

Hiroyasu Ogino

List of Publications by Year in descending order

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76
papers

2,502
citations

236925

25
h-index

206112

48
g-index

76
all docs

76
docs citations

76
times ranked

2173
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioengineering for the industrial production of 2,3-butanediol by the yeast, <i>Saccharomyces cerevisiae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 38.	3.6	11
2	Improvement of 2,3-butanediol tolerance in <i>Saccharomyces cerevisiae</i> by using a novel mutagenesis strategy. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 283-289.	2.2	5
3	Improvement of lactic acid tolerance by cocktail $\hat{\nu}$ -integration strategy and identification of the transcription factor PDR3 responsible for lactic acid tolerance in yeast <i>Saccharomyces cerevisiae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 19.	3.6	6
4	The synthesis of l-glycyl-l-tyrosine derivatives using organic-solvent stable PST-01 protease from <i>Pseudomonas aeruginosa</i> PST-01. <i>Process Biochemistry</i> , 2021, 102, 186-189.	3.7	1
5	N-linked glycosylation of thermostable lipase from <i>Bacillus thermocatenulatus</i> to improve organic solvent stability. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109416.	3.2	16
6	Construction of lactic acid-tolerant <i>Saccharomyces cerevisiae</i> by using CRISPR-Cas-mediated genome evolution for efficient d-lactic acid production. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9147-9158.	3.6	25
7	Identification of genes responsible for reducing palladium ion in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2020, 324, 7-10.	3.8	6
8	Construction of yeast producing patchoulol by global metabolic engineering strategy. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1348-1356.	3.3	18
9	CRISPR system in the yeast <i>Saccharomyces cerevisiae</i> and its application in the bioproduction of useful chemicals. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 111.	3.6	22
10	Toward the construction of a technology platform for chemicals production from methanol: d-lactic acid production from methanol by an engineered yeast <i>Pichia pastoris</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 37.	3.6	41
11	A useful propionate cofactor enhancing activity for organic solvent-tolerant recombinant metal-free bromoperoxidase (perhydrolase) from <i>Streptomyces aureofaciens</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 327-332.	2.1	1
12	Improved Stress Tolerance of <i>Saccharomyces cerevisiae</i> by CRISPR-Cas-Mediated Genome Evolution. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 810-821.	2.9	27
13	Modification of lipase from <i>Candida cylindracea</i> with dextran using the borane-pyridine complex to improve organic solvent stability. <i>Journal of Biotechnology</i> , 2019, 296, 1-6.	3.8	11
14	Chemical treatments for modification and immobilization to improve the solvent-stability of lipase. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 193.	3.6	19
15	Improvement of the organic solvent stability of a commercial lipase by chemical modification with dextran. <i>Biochemical Engineering Journal</i> , 2019, 142, 1-6.	3.6	16
16	Secretory overexpression of the endoglucanase by <i>Saccharomyces cerevisiae</i> via CRISPR- $\hat{\nu}$ -integration and multiple promoter shuffling. <i>Enzyme and Microbial Technology</i> , 2019, 121, 17-22.	3.2	23
17	Enhancement of the catalytic activity of d-lactate dehydrogenase from <i>Sporolactobacillus laevolacticus</i> by site-directed mutagenesis. <i>Biochemical Engineering Journal</i> , 2018, 133, 214-218.	3.6	7
18	Secretory Overexpression of <i>Bacillus thermocatenulatus</i> Lipase in <i>Saccharomyces cerevisiae</i> Using Combinatorial Library Strategy. <i>Biotechnology Journal</i> , 2018, 13, e1700409.	3.5	5

