Jerzy DÅ‚ugoÅ„ski

List of Publications by Year
in descending order

66 papers	1,351 citations	279798 23 h-index	414414 32 g-index
68 all docs	68 docs citations	68 times ranked	1212 citing authors

#	Article	IF	Citations
1	Ecotoxicological Estimation of 4-Cumylphenol, 4-t-Octylphenol, Nonylphenol, and Volatile Leachate Phenol Degradation by the Microscopic Fungus Umbelopsis isabellina Using a Battery of Biotests. International Journal of Environmental Research and Public Health, 2022, 19, 4093.	2.6	4
2	Environmental and molecular approach to dye industry waste degradation by the ascomycete fungus Nectriella pironii. Scientific Reports, 2021, 11, 23829.	3.3	10
3	Laccase activity of the ascomycete fungus Nectriella pironii and innovative strategies for its production on leaf litter of an urban park. PLoS ONE, 2020, 15, e0231453.	2.5	25
4	Analysis of decolorization potential of Myrothecium roridum in the light of its secretome and toxicological studies. Environmental Science and Pollution Research, 2019, 26, 26313-26323.	5.3	21
5	Poly-Saturated Dolichols from Filamentous Fungi Modulate Activity of Dolichol-Dependent Glycosyltransferase and Physical Properties of Membranes. International Journal of Molecular Sciences, 2019, 20, 3043.	4.1	8
6	A proteomic study of Cunninghamella echinulata recovery during exposure to tributyltin. Environmental Science and Pollution Research, 2019, 26, 32545-32558.	5.3	5
7	Characteristics And Use Of Multicopper Oxidases Enzymes. Postepy Mikrobiologii, 2019, 58, 7-18.	0.1	7
8	Metabolomics of the recovery of the filamentous fungus Cunninghamella echinulata exposed to tributyltin. International Biodeterioration and Biodegradation, 2018, 127, 130-138.	3.9	10
9	Novel laccase-like multicopper oxidases from the fungus Myrothecium roridum - production enhancement, identification and application in dyes removal. Acta Biochimica Polonica, 2018, 65, 287-295.	0.5	14
10	Detoxification and simultaneous removal of phenolic xenobiotics and heavy metals with endocrine-disrupting activity by the non-ligninolytic fungus Umbelopsis isabellina. Journal of Hazardous Materials, 2018, 360, 661-669.	12.4	32
11	Synthesis of silver nanoparticles from Metarhizium robertsii waste biomass extract after nonylphenol degradation, and their antimicrobial and catalytic potential. RSC Advances, 2016, 6, 21475-21485.	3.6	18
12	Tributyltin (TBT) biodegradation induces oxidative stress of Cunninghamella echinulata. International Biodeterioration and Biodegradation, 2016, 107, 92-101.	3.9	20
13	Degradation and toxicity reduction of the endocrine disruptors nonylphenol, 4-tert-octylphenol and 4-cumylphenol by the non-ligninolytic fungus Umbelopsis isabellina. Bioresource Technology, 2016, 200, 223-229.	9.6	55
14	Microbial Elimination of Endocrine Disrupting Compounds. , 2016, , 99-118.		1
15	Dyes Decolourisation and Degradation by Microorganisms. , 2016, , 119-142.		5
16	Estradiol improves tributyltin degradation by the filamentous fungus Metarhizium robertsii. International Biodeterioration and Biodegradation, 2015, 104, 258-263.	3.9	20
17	Malachite green decolorization by the filamentous fungus Myrothecium roridum â€“ Mechanistic study and process optimization. Bioresource Technology, 2015, 194, 43-48.	9.6	47
18	Mechanism study of alachlor biodegradation by Paecilomyces marquandii with proteomic and metabolomic methods. Journal of Hazardous Materials, 2015, 291, 52-64.	12.4	54

