

Hung Lee

List of Publications by Year in descending order

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86
papers

4,994
citations

109137

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69
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times ranked

4948
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Bioaugmentation with Anaerobic Fungi Isolated from Ruminants on the Hydrolysis of Corn Silage and <i>Phragmites australis</i> . <i>Applied Sciences</i> (Switzerland), 2021, 11, 9123.	1.3	2
2	Evaluating novel fungal secretomes for efficient saccharification and fermentation of composite sugars derived from hydrolysate and molasses into ethanol. <i>Bioresource Technology</i> , 2019, 273, 114-121.	4.8	29
3	Transfer of plasmid into the pentose-fermenting yeast <i>Pachysolen tannophilus</i> . <i>Journal of Microbiological Methods</i> , 2018, 148, 97-103.	0.7	6
4	Evaluation of propidium monoazide and long-amplicon qPCR as an infectivity assay for coliphage. <i>Journal of Virological Methods</i> , 2016, 238, 48-55.	1.0	12
5	Exceptional hexose-fermenting ability of the xylitol-producing yeast <i>Candida guilliermondii</i> FTI 20037. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 631-637.	1.1	8
6	Deconstructing the genetic basis of spent sulphite liquor tolerance using deep sequencing of genome-shuffled yeast. <i>Biotechnology for Biofuels</i> , 2015, 8, 53.	6.2	25
7	Deletion of <i>hvk1</i> gene results in derepression of xylose utilization in <i>Scheffersomyces stipitis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 889-896.	1.4	12
8	Determinants of tolerance to inhibitors in hardwood spent sulfite liquor in genome shuffled <i>Pachysolen tannophilus</i> strains. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 811-834.	0.7	8
9	Genetic improvement of native xylose-fermenting yeasts for ethanol production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1-20.	1.4	80
10	Mutants of the pentose-fermenting yeast <i>Pachysolen tannophilus</i> tolerant to hardwood spent sulfite liquor and acetic acid. <i>Antonie Van Leeuwenhoek</i> , 2014, 105, 29-43.	0.7	9
11	Transcriptional profiling of <i>Saccharomyces cerevisiae</i> T2 cells upon exposure to hardwood spent sulphite liquor: comparison to acetic acid, furfural and hydroxymethylfurfural. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 1281-1295.	0.7	37
12	Genome Shuffling Protocol for the Pentose-Fermenting Yeast <i>Scheffersomyces stipitis</i> . , 2013, , 447-454.		3
13	Ethanol production from selected lignocellulosic hydrolysates by genome shuffled strains of <i>Scheffersomyces stipitis</i> . <i>Bioresource Technology</i> , 2011, 102, 9965-9969.	4.8	25
14	Isolation and characterization of lead-tolerant <i>Ochrobactrum intermedium</i> and its role in enhancing lead accumulation by <i>Eucalyptus camaldulensis</i> . <i>Chemosphere</i> , 2011, 85, 584-590.	4.2	47
15	<i>Saccharomyces cerevisiae</i> Genome Shuffling through Recursive Population Mating Leads to Improved Tolerance to Spent Sulfite Liquor. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4736-4743.	1.4	52
16	Single chain variable fragment antibodies selected by phage display against the sporozoite surface antigen S16 of <i>Cryptosporidium parvum</i> . <i>Experimental Parasitology</i> , 2010, 125, 124-129.	0.5	10
17	Strain improvement of the pentose-fermenting yeast <i>Pichia stipitis</i> by genome shuffling. <i>Journal of Microbiological Methods</i> , 2010, 81, 179-186.	0.7	64
18	Comparing phenanthrene degradation by alginate-encapsulated and free <i>Pseudomonas</i> sp. UG14Lr cells in heavy metal contaminated soils. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1660-1668.	1.6	6

