

Magdalena Jaszek

List of Publications by Year in descending order

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55
papers

921
citations

516561

16
h-index

501076

28
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all docs

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docs citations

55
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Enhanced extracellular laccase activity as a part of the response system of white rot fungi: <i>Trametes versicolor</i> and <i>Abortiporus biennis</i> to paraquat-caused oxidative stress conditions. <i>Pesticide Biochemistry and Physiology</i> , 2006, 85, 147-154.	1.6	65
3	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
4	Anticancer, antioxidant, and antibacterial activities of low molecular weight bioactive subfractions isolated from cultures of wood degrading fungus <i>Cerrena unicolor</i> . <i>PLoS ONE</i> , 2018, 13, e0197044.	1.1	64
5	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
6	Fungus <i>Cerrena unicolor</i> as an effective source of new antiviral, immunomodulatory, and anticancer compounds. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 459-468.	3.6	41
7	Activity of Free and Immobilized Extracellular <i>Cerrena unicolor</i> Laccase in Water Miscible Organic Solvents. <i>Holzforschung</i> , 1998, 52, 589-595.	0.9	35
8	Ligninolytic enzymes can participate in a multiple response system to oxidative stress in white-rot basidiomycetes: <i>Fomes fomentarius</i> and <i>Tyromyces pubescens</i> . <i>International Biodeterioration and Biodegradation</i> , 2006, 58, 168-175.	1.9	35
9	Laccase purified from <i>Cerrena unicolor</i> exerts antitumor activity against leukemic cells. <i>Oncology Letters</i> , 2016, 11, 2009-2018.	0.8	32
10	The response of the <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> wild-type and exopolysaccharide-deficient mutants to oxidative stress. <i>Plant and Soil</i> , 2014, 376, 75-94.	1.8	31
11	Profiles of the body-surface proteolytic system of honey bee queens, workers and drones: Ontogenetic and seasonal changes in proteases and their natural inhibitors. <i>Apidologie</i> , 2009, 40, 4-19.	0.9	27
12	Antitumor potential of new low molecular weight antioxidative preparations from the white rot fungus <i>Cerrena unicolor</i> against human colon cancer cells. <i>Scientific Reports</i> , 2019, 9, 1975.	1.6	25
13	Cooperation of Fungal Laccase and Glucose 1-Oxidase in Transformation of BjÅrkman Lignin and Some Phenolic Compounds. <i>Holzforschung</i> , 1999, 53, 376-380.	0.9	21
14	Solid-State Fermentation of Rapeseed Meal with the White-Rot Fungi <i>Trametes versicolor</i> and <i>Pleurotus ostreatus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 2075-2081.	1.4	20
15	Antimicrobial and antioxidative potential of free and immobilised cellobiose dehydrogenase isolated from wood degrading fungi. <i>Fungal Biology</i> , 2019, 123, 875-886.	1.1	18
16	Medicinal potential of mycelium and fruiting bodies of an arboreal mushroom <i>Fomitopsis officinalis</i> in therapy of lifestyle diseases. <i>Scientific Reports</i> , 2020, 10, 20081.	1.6	17
17	Fungal polysaccharides as a water-adsorbing material in esters production with the use of lipase from <i>Rhizomucor variabilis</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 118, 957-964.	3.6	15
18	Effect of coniferyl alcohol addition on removal of chlorophenols from water effluent by fungal laccase. <i>Journal of Wood Science</i> , 1999, 45, 174-178.	0.9	14

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19	The Influence of Adhesive Compounds Biochemical Modification on the Mechanical Properties of Adhesive Joints. <i>Polymers</i> , 2018, 10, 344.	2.0	14
20	Bioactivity and Mycochemical Profile of Extracts from Mycelial Cultures of <i>Ganoderma</i> spp.. <i>Molecules</i> , 2022, 27, 275.	1.7	14
21	Effective Stimulation of the Biotechnological Potential of the Medicinal White Rot Fungus: <i>Phellinus pini</i> by Menadione-Mediated Oxidative Stress. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 644-656.	1.4	12
22	Effect of different wavelengths of light on laccase, cellobiose dehydrogenase, and proteases produced by <i>Cerrena unicolor</i> , <i>Pycnoporus sanguineus</i> and <i>Phlebia lindtneri</i> .. <i>Acta Biochimica Polonica</i> , 2016, 63, 223-8.	0.3	12
23	The Influence of Biochemical Modification on the Properties of Adhesive Compounds. <i>Polymers</i> , 2017, 9, 9.	2.0	12
24	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
25	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
26	Phytopathogenic Cercosporoid Fungi – From Taxonomy to Modern Biochemistry and Molecular Biology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8555.	1.8	10
27	Low-Molecular-Weight Secondary Metabolites from Fungi: <i>Cerrena unicolor</i> as a New Proposal of an Effective Preparation against <i>Rhabditis</i> Nematodes. <i>Molecules</i> , 2022, 27, 1660.	1.7	10
28	Novel trypsin inhibitors from the white rot fungus <i>Abortiporus biennis</i> . Partial purification and characterization. <i>Biochemistry (Moscow)</i> , 2009, 74, 226-230.	0.7	9
29	<i>Heterobasidion annosum</i> Induces Apoptosis in DLD-1 Cells and Decreases Colon Cancer Growth in In Vivo Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3447.	1.8	9
30	<i>Cerrena unicolor</i> Laccases, Genes Expression and Regulation of Activity. <i>Biomolecules</i> , 2021, 11, 468.	1.8	9
31	Stimulation of the Antioxidative and Antimicrobial Potential of the Blood Red Bracket Mushroom <i>Pycnoporus sanguineus</i> (Higher Basidiomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2015, 17, 701-712.	0.9	9
32	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
33	Implanted bisphosphonates in bone cement affect bone markers in rat serum. <i>International Orthopaedics</i> , 2013, 37, 969-974.	0.9	7
34	Natural microbial polysaccharides as effective factors for modification of the catalytic properties of fungal cellobiose dehydrogenase. <i>Archives of Microbiology</i> , 2021, 203, 4433-4448.	1.0	7
35	Antimelanomic Effects of High- and Low-Molecular Weight Bioactive Subfractions Isolated from the Mossy Maze Mushroom, <i>Cerrena unicolor</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2017, 19, 619-628.	0.9	7
36	Effect of exopolysaccharide from <i>Ganoderma applanatum</i> on the electrical properties of mouse fibroblast cells line L929 culture using an electric cell-substrate impedance sensing (ECIS) – Preliminary study. <i>Annals of Agricultural and Environmental Medicine</i> , 2016, 23, 280-284.	0.5	7