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19	Biodegradation of nonylphenol by a novel entomopathogenic Metarhizium robertsii strain. Bioresource Technology, 2015, 191, 166-172.	9.6	31
20	Fungal transformation of 17Î±-ethinylestradiol in the presence ofÂvarious concentrations of sodium chloride. International Biodeterioration and Biodegradation, 2015, 103, 77-84.	3.9	13
21	Efficient alachlor degradation by the filamentous fungus Paecilomyces marquandii with simultaneous oxidative stress reduction. Bioresource Technology, 2015, 197, 404-409.	9.6	28
22	Microbial Decolorization of Triphenylmethane Dyes. Environmental Science and Engineering, 2015, , 169-186.	0.2	5
23	Phospholipids and protein adaptation of Pseudomonas sp. to the xenoestrogen tributyltin chloride (TBT). World Journal of Microbiology and Biotechnology, 2014, 30, 2343-2350.	3.6	14
24	Biodegradation and utilization of 4-n-nonylphenol by Aspergillus versicolor as a sole carbon and energy source. Journal of Hazardous Materials, 2014, 280, 678-684.	12.4	28
25	Metarhizium robertsii morphological flexibility during nonylphenol removal. International Biodeterioration and Biodegradation, 2014, 95, 285-293.	3.9	19
26	Tributyltin (TBT) induces oxidative stress and modifies lipid profile in the filamentous fungus Cunninghamella elegans. Environmental Science and Pollution Research, 2014, 21, 4228-4235.	5.3	44
27	Intracellular proteome expression during 4-n-nonylphenol biodegradation by the filamentous fungus Metarhizium robertsii. International Biodeterioration and Biodegradation, 2014, 93, 44-53.	3.9	36
28	Butyltins degradation by Cunninghamella elegans and Cochliobolus lunatus co-culture. Journal of Hazardous Materials, 2013, 246-247, 277-282.	12.4	26
29	Detoxification and elimination of xenoestrogen nonylphenol by the filamentous fungus Aspergillus versicolor. International Biodeterioration and Biodegradation, 2013, 82, 59-66.	3.9	21
30	Alachlor oxidation by the filamentous fungus Paecilomyces marquandii. Journal of Hazardous Materials, 2013, 261, 443-450.	12.4	28
31	Adaptive alterations in the fatty acids composition under induced oxidative stress in heavy metal-tolerant filamentous fungus Paecilomyces marquandii cultured in ascorbic acid presence. Environmental Science and Pollution Research, 2013, 20, 3423-3434.	5.3	15
32	Utilization of 4-n-nonylphenol by Metarhizium sp. isolates. Acta Biochimica Polonica, 2013, 60, 677-82.	0.5	6
33	Comparative study of metal induced phospholipid modifications in the heavy metal tolerant filamentous fungus Paecilomyces marquandii and implications for the fungal membrane integrity. Acta Biochimica Polonica, 2013, 60, 695-700.	0.5	5
34	Comparative study of fatty acids composition during cortexolone hydroxylation and tributyltin chloride (TBT) degradation in the filamentous fungus Cunninghamella elegans. International Biodeterioration and Biodegradation, 2012, 74, 1-6.	3.9	11
35	Use of Styrene as Sole Carbon Source by the Fungus Exophiala oligosperma: Optimization and Modeling of Biodegradation, Pathway Elucidation, and Cell Membrane Composition. Applied Biochemistry and Biotechnology, 2012, 168, 1351-1371.	2.9	6
36	Malachite green decolorization by non-basidiomycete filamentous fungi of Penicillium pinophilum and Myrothecium roridum. International Biodeterioration and Biodegradation, 2012, 73, 33-40.	3.9	66

