

Nobuhiro Ishida

List of Publications by Year in descending order

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38
papers

1,430
citations

304368

22
h-index

344852

36
g-index

38
all docs

38
docs citations

38
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetically Engineered Wine Yeast Produces a High Concentration of L-Lactic Acid of Extremely High Optical Purity. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2789-2792.	1.4	120
2	Efficient Production of L-Lactic Acid by Metabolically Engineered <i>Saccharomyces cerevisiae</i> with a Genome-Integrated L-Lactate Dehydrogenase Gene. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1964-1970.	1.4	118
3	d-Lactic acid production by metabolically engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2006, 101, 172-177.	1.1	102
4	Promotion of Efficient Saccharification of Crystalline Cellulose by <i>Aspergillus fumigatus</i> Sw01. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2556-2561.	1.4	95
5	The Effect of Pyruvate Decarboxylase Gene Knockout in <i>Saccharomyces cerevisiae</i> on L-Lactic Acid Production. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 1148-1153.	0.6	80
6	Double mutation of the PDC1 and ADH1 genes improves lactate production in the yeast <i>Saccharomyces cerevisiae</i> expressing the bovine lactate dehydrogenase gene. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 883-890.	1.7	79
7	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. <i>Green Chemistry</i> , 2011, 13, 2948.	4.6	64
8	Short time ionic liquids pretreatment on lignocellulosic biomass to enhance enzymatic saccharification. <i>Bioresource Technology</i> , 2012, 103, 446-452.	4.8	64
9	Exploring the conformational space of amorphous cellulose using NMR chemical shifts. <i>Carbohydrate Polymers</i> , 2012, 90, 1197-1203.	5.1	61
10	Rationally designed mineralization for selective recovery of the rare earth elements. <i>Nature Communications</i> , 2017, 8, 15670.	5.8	55
11	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> for Efficient Production of Pure L-(+)-Lactic Acid. <i>Applied Biochemistry and Biotechnology</i> , 2006, 131, 795-807.	1.4	47
12	Lactic fermentation of cellobiose by a yeast strain displaying β -glucosidase on the cell surface. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 481-8.	1.7	45
13	Self-assembled Cuprous Coordination Polymer as a Catalyst for CO_2 Electrochemical Reduction into C_2 Products. <i>ACS Catalysis</i> , 2020, 10, 10412-10419.	5.5	44
14	Multidimensional High-Resolution Magic Angle Spinning and Solution-State NMR Characterization of ^{13}C -labeled Plant Metabolites and Lignocellulose. <i>Scientific Reports</i> , 2015, 5, 11848.	1.6	42
15	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 229-237.	1.4	41
16	Transposon tagging in rice. , 1997, , 219-229.		40
17	Enhancement of Cellulolytic Enzyme Activity by Clustering Cellulose Binding Domains on Nanoscaffolds. <i>Small</i> , 2011, 7, 656-664.	5.2	38
18	Extractive lactic acid fermentation with tri-n-decylamine as the extractant. <i>Enzyme and Microbial Technology</i> , 2009, 44, 350-354.	1.6	37

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19	pH-uncontrolled lactic acid fermentation with activated carbon as an adsorbent. <i>Enzyme and Microbial Technology</i> , 2011, 48, 526-530.	1.6	37
20	Investigation of utilization of the algal biomass residue after oil extraction to lower the total production cost of biodiesel. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 330-333.	1.1	37
21	Disruption of multiple genes whose deletion causes lactic-acid resistance improves lactic-acid resistance and productivity in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 467-474.	1.1	36
22	Low melting point pyridinium ionic liquid pretreatment for enhancing enzymatic saccharification of cellulosic biomass. <i>Bioresource Technology</i> , 2013, 135, 103-108.	4.8	28
23	A nanocluster design for the construction of artificial cellulosomes. <i>Catalysis Science and Technology</i> , 2012, 2, 499.	2.1	22
24	Application of metabolically engineered <i>Saccharomyces cerevisiae</i> to extractive lactic acid fermentation. <i>Biochemical Engineering Journal</i> , 2009, 44, 251-255.	1.8	17
25	Hybrid Nanocellulosome Design from Cellulase Modules on Nanoparticles: Synergistic Effect of Catalytically Divergent Cellulase Modules on Cellulose Degradation Activity. <i>ACS Catalysis</i> , 2013, 3, 1342-1348.	5.5	14
26	Screening of Optimal Cellulases from Symbiotic Protists of Termites through Expression in the Secretory Pathway of <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2260-2263.	0.6	13
27	Fermentative lactic acid production with a metabolically engineered yeast immobilized in photo-crosslinkable resins. <i>Biochemical Engineering Journal</i> , 2009, 47, 66-70.	1.8	9
28	Reduction of the Cytotoxicity of Copper (II) Oxide Nanoparticles by Coating with a Surface-Binding Peptide. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 645-659.	1.4	8
29	The origins of binding specificity of a lanthanide ion binding peptide. <i>Scientific Reports</i> , 2020, 10, 19468.	1.6	8
30	Metabolic flux analysis of genetically engineered <i>Saccharomyces cerevisiae</i> that produces lactate under micro-aerobic conditions. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1261-1265.	1.7	7
31	Ordered silica mineralization by regulating local reaction conditions. <i>Biomaterials Science</i> , 2018, 6, 2316-2319.	2.6	6
32	Ionic liquid/water interfacial localization of a green fluorescent protein fused to a tryptophan-rich peptide. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 160-165.	1.1	5
33	Fed-batch system for cultivating genetically engineered yeast that produces lactic acid via the fermentative promoter. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 193-195.	1.1	3
34	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> for Efficient Production of Pure L-(+)-Lactic Acid. , 2006, , 795-807.		2
35	CO ₂ conversion by high-dose rate electron beam irradiation: one-step, metal-free and simultaneous production of H ₂ , CO, CH ₄ , C ₂ H ₆ and organic acids from an acid-decomposed CaCO ₃ /additive EtOH mixture. <i>Green Chemistry</i> , 2019, 21, 3091-3098.	4.6	2
36	Direct Recovery of the Rare Earth Elements Using a Silk Displaying a Metal-Recognizing Peptide. <i>Molecules</i> , 2020, 25, 761.	1.7	2

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37	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for efficient production of pure L(+)-lactic acid. <i>Applied Biochemistry and Biotechnology</i> , 1996, 131, 795-807.	1.4	1
38	Improved Recovery and Selectivity of Lanthanide-Ion-Binding Cyclic Peptide Hosts by Changing the Position of Acidic Amino Acids. <i>Minerals</i> (Basel, Switzerland), 2022, 12, 148.	0.8	1