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37	Stimulation of the activity of a novel tannase produced in white rot fungi <i>Phellinus pini</i> , <i>Fomes fomentarius</i> , and <i>Tyromyces pubescens</i> by medium supplementation. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 652-658.	1.4	6
38	(1 α '3)- β -D-Glucan from Fruiting Body and Mycelium of <i>Cerrena unicolor</i> (Bull.) Murrill: Structural Characterization and Use as a Novel Inducer of Mutanase. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-9.	1.2	6
39	Combined Effect of Light and Nutrients on the Micromorphology of the White rot Fungus <i>Cerrena unicolor</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 1678.	1.8	6
40	Pro-Health and Anti-Cancer Activity of Fungal Fractions Isolated from Milk-Supplemented Cultures of <i>Lentinus</i> (<i>Pleurotus</i>) <i>Sajor-caju</i> . <i>Biomolecules</i> , 2021, 11, 1089.	1.8	6
41	Effective and complex stimulation of the biodegradation system of fungus <i>Cerrena unicolor</i> by rapeseed meal fermentation. <i>Acta Biochimica Polonica</i> , 2016, 63, 549-54.	0.3	6
42	Proteolytic modifications of laccase from <i>Cerrena unicolor</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 330-338.	1.8	5
43	Aqueous extracts of jet-black ant <i>Lasius fuliginosus</i> nests for controlling nosemosis, a disease of honeybees caused by fungi of the genus <i>Nosema</i> . , 2020, 87, 770-780.		5
44	Applications of Fungal Polysaccharides. , 2021, , 613-628.		5
45	Chemopreventive activity of bioactive fungal fractions isolated from milk-supplemented cultures of <i>Cerrena unicolor</i> and <i>Pycnoporus sanguineus</i> on colon cancer cells. <i>3 Biotech</i> , 2021, 11, 5.	1.1	5
46	Light-regulated synthesis of extra- and intracellular enzymes related to wood degradation by the white rot fungus <i>Cerrena unicolor</i> during solid-state fermentation on ash sawdust-based medium. <i>Acta Biochimica Polonica</i> , 2019, 66, 419-425.	0.3	4
47	Complex Biochemical Analysis of Fruiting Bodies from Newly Isolated Polish <i>Flammulina velutipes</i> Strains. <i>Polish Journal of Microbiology</i> , 2016, 65, 295-306.	0.6	4
48	A Mutation in the <i>Mesorhizobium loti</i> oatB Gene Alters the Physicochemical Properties of the Bacterial Cell Wall and Reduces Survival inside <i>Acanthamoeba castellanii</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 3510.	1.8	3
49	Interactions between biofiller-modified polymeric composites and wood-rotting fungi in terms of their biotechnological applications. <i>Industrial Crops and Products</i> , 2022, 186, 115125.	2.5	3
50	Lighting Conditions Influence the Dynamics of Protease Synthesis and Proteasomal Activity in the White Rot Fungus <i>Cerrena unicolor</i> . <i>Biomolecules</i> , 2020, 10, 1322.	1.8	2
51	<i>Lasius fuliginosus</i> Nest Carton as a Source of New Promising Bioactive Extracts with Chemopreventive Potential. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4392.	1.8	2
52	Thromboelastometric Analysis of Anticancer <i>Cerrena unicolor</i> Subfractions Reveal Their Potential as Fibrin Glue Drug Carrier Enhancers. <i>Biomolecules</i> , 2021, 11, 1263.	1.8	2
53	Determination of Pamidronate in Bisphosphonate-Enriched Bone Cement by Ion-Pair Hplc and Capillary Electrophoresis. <i>Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach</i> , 2013, 57, 257-262.	0.4	1
54	The presence of pamidronate in bone cement affects serum biochemical markers in the rat. <i>Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach</i> , 2014, 58, 295-299.	0.4	0

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55	Effect of bisphosphonates on selected markers of bone turnover in patients after total knee arthroplasty. <i>International Orthopaedics</i> , 2022, , .	0.9	0