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19	Mutants of the pentose-fermenting yeast <i>Pichia stipitis</i> with improved tolerance to inhibitors in hardwood spent sulfite liquor. <i>Biotechnology and Bioengineering</i> , 2009, 104, 892-900.	1.7	58
20	Mutational study of the role of N-terminal amino acid residues in tetrachlorohydroquinone reductive dehalogenase from <i>Sphingomonas</i> sp. UG30. <i>Research in Microbiology</i> , 2009, 160, 553-559.	1.0	3
21	Single-Chain Variable Fragment Antibodies Selected by Phage Display Against the Sporozoite Surface Antigen P23 of <i>Cryptosporidium parvum</i> . <i>Journal of Parasitology</i> , 2009, 95, 75-81.	0.3	10
22	Phenanthrene stimulates the degradation of pyrene and fluoranthene by <i>Burkholderia</i> sp. VUN10013. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 523-531.	1.7	30
23	Inhibition of <i>Cryptosporidium parvum</i> infection of a mammalian cell culture by recombinant scFv antibodies. <i>Antonie Van Leeuwenhoek</i> , 2008, 94, 353-364.	0.7	11
24	Molecular targets for detection and immunotherapy in <i>Cryptosporidium parvum</i> . <i>Biotechnology Advances</i> , 2007, 25, 13-44.	6.0	57
25	Genetic improvement of <i>Saccharomyces cerevisiae</i> for xylose fermentation. <i>Biotechnology Advances</i> , 2007, 25, 425-441.	6.0	218
26	Detection of <i>Listeria monocytogenes</i> and the toxin listeriolysin O in food. <i>Journal of Microbiological Methods</i> , 2006, 64, 141-170.	0.7	113
27	Site-directed mutagenesis of the cysteine residues in the <i>Pichia stipitis</i> xylose reductase. <i>FEMS Microbiology Letters</i> , 2006, 147, 227-232.	0.7	18
28	Investigation of the Role of a Conserved Glycine Motif in the <i>Saccharomyces cerevisiae</i> Xylose Reductase. <i>Current Microbiology</i> , 2006, 53, 118-123.	1.0	7
29	The expression of a <i>Pichia stipitis</i> xylose reductase mutant with higher K_M for NADPH increases ethanol production from xylose in recombinant <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2006, 93, 665-673.	1.7	127
30	Full-scale in situ bioremediation of hexachlorocyclohexane-contaminated soil. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 289-298.	1.6	51
31	Effect of carbon starvation on p-nitrophenol degradation by a <i>Moraxella</i> strain in buffer and river water. <i>FEMS Microbiology Ecology</i> , 2005, 51, 237-245.	1.3	26
32	Biodegradation of hexachlorocyclohexane (HCH) by microorganisms. <i>Biodegradation</i> , 2005, 16, 363-392.	1.5	261
33	Toxicity of diesel fuel to germination, growth and colonization of <i>Glomus intraradices</i> in soil and in vitro transformed carrot root cultures. <i>Plant and Soil</i> , 2005, 270, 23-30.	1.8	32
34	The effects of perennial ryegrass and alfalfa on microbial abundance and diversity in petroleum contaminated soil. <i>Environmental Pollution</i> , 2005, 133, 455-465.	3.7	254
35	Methods of studying soil microbial diversity. <i>Journal of Microbiological Methods</i> , 2004, 58, 169-188.	0.7	654
36	Emerging trends in the synthesis and improvement of hapten-specific recombinant antibodies. <i>Biotechnology Advances</i> , 2003, 21, 599-637.	6.0	57

