

Przemysław Bernat

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,357
citations

279798

23
h-index

434195

31
g-index

73
all docs

73
docs citations

73
times ranked

1465
citing authors

#	ARTICLE	IF	CITATIONS
1	Malachite green decolorization by non-basidiomycete filamentous fungi of <i>Penicillium pinophilum</i> and <i>Myrothecium roridum</i> . <i>International Biodeterioration and Biodegradation</i> , 2012, 73, 33-40.	3.9	66
2	Structural identification of lipopeptide biosurfactants produced by <i>Bacillus subtilis</i> strains grown on the media obtained from renewable natural resources. <i>Journal of Environmental Management</i> , 2018, 209, 65-70.	7.8	66
3	Detection of biosurfactants in <i>Bacillus</i> species: genes and products identification. <i>Journal of Applied Microbiology</i> , 2015, 119, 1023-1034.	3.1	53
4	Effect of Nickel on Membrane Integrity, Lipid Peroxidation and Fatty Acid Composition in Wheat Seedlings. <i>Journal of Agronomy and Crop Science</i> , 2012, 198, 286-294.	3.5	49
5	Surfactants of microbial origin as antibiofilm agents. <i>International Journal of Environmental Health Research</i> , 2021, 31, 401-420.	2.7	45
6	Tributyltin (TBT) induces oxidative stress and modifies lipid profile in the filamentous fungus <i>Cunninghamella elegans</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 4228-4235.	5.3	44
7	Lipid composition in a strain of <i>Bacillus subtilis</i> , a producer of iturin A lipopeptides that are active against uropathogenic bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 157.	3.6	44
8	2,4-dichlorophenoxyacetic acid-induced oxidative stress: Metabolome and membrane modifications in <i>Umbelopsis isabellina</i> , a herbicide degrader. <i>PLoS ONE</i> , 2018, 13, e0199677.	2.5	42
9	Ametryn removal by <i>Metarhizium brunneum</i> : Biodegradation pathway proposal and metabolic background revealed. <i>Chemosphere</i> , 2018, 190, 174-183.	8.2	38
10	Biogenic nanosilver synthesized in <i>Metarhizium robertsii</i> waste mycelium extract – As a modulator of <i>Candida albicans</i> morphogenesis, membrane lipidome and biofilm. <i>PLoS ONE</i> , 2018, 13, e0194254.	2.5	35
11	Atrazine biodegradation by mycoinsecticide <i>Metarhizium robertsii</i> : Insights into its amino acids and lipids profile. <i>Journal of Environmental Management</i> , 2020, 262, 110304.	7.8	34
12	Elimination and detoxification of 2,4-D by <i>Umbelopsis isabellina</i> with the involvement of cytochrome P450. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2738-2743.	5.3	33
13	A Crucial Role for Ergosterol in Plasma Membrane Composition, Localisation, and Activity of Cdr1p and H ⁺ -ATPase in <i>Candida albicans</i> . <i>Microorganisms</i> , 2019, 7, 378.	3.6	33
14	Acceleration of tributyltin chloride (TBT) degradation in liquid cultures of the filamentous fungus <i>Cunninghamella elegans</i> . <i>Chemosphere</i> , 2006, 62, 3-8.	8.2	32
15	Potential of <i>Trichoderma koningii</i> to eliminate alachlor in the presence of copper ions. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 1-9.	6.0	30
16	Lipid peroxidation in the fungus <i>Curvularia lunata</i> exposed to nickel. <i>Archives of Microbiology</i> , 2010, 192, 135-141.	2.2	29
17	Efficient alachlor degradation by the filamentous fungus <i>Paecilomyces marquandii</i> with simultaneous oxidative stress reduction. <i>Bioresource Technology</i> , 2015, 197, 404-409.	9.6	28
18	Effect of nickel, copper, and zinc on emulsifier production and saturation of cellular fatty acids in the filamentous fungus <i>Curvularia lunata</i> . <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 100-105.	3.9	27