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37	Di(n-butyl) phthalate has no effect on the rat prepubertal testis despite its estrogenic activity in vitro. Folia Histochemica Et Cytobiologica, 2012, 49, 685-689.	1.5	10
38	Efficient Zn2+ and Pb2+ uptake by filamentous fungus Paecilomyces marquandii with engagement of metal hydrocarbonates precipitation. International Biodeterioration and Biodegradation, 2011, 65, 954-960.	3.9	25
39	Lipid peroxidation in the fungus Curvularia lunata exposed to nickel. Archives of Microbiology, 2010, 192, 135-141.	2.2	29
40	Biodegradation of 4-n-nonylphenol by the non-ligninolytic filamentous fungus Gliocephalotrichum simplex: A proposal of a metabolic pathway. Journal of Hazardous Materials, 2010, 180, 323-331.	12.4	53
41	Simultaneous toxic action of zinc and alachlor resulted in enhancement of zinc uptake by the filamentous fungus Paecilomyces marquandii. Science of the Total Environment, 2009, 407, 4127-4133.	8.0	22
42	Action of Tributyltin (TBT) on the Lipid Content and Potassium Retention in the Organotins Degradating Fungus Cunninghamella elegans. Current Microbiology, 2009, 59, 315-320.	2.2	10
43	Effect of nickel, copper, and zinc on emulsifier production and saturation of cellular fatty acids in the filamentous fungus Curvularia lunata. International Biodeterioration and Biodegradation, 2009, 63, 100-105.	3.9	27
44	Pentachlorophenol and spent engine oil degradation by Mucor ramosissimus. International Biodeterioration and Biodegradation, 2009, 63, 123-129.	3.9	28
45	Isolation of Streptomyces sp. strain capable of butyltin compounds degradation with high efficiency. Journal of Hazardous Materials, 2009, 171, 660-664.	12.4	13
46	Calorimetric detection of the toxic effect of androgens on fission yeast. Thermochimica Acta, 2008, 474, 91-94.	2.7	2
47	Tributyltin chloride interactions with fatty acids composition and degradation ability of the filamentous fungus Cunninghamella elegans. International Biodeterioration and Biodegradation, 2007, 60, 133-136.	3.9	22
48	Enhancement of emulsifier production by Curvularia lunata in cadmium, zinc and lead presence. BioMetals, 2007, 20, 797-805.	4.1	31
49	Acceleration of tributyltin chloride (TBT) degradation in liquid cultures of the filamentous fungus Cunninghamella elegans. Chemosphere, 2006, 62, 3-8.	8.2	32
50	The effect of the corticosteroid hormone cortexolone on the metabolites produced during phenanthrene biotransformation in Cunninghamella elegans. Chemosphere, 2006, 64, 1499-1506.	8.2	15
51	The expression of cytochrome P-450 and cytochrome P-450 reductase genes in the simultaneous transformation of corticosteroids and phenanthrene byCunninghamella elegans. FEMS Microbiology Letters, 2006, 261, 175-180.	1.8	15
52	An unstructured model for studies on phenanthrene bioconversion by filamentous fungus Cunninghamella elegans. Enzyme and Microbial Technology, 2006, 39, 1464-1470.	3.2	7
53	Detoxification of phenanthrene by C. elegans evaluated by calorimetry. Thermochimica Acta, 2005, 430, 43-46.	2.7	4
54	Kinetic study of the toxicity of zinc and lead ions to the heavy metals accumulating fungus Paecilomyces marquandii. Bioprocess and Biosystems Engineering, 2005, 28, 185-197.	3.4	12

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55	Zinc and lead uptake by mycelium and regenerating protoplasts of Verticillium marquandii. World Journal of Microbiology and Biotechnology, 2004, 20, 323-328.	3.6	8
56	Application of microscopic fungi isolated from polluted industrial areas for polycyclic aromatic hydrocarbons and pentachlorophenol reduction. Biodegradation, 2003, 14, 1-8.	3.0	13
57	Concurrent corticosteroid and phenanthrene transformation by filamentous fungus Cunninghamella elegans. Journal of Steroid Biochemistry and Molecular Biology, 2003, 85, 63-69.	2.5	23
58	Emulsifier production by steroid transforming filamentous fungus Curvularia lunata. Growth and product characterization. Journal of Biotechnology, 2002, 92, 287-294.	3.8	59
59	Title is missing!. Biotechnology Letters, 2002, 24, 1971-1974.	2.2	23
60	Title is missing!. , 2000, 22, 1699-1704.		10
61	Removal of anthracene and phenanthrene by filamentous fungi capable of cortexolone 11-hydroxylation. Journal of Basic Microbiology, 1999, 39, 117-125.	3.3	20
62	Deleterious effects of androstenedione on growth and cell morphology of Schizosaccharomyces pombe. , 1998, 73, 189-194.		21
63	Bacterial elimination of polycyclic aromatic hydrocarbons and heavy metals. Journal of Basic Microbiology, 1998, 38, 361-369.	3.3	11
64	Cortexolone 11Î²-hydroxylation in protoplasts of Curvularia lunata. Journal of Biotechnology, 1998, 65, 217-224.	3.8	24
65	Transformation of steroids by fungal protoplasts. Applied Microbiology and Biotechnology, 1984, 20, 166-169.	3.6	18
66	Application of Fungal Waste Biomass Originating from Steroid Hormone Manufacture for Heavy Metals Removal. Acta Universitatis Lodziensis Folia Biologica Et Oecologica, 0, 5, 5-19.	1.0	1