-modified electrode for amperometric detection of plant flavonoids. <i>Enzyme and Microbial Technology</i> , 2004, 35, 238-241.	1.6	94
54	Oxalate production by wood-rotting fungi growing in toxic metal-amended medium. <i>Chemosphere</i> , 2003, 52, 541-547.	4.2	117

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55	The Influence of Very Low Doses of Cisplatin on Tumor Cell Proliferation In Vitro and on Some Hematological and Enzymatic Parameters of Healthy Rats. <i>Nonlinearity in Biology, Toxicology, Medicine</i> , 2003, 1, 154014203908445.	0.4	6
56	Effect of Low Doses of Guaiacol and Ethanol on Enzymatic Activity of Fungal Cultures. <i>Nonlinearity in Biology, Toxicology, Medicine</i> , 2003, 1, 154014203914343.	0.4	13
57	UPTAKE OF CADMIUM IONS IN WHITE-ROT FUNGUS TRAMETES VERSICOLOR: EFFECT OF CD (II) IONS ON THE ACTIVITY OF LACCASE. <i>Cell Biology International</i> , 2002, 26, 605-613.	1.4	35
58	Fungi and their ability to decolourize azo and anthraquinonic dyes. <i>Enzyme and Microbial Technology</i> , 2002, 30, 566-572.	1.6	145
59	Fungal laccase: properties and activity on lignin. <i>Journal of Basic Microbiology</i> , 2001, 41, 185-227.	1.8	472
60	Formaldehyde as a Proof and Response to Various Kind of Stress in Some Basidiomycetes. <i>Acta Biologica Hungarica</i> , 1998, 49, 393-403.	0.7	13
61	Formaldehyde as a proof and response to various kind of stress in some Basidiomycetes. <i>Acta Biologica Hungarica</i> , 1998, 49, 393-403.	0.7	10