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19	Lipid composition and cell surface hydrophobicity of <i>Candida albicans</i> influence the efficacy of fluconazole-gentamicin treatment. <i>Yeast</i> , 2020, 37, 117-129.	1.7	27
20	Butyltins degradation by <i>Cunninghamella elegans</i> and <i>Cochliobolus lunatus</i> co-culture. <i>Journal of Hazardous Materials</i> , 2013, 246-247, 277-282.	12.4	26
21	Agricultural potential of rhizospheric <i>Bacillus subtilis</i> strains exhibiting varied efficiency of surfactin production. <i>Scientia Horticulturae</i> , 2017, 225, 802-809.	3.6	26
22	Quinoline biodegradation by filamentous fungus <i>Cunninghamella elegans</i> and adaptive modifications of the fungal membrane composition. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8872-8880.	5.3	24
23	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1971-1974.	2.2	23
24	Tributyltin chloride interactions with fatty acids composition and degradation ability of the filamentous fungus <i>Cunninghamella elegans</i> . <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 133-136.	3.9	22
25	Simultaneous toxic action of zinc and alachlor resulted in enhancement of zinc uptake by the filamentous fungus <i>Paecilomyces marquandii</i> . <i>Science of the Total Environment</i> , 2009, 407, 4127-4133.	8.0	22
26	Estradiol improves tributyltin degradation by the filamentous fungus <i>Metarhizium robertsii</i> . <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 258-263.	3.9	20
27	<i>Trichoderma harzianum</i> diminished oxidative stress caused by 2,4-dichlorophenoxyacetic acid (2,4-D) in wheat, with insights from lipidomics. <i>Journal of Plant Physiology</i> , 2018, 229, 158-163.	3.5	18
28	Malachite green removal from aqueous solution using the system rapeseed press cake and fungus <i>Myrothecium roridum</i> . <i>Desalination and Water Treatment</i> , 2013, 51, 7663-7671.	1.0	16
29	Carbazole hydroxylation by the filamentous fungi of the <i>Cunninghamella</i> species. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19658-19666.	5.3	16
30	Antibacterial activity of high concentrations of carvedilol against Gram-positive and Gram-negative bacteria. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 458-467.	2.5	16
31	Lipidomic adaptations of the <i>Metarhizium robertsii</i> strain in response to the presence of butyltin compounds. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 316-326.	2.6	16
32	Adaptive alterations in the fatty acids composition under induced oxidative stress in heavy metal-tolerant filamentous fungus <i>Paecilomyces marquandii</i> cultured in ascorbic acid presence. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3423-3434.	5.3	15
33	Biotransformation and detoxification of chloroacetanilide herbicides by <i>Trichoderma</i> spp. with plant growth-promoting activities. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 216-226.	3.6	15
34	<i>Trichoderma harzianum</i> metabolites disturb <i>Fusarium culmorum</i> metabolism: Metabolomic and proteomic studies. <i>Microbiological Research</i> , 2021, 249, 126770.	5.3	15
35	Phospholipids and protein adaptation of <i>Pseudomonas</i> sp. to the xenoestrogen tributyltin chloride (TBT). <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 2343-2350.	3.6	14
36	Synthesis of silver nanoparticles by <i>Bacillus subtilis</i> growing on agro-industrial wastes and producing biosurfactant. <i>IET Nanobiotechnology</i> , 2016, 10, 62-68.	3.8	14

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37	Microbial detoxification of carvedilol, a β_2 -adrenergic antagonist, by the filamentous fungus <i>Cunninghamella echinulata</i> . <i>Chemosphere</i> , 2017, 183, 18-26.	8.2	14
38	Assessment of oxidative stress and phospholipids alterations in chloroacetanilides-degrading <i>Trichoderma</i> spp. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109629.	6.0	14
39	Application of microscopic fungi isolated from polluted industrial areas for polycyclic aromatic hydrocarbons and pentachlorophenol reduction. <i>Biodegradation</i> , 2003, 14, 1-8.	3.0	13
40	Isolation of <i>Streptomyces</i> sp. strain capable of butyltin compounds degradation with high efficiency. <i>Journal of Hazardous Materials</i> , 2009, 171, 660-664.	12.4	13
41	Characterisation of the wheat phospholipid fraction in the presence of nickel and/or selenium. <i>Plant Growth Regulation</i> , 2014, 72, 163-170.	3.4	13
42	Fungal transformation of 17β -ethinylestradiol in the presence of various concentrations of sodium chloride. <i>International Biodeterioration and Biodegradation</i> , 2015, 103, 77-84.	3.9	13
43	Characterization of Extracellular Biosurfactants Expressed by a <i>Pseudomonas putida</i> Strain Isolated from the Interior of Healthy Roots from <i>Sida hermaphrodita</i> Grown in a Heavy Metal Contaminated Soil. <i>Current Microbiology</i> , 2019, 76, 1320-1329.	2.2	13
44	Silver nanoparticles formed in bio- and chemical syntheses with biosurfactant as the stabilizing agent. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1647-1655.	2.4	12
45	Capric acid secreted by <i>Saccharomyces boulardii</i> influences the susceptibility of <i>Candida albicans</i> to fluconazole and amphotericin B. <i>Scientific Reports</i> , 2021, 11, 6519.	3.3	12
46	Comparative study of fatty acids composition during cortexolone hydroxylation and tributyltin chloride (TBT) degradation in the filamentous fungus <i>Cunninghamella elegans</i> . <i>International Biodeterioration and Biodegradation</i> , 2012, 74, 1-6.	3.9	11
47	Metabolic Potential, Ecology and Presence of Associated Bacteria Is Reflected in Genomic Diversity of <i>Mucromycotina</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 636986.	3.5	11
48	Lactate Like Fluconazole Reduces Ergosterol Content in the Plasma Membrane and Synergistically Kills <i>Candida albicans</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 5219.	4.1	11
49	Action of Tributyltin (TBT) on the Lipid Content and Potassium Retention in the Organotins Degrading Fungus <i>Cunninghamella elegans</i> . <i>Current Microbiology</i> , 2009, 59, 315-320.	2.2	10
50	Kinetics of Biological Removal of the Selected Micropollutants and Their Effect on Activated Sludge Biomass. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 356.	2.4	10
51	Lipids, proteins and extracellular metabolites of <i>Trichoderma harzianum</i> modifications caused by 2,4-dichlorophenoxyacetic acid as a plant growth stimulator. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110383.	6.0	10
52	Environmental and molecular approach to dye industry waste degradation by the ascomycete fungus <i>Nectriella pironii</i> . <i>Scientific Reports</i> , 2021, 11, 23829.	3.3	10
53	Estrogen-mediated protection of the organotin-degrading strain <i>Metarhizium robertsii</i> against oxidative stress promoted by monobutyltin. <i>Chemosphere</i> , 2017, 185, 96-104.	8.2	9
54	An In Vitro Study of the Effect of <i>Viburnum opulus</i> Extracts on Key Processes in the Development of Staphylococcal Infections. <i>Molecules</i> , 2021, 26, 1758.	3.8	9