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37	Influence of Temperature on <i>Cryptosporidium parvum</i> Oocyst Infectivity in River Water Samples as Detected by Tissue Culture Assay. <i>Journal of Parasitology</i> , 2002, 88, 641-643.	0.3	26
38	Phytotoxicity Assay to Assess Plant Species for Phytoremediation of Petroleum-Contaminated Soil. <i>Bioremediation Journal</i> , 2002, 6, 57-63.	1.0	45
39	Alterations in fatty acid composition and fluidity of cell membranes affect the accumulation of PCB congener 2,2',5,5'-tetrachlorobiphenyl by <i>Ralstonia eutropha</i> H850. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 793-799.	1.6	21
40	Identification of lysine-78 as an essential residue in the <i>Saccharomyces cerevisiae</i> xylose reductase. <i>FEMS Microbiology Letters</i> , 2002, 209, 223-228.	0.7	256
41	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2002, 18, 17-21.	1.7	8
42	Mutational study of the role of tyrosine-49 in the <i>Saccharomyces cerevisiae</i> xylose reductase. <i>Yeast</i> , 2001, 18, 1081-1089.	0.8	20
43	Effects of 2,2',5,5'-tetrachlorobiphenyl and biphenyl on cell membranes of <i>Ralstonia eutropha</i> H850. <i>FEMS Microbiology Letters</i> , 2001, 200, 17-24.	0.7	52
44	Decrease in <i>Cryptosporidium parvum</i> Oocyst Infectivity In Vitro by Using the Membrane Filter Dissolution Method for Recovering Oocysts from Water Samples. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3309-3313.	1.4	12
45	Synthesis of Ligand-Specific Phage-Display ScFv against the Herbicide Picloram by Direct Cloning from Hyperimmunized Mouse. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 3628-3637.	2.4	37
46	Transport of bacteria on sloping soil surfaces by runoff. <i>Environmental Toxicology</i> , 2000, 15, 149-153.	2.1	46
47	Monitoring biodegradation of creosote in soils using radiolabels, toxicity tests, and chemical analysis. <i>Environmental Toxicology</i> , 2000, 15, 99-106.	2.1	21
48	Using a green fluorescent protein gene-labeled p-nitrophenol-degrading <i>Moraxella</i> strain to examine the protective effect of alginate encapsulation against protozoan grazing. <i>Journal of Microbiological Methods</i> , 2000, 39, 205-211.	0.7	15
49	The role of the <i>Sphingomonas</i> species UG30 pentachlorophenol-4-monooxygenase in p-nitrophenol degradation. <i>FEMS Microbiology Letters</i> , 1999, 173, 247-253.	0.7	40
50	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1999, 110, 157-169.	1.1	39
51	Transport and survival of alginate-encapsulated and free lux-lac marked <i>Pseudomonas aeruginosa</i> UG2Lr cells in soil. <i>FEMS Microbiology Ecology</i> , 1998, 26, 51-61.	1.3	20
52	Mutational analysis of the role of the conserved lysine-270 in the <i>Pichia stipitis</i> xylose reductase. <i>FEMS Microbiology Letters</i> , 1998, 159, 107-112.	0.7	61
53	Green fluorescent protein as a visual marker in p-nitrophenol degrading <i>Moraxella</i> sp.. <i>FEMS Microbiology Letters</i> , 1998, 164, 187-193.	0.7	34
54	Alteration of the substrate range of haloalkane dehalogenase by site-directed mutagenesis. , 1998, 59, 520-523.		36

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55	Review: The structure and function of yeast xylose (aldose) reductases. , 1998, 14, 977-984.		47
56	Comparison of toxicity detected by five bioassays during bioremediation of diesel fuel-spiked soils. Environmental Toxicology and Water Quality, 1998, 13, 117-126.	0.7	28
57	Bacterial Expression and Characterization of a Picloram-Specific Recombinant Fab for Residue Analysis. Journal of Agricultural and Food Chemistry, 1998, 46, 4457-4463.	2.4	35
58	Comparison of toxicity detected by five bioassays during bioremediation of diesel fuel-spiked soils. , 1998, 13, 117.		2
59	Effect of Initial Cell Density, Substrate Concentration and Temperature on Pentachlorophenol Degradation by <i>Pseudomonas</i> sp. UG30. Journal of Chemical Technology and Biotechnology, 1997, 69, 107-113.	1.6	16
60	Cloning and Expression in <i>Escherichia coli</i> of an Anti-Cyclohexanedione Single-Chain Variable Antibody Fragment and Comparison to the Parent Monoclonal Antibody. Journal of Agricultural and Food Chemistry, 1997, 45, 535-541.	2.4	21
61	Persistence of <i>Pseudomonas aureofaciens</i> strains and DNA in soil. Soil Biology and Biochemistry, 1997, 29, 1521-1527.	4.2	49
62	Survival of fluxAB-marked <i>Alcaligenes eutrophus</i> H850 in PCB-contaminated soil and sediment. Journal of Chemical Technology and Biotechnology, 1996, 65, 115-122.	1.6	21
63	Induction of Xylose Reductase and Xylitol Dehydrogenase Activities on Mixed Sugars in <i>Candida guilliermondii</i> . Journal of Chemical Technology and Biotechnology, 1996, 65, 375-379.	1.6	44
64	Microbial degradation of pentachlorophenol. Biodegradation, 1996, 7, 1-40.	1.5	212
65	Recombinant and wild-type <i>Pseudomonas aureofaciens</i> strains introduced into soil microcosms: effect on decomposition of cellulose and straw. Molecular Ecology, 1995, 4, 221-230.	2.0	26
66	Survival of λ -carrageenan-encapsulated and unencapsulated <i>Pseudomonas aeruginosa</i> UG2Lr cells in forest soil monitored by polymerase chain reaction and spread plating. FEMS Microbiology Ecology, 1995, 16, 71-82.	1.3	11
67	Enhanced removal of selected hydrocarbons from soil by <i>Pseudomonas aeruginosa</i> UG2 biosurfactants and some chemical surfactants. Journal of Chemical Technology and Biotechnology, 1994, 59, 53-59.	1.6	83
68	Selected factors limiting the microbial degradation of recalcitrant compounds. Journal of Industrial Microbiology, 1993, 12, 379-395.	0.9	150
69	Evaluation of microbial surfactants for recovery of hydrophobic pollutants from soil. Journal of Industrial Microbiology, 1993, 11, 163-170.	0.9	67
70	Bacterial survival in soil: Effect of clays and protozoa. Soil Biology and Biochemistry, 1993, 25, 525-531.	4.2	152
71	Silver accumulation and resistance in <i>Pseudomonas stutzeri</i> . Archives of Microbiology, 1992, 158, 398.	1.0	91
72	Reversible inactivation of d-xylose utilization by d-glucose in the pentose-fermenting yeast <i>Pachysolen tannophilus</i> . FEMS Microbiology Letters, 1992, 92, 1-4.	0.7	21