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19	Rapid and stable production of 2,3-butanediol by an engineered <i>Saccharomyces cerevisiae</i> strain in a continuous airlift bioreactor. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 305-311.	3.0	8
20	Modulation of gene expression by cocktail λ -integration to improve carotenoid production in <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2018, 268, 616-621.	9.6	16
21	Development of sucrose-complexed lipase to improve its transesterification activity and stability in organic solvents. <i>Biochemical Engineering Journal</i> , 2017, 121, 83-87.	3.6	10
22	Global Metabolic Engineering of Glycolytic Pathway <i>via</i> Multicopy Integration in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 659-666.	3.8	22
23	Improvement of lipid production by the oleaginous yeast <i>Rhodospiridium toruloides</i> through UV mutagenesis. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 99.	3.6	38
24	Efficient production of 2,3-butanediol by recombinant <i>Saccharomyces cerevisiae</i> through modulation of gene expression by cocktail λ -integration. <i>Bioresource Technology</i> , 2017, 245, 1558-1566.	9.6	25
25	Enhanced d-lactic acid production by recombinant <i>Saccharomyces cerevisiae</i> following optimization of the global metabolic pathway. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2075-2084.	3.3	46
26	Evaluation of lipid production from xylose and glucose/xylose mixed sugar in various oleaginous yeasts and improvement of lipid production by UV mutagenesis. <i>Biochemical Engineering Journal</i> , 2017, 128, 76-82.	3.6	37
27	Combinatorial library strategy for strong overexpression of the lipase from <i>Geobacillus thermocatenulatus</i> on the cell surface of yeast <i>Pichia pastoris</i> . <i>Biochemical Engineering Journal</i> , 2016, 113, 7-11.	3.6	15
28	Production mechanism of active species on the oxidative bromination following perhydrolase activity. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 84-91.	1.9	6
29	Random mutagenesis and selection of organic solvent-stable haloperoxidase from <i>Streptomyces aureofaciens</i> . <i>Biotechnology Progress</i> , 2015, 31, 917-924.	2.6	16
30	Production of d-lactic acid in a continuous membrane integrated fermentation reactor by genetically modified <i>Saccharomyces cerevisiae</i> : Enhancement in d-lactic acid carbon yield. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 65-71.	2.2	29
31	Improvement of the stability and activity of the BPO-A1 haloperoxidase from <i>Streptomyces aureofaciens</i> by directed evolution. <i>Journal of Biotechnology</i> , 2014, 192, 248-254.	3.8	23
32	Hyper-activation of foldase-dependent lipase with lipase-specific foldase. <i>Journal of Biotechnology</i> , 2013, 166, 20-24.	3.8	6
33	Subcritical Water Hydrolysis of Gelatin in Used X-Ray and Lith Films. <i>Journal of Chemical Engineering of Japan</i> , 2011, 44, 963-968.	0.6	2
34	Kinetics of the polymerizable azo initiator 2,2'-azobis[<i>N</i> -(2-propenyl)-2-methylpropanamide] and its application to graft copolymerization. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2425-2433.	2.6	2
35	Organic solvent-tolerant enzymes. <i>Biochemical Engineering Journal</i> , 2010, 48, 270-282.	3.6	442
36	Enhancement of the aspartame precursor synthetic activity of an organic solvent-stable protease. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 147-152.	2.1	17