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55	Potential of <i>Trichoderma harzianum</i> and Its Metabolites to Protect Wheat Seedlings against <i>Fusarium culmorum</i> and 2,4-D. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13058.	4.1	9
56	Poly-Saturated Dolichols from Filamentous Fungi Modulate Activity of Dolichol-Dependent Glycosyltransferase and Physical Properties of Membranes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3043.	4.1	8
57	K143R Amino Acid Substitution in 14- α -Demethylase (Erg11p) Changes Plasma Membrane and Cell Wall Structure of <i>Candida albicans</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1631.	4.1	7
58	Use of Styrene as Sole Carbon Source by the Fungus <i>Exophiala oligosperma</i> : Optimization and Modeling of Biodegradation, Pathway Elucidation, and Cell Membrane Composition. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1351-1371.	2.9	6
59	Membrane-related hallmarks of kinetin-induced PCD of root cortex cells. <i>Plant Cell Reports</i> , 2017, 36, 343-353.	5.6	6
60	Acetamidrid Affects <i>Destruxins</i> Production but Its Accumulation in <i>Metarhizium</i> sp. Spores Increases Infection Ability of Fungi. <i>Toxins</i> , 2020, 12, 587.	3.4	6
61	Effect of Quinoline on the Phospholipid Profile of <i>Curvularia lunata</i> and Its Microbial Detoxification. <i>Molecules</i> , 2022, 27, 2081.	3.8	6
62	Biodegradation of octyltin compounds by <i>Cochliobolus lunatus</i> and influence of xenobiotics on fungal fatty acid composition. <i>Process Biochemistry</i> , 2014, 49, 295-300.	3.7	5
63	Comparative study of metal induced phospholipid modifications in the heavy metal tolerant filamentous fungus <i>Paecilomyces marquandii</i> and implications for the fungal membrane integrity. <i>Acta Biochimica Polonica</i> , 2013, 60, 695-700.	0.5	5
64	Efficient dibutyltin (DBT) elimination by the microscopic fungus <i>Metarhizium robertsii</i> under conditions of intensive aeration and ascorbic acid supplementation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12118-12127.	5.3	4
65	Increased activity of the sterol branch of the mevalonate pathway elevates glycosylation of secretory proteins and improves antifungal properties of <i>Trichoderma atroviride</i> . <i>Fungal Genetics and Biology</i> , 2020, 137, 103334.	2.1	4
66	Lipidomic response of the entomopathogenic fungus <i>Beauveria bassiana</i> to pyrethroids. <i>Scientific Reports</i> , 2021, 11, 21319.	3.3	4
67	Molecular Mechanisms of <i>Leonurus Cardiaca</i> L. Extract Activity in Prevention of Staphylococcal Endocarditis – Study on in Vitro and ex Vivo Models. <i>Molecules</i> , 2019, 24, 3318.	3.8	2
68	Phospholipids and Fatty Acids Affect the Colonization of Urological Catheters by <i>Proteus mirabilis</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 8452.	4.1	2
69	Lipidomics in Studies on Adaptation Mechanisms of Microorganisms to the Toxic Effects of Hazardous Compounds. , 2016, , 85-98.		1
70	Synthesis of Dolichols in <i>Candida albicans</i> Is Co-Regulated with Elongation of Fatty Acids. <i>International Journal of Molecular Sciences</i> , 2022, 23, 409.	4.1	1
71	MS/MS analysis as a tool for oxidative stress biomarker identification and profiling. <i>New Biotechnology</i> , 2016, 33, S22.	4.4	0