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73	Inhibitors of xylose reductase from the yeast <i>Pichia stipitis</i> . <i>Applied Biochemistry and Biotechnology</i> , 1991, 30, 325-337.	1.4	15
74	Temperature mediated changes of d-xylose metabolism in the yeast <i>Pachysolen tannophilus</i> . <i>FEMS Microbiology Letters</i> , 1990, 72, 35-40.	0.7	12
75	Identification and characterization of a soil bacterium with extracellular emulsifying activity. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1990, 25, 753-764.	0.1	22
76	Regulation of d-xylose utilization by hexoses in pentose-fermenting yeasts. <i>Biotechnology Advances</i> , 1990, 8, 685-697.	6.0	59
77	Additive Effects of Alcohols, Their Acidic By-Products, and Temperature on the Yeast <i>Pachysolen tannophilus</i> . <i>Applied and Environmental Microbiology</i> , 1990, 56, 545-550.	1.4	20
78	Physiological Properties of a Mutant of <i>Pachysolen tannophilus</i> Deficient in NADPH-Dependent Xylose Reductase. <i>Applied and Environmental Microbiology</i> , 1989, 55, 2877-2881.	1.4	35
79	Screening of yeasts for production of xylitol from d-xylose and some factors which affect xylitol yield in <i>Candida guilliermondii</i> . <i>Journal of Industrial Microbiology</i> , 1988, 3, 241-251.	0.9	266
80	Effect of biotin limitation on the conversion of xylose to ethanol and xylitol by <i>Pachysolen tannophilus</i> and <i>Candida guilliermondii</i> . <i>Enzyme and Microbial Technology</i> , 1988, 10, 81-84.	1.6	39
81	Induction of Xylose Reductase and Xylitol Dehydrogenase Activities in <i>Pachysolen tannophilus</i> and <i>Pichia stipitis</i> on Mixed Sugars. <i>Applied and Environmental Microbiology</i> , 1988, 54, 50-54.	1.4	103
82	Mutants of <i>Pachysolen tannophilus</i> with Improved Production of Ethanol from D-Xylose. <i>Applied and Environmental Microbiology</i> , 1986, 51, 1252-1258.	1.4	44
83	Utilization of Xylan by Yeasts and Its Conversion to Ethanol by <i>Pichia stipitis</i> Strains. <i>Applied and Environmental Microbiology</i> , 1986, 52, 320-324.	1.4	61
84	Ethanol Accumulation in Cultures of <i>Pachysolen Tannophilus</i> on D-Xylose is Associated with a Transition to a State of Low Oxygen Consumption. <i>Nature Biotechnology</i> , 1985, 3, 59-62.	9.4	13
85	Recombinant Antibodies for Pathogen Detection and Immunotherapy. , 0, , 851-881.		0
86	Transport and survival of alginate-encapsulated and free lux-lac marked <i>Pseudomonas aeruginosa</i> UG2Lr cells in soil. , 0, .		2