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37	Amino acid residues involved in organic solvent-stability of the LST-03 lipase. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 384-388.	2.1	46
38	Effect of Calcium Ions on the Activity and Stability of the Recombinant LST-03 Lipase. <i>Kagaku Kogaku Ronbunshu</i> , 2010, 36, 143-148.	0.3	1
39	Synthesis of Oil Absorbent Polymer Material Having Hydrophobic Group and Evaluation of Their Ability. <i>Kagaku Kogaku Ronbunshu</i> , 2010, 36, 526-531.	0.3	1
40	Kinetics of Solution Polymerization and Seed Polymerization of 2-[p-(1,1,3,3-Tetramethyl-Butyl) Phenoxy-Polyethoxy] Ethyl Methacrylate Macromonomers. <i>Journal of Chemical Engineering of Japan</i> , 2010, 43, 767-776.	0.6	0
41	Enhancement of the organic solvent-stability of the LST-03 lipase by directed evolution. <i>Biotechnology Progress</i> , 2009, 25, 1605-1611.	2.6	42
42	Cloning, sequence analysis, and expression of a gene encoding <i>Chromobacterium</i> sp. DS-1 cholesterol oxidase. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 479-490.	3.6	27
43	Enzyme immobilization on amphiphilic polymer particles having grafted polyionic polymer chains. <i>Biochemical Engineering Journal</i> , 2009, 48, 6-12.	3.6	8
44	Refolding of a recombinant organic solvent-stable lipase, which is overexpressed and forms an inclusion body, and activation with lipase-specific foldase. <i>Biochemical Engineering Journal</i> , 2008, 40, 507-511.	3.6	8
45	Purification and characterization of <i>Chromobacterium</i> sp. DS-1 cholesterol oxidase with thermal, organic solvent, and detergent tolerance. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 59-70.	3.6	47
46	Screening, purification, and characterization of a leather-degrading protease. <i>Biochemical Engineering Journal</i> , 2008, 38, 234-240.	3.6	11
47	Characterization of Recombinant Glyoxylate Reductase from Thermophile <i>Thermus thermophilus</i> HB27. <i>Biotechnology Progress</i> , 2008, 24, 321-325.	2.6	6
48	A Maltooligosaccharide-Forming Amylase Gene from <i>Brachybacterium</i> sp. Strain LB25: Cloning and Expression in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 2444-2447.	1.3	8
49	Effect of exchange of amino acid residues of the surface region of the PST-01 protease on its organic solvent-stability. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 1028-1033.	2.1	54
50	Stabilities and Conformational Transitions of Various Proteases in the Presence of an Organic Solvent. <i>Biotechnology Progress</i> , 2007, 23, 155-161.	2.6	30
51	Purification and characterization of a maltooligosaccharide-forming amylase that improves product selectivity in water-miscible organic solvents, from dimethylsulfoxide-tolerant <i>Brachybacterium</i> sp. strain LB25. <i>Extremophiles</i> , 2007, 11, 781-788.	2.3	37
52	Cloning and expression of gene, and activation of an organic solvent-stable lipase from <i>Pseudomonas aeruginosa</i> LST-03. <i>Extremophiles</i> , 2007, 11, 809-817.	2.3	30
53	Peptide Synthesis of Aspartame Precursor Using Organic-Solvent-Stable PST-01 Protease in Monophasic Aqueous-Organic Solvent Systems. <i>Biotechnology Progress</i> , 2007, 23, 820-823.	2.6	18
54	Peptide Synthesis of Aspartame Precursor Using Organic-Solvent-Stable PST-01 Protease in Monophasic Aqueous-Organic Solvent Systems. <i>Biotechnology Progress</i> , 2007, 23, 820-823.	2.6	7

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55	Hydrogen Production from Glucose by Anaerobes. <i>Biotechnology Progress</i> , 2005, 21, 1786-1788.	2.6	18
56	Cloning, Expression, and Characterization of a Lipolytic Enzyme Gene <i>lip8</i> from <i>Pseudomonas aeruginosa</i> LST-03. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2004, 7, 212-223.	1.0	22
57	Kinetics and mechanism of a reaction catalyzed by PST-01 protease from <i>Pseudomonas aeruginosa</i> PST-01. <i>Biotechnology and Bioengineering</i> , 2004, 86, 365-373.	3.3	10
58	Synthesis of Amphiphilic Polymer Particles by Seed Polymerization and Their Application for Lipase Immobilization. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 284-293.	2.2	10
59	Synthesis of amphiphilic particles in the presence of inert solvents and their application to lipase immobilization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 874-884.	2.3	8
60	Development of Novel Immobilization Supports of Lipase for Reactions in Organic Media: Seed Polymerization of Amphiphilic 2-[p-(1,1,3,3-Tetramethyl-Butyl) Phenoxy-Polyethoxy] Ethyl Methacrylate Macromonomers.. <i>Journal of Chemical Engineering of Japan</i> , 2002, 35, 519-526.	0.6	1
61	Simulation of a Particle Formation Stage in the Dispersion Polymerization of Styrene. <i>Macromolecules</i> , 2001, 34, 3261-3270.	4.8	57
62	Role of Intermolecular Disulfide Bonds of the Organic Solvent-Stable PST-01 Protease in Its Organic Solvent Stability. <i>Applied and Environmental Microbiology</i> , 2001, 67, 942-947.	3.1	75
63	Simulation of Particle Growth in the Dispersion Polymerization of Styrene: The Termination Rate Constant in Particles. <i>Macromolecular Theory and Simulations</i> , 2001, 10, 54-62.	1.4	15
64	Synthesis of Amphiphilic Polymer Particles for Lipase Immobilization. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3189-3197.	2.2	12
65	Enzymes which are stable in the presence of organic solvents. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 109-116.	2.2	261
66	Lipase production in two-step fed-batch culture of organic solvent-tolerant <i>Pseudomonas aeruginosa</i> LST-03. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 245-250.	2.2	36
67	Lipase Production in