

Yosuke Iimura

List of Publications by Year in descending order

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26
papers

573
citations

567144

15
h-index

610775

24
g-index

26
all docs

26
docs citations

26
times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Transgenic tobacco expressing fungal laccase promotes the detoxification of environmental pollutants. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 138-142.	1.7	76
2	N-linked carbohydrate chains protect laccase III from proteolysis in <i>Coriolus versicolor</i> . <i>Journal of General Microbiology</i> , 1993, 139, 179-185.	2.3	56
3	Biodegradation of polycyclic aromatic hydrocarbons by <i>Sphingomonas</i> sp. enhanced by water-extractable organic matter from manure compost. <i>Science of the Total Environment</i> , 2009, 407, 5805-5810.	3.9	52
4	Dechlorination of tetrachloroguaiacol by laccase of white-rot basidiomycete <i>Coriolus versicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 1996, 45, 434-439.	1.7	48
5	Expression of a gene for Mn-peroxidase from <i>Coriolus versicolor</i> in transgenic tobacco generates potential tools for phytoremediation. <i>Applied Microbiology and Biotechnology</i> , 2002, 59, 246-251.	1.7	47
6	Application of aqueous saponin on the remediation of polycyclic aromatic hydrocarbons-contaminated soil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1138-1145.	0.9	37
7	Heterologous expression of <i>Trametes versicolor</i> laccase in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 2018, 141, 39-43.	0.6	30
8	Overproduction of recombinant laccase using a homologous expression system in <i>Coriolus versicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 2004, 66, 194-199.	1.7	25
9	Influence of compost amendment on pyrene availability from artificially spiked soil to two subspecies of <i>Cucurbita pepo</i> . <i>Science of the Total Environment</i> , 2008, 404, 1-9.	3.9	25
10	Isolation of mRNAs induced by a hazardous chemical in white-rot fungus, <i>Coriolus versicolor</i> , by differential display. <i>FEBS Letters</i> , 1997, 412, 370-374.	1.3	24
11	Treatment of PAHs in contaminated soil by extraction with aqueous DNA followed by biodegradation with a pure culture of <i>Sphingomonas</i> sp.. <i>Chemosphere</i> , 2008, 73, 1414-1419.	4.2	23
12	Removal of Polycyclic Aromatic Hydrocarbons from Contaminated Soil by Aqueous DNA Solution. <i>Environmental Science & Technology</i> , 2007, 41, 4240-4245.	4.6	22
13	Hybrid aspen with a transgene for fungal manganese peroxidase is a potential contributor to phytoremediation of the environment contaminated with bisphenol A. <i>Journal of Wood Science</i> , 2007, 53, 541-544.	0.9	18
14	Degradation and Solubilization of ¹³ C-, ¹⁴ C-side Chain Labeled Synthetic Lignin (Dehydrogenative Polymerizate) by Laccase III of <i>Coriolus versicolor</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 903-905.	0.6	16
15	Specific degradation of 2-aryl ether linkage in synthetic lignin (dehydrogenative polymerizate) by bacterial enzymes of <i>Sphingomonas paucimobilis</i> SYK-6 produced in recombinant <i>Escherichia coli</i> . <i>Journal of Wood Science</i> , 2002, 48, 429-433.	0.9	16
16	Application of fungal laccase fused with cellulose-binding domain to develop low-lignin rice plants. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 616-619.	1.1	14
17	Molecular cloning of the promoter region of the glyceraldehyde-3-phosphate dehydrogenase gene that contributes to the construction of a new transformation system in <i>Coriolus versicolor</i> . <i>Mycoscience</i> , 2004, 45, 131-136.	0.3	9
18	Bacterial Community Coexisting with White-Rot Fungi in Decayed Wood in Nature. <i>Current Microbiology</i> , 2021, 78, 3212-3217.	1.0	8

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19	Overexpression of a fungal laccase gene induces nondehiscent anthers and morphological changes in flowers of transgenic tobacco. <i>Journal of Wood Science</i> , 2010, 56, 460-469.	0.9	6
20	Expression of a fungal laccase fused with a bacterial cellulose-binding module improves the enzymatic saccharification efficiency of lignocellulose biomass in transgenic <i>Arabidopsis thaliana</i> . <i>Transgenic Research</i> , 2017, 26, 753-761.	1.3	5
21	Generation of transgenic hybrid aspen that express a bacterial gene for feruloyl-CoA hydratase/lyase (FerB), which is involved in lignin degradation in <i>Sphingomonas paucimobilis</i> SYK-6. <i>Journal of Wood Science</i> , 2004, 50, 275-280.	0.9	4
22	Structure of Genes for Hsp30 from the White-rot fungus <i>Coriolus versicolor</i> and the Increase of their Expression by Heat Shock and Exposure to a Hazardous Chemical. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1567-1570.	0.6	3
23	Nature of bioavailability of DNA-intercalated polycyclic aromatic hydrocarbons to <i>Sphingomonas</i> sp.. <i>Chemosphere</i> , 2010, 80, 866-871.	4.2	3
24	Phytoremediation of Bis-Phenol A via Secretory Fungal Peroxidases Produced by Transgenic Plants. , 2012, , .		3
25	<i>in vitro&/i> regeneration and <i>Agrobacterium&/i>-mediated transformation of male-sterile marigold (<i>Tagetes erecta&/i> L.). <i>Plant Biotechnology</i> , 2017, 34, 125-129.	0.5	2
26	Identification and characterization of levulinyl-CoA synthetase from <i>Pseudomonas citronellolis</i> , which differs phylogenetically from LvaE of <i>Pseudomonas putida</i> . <i>AMB Express</i> , 2019, 9, 127.	1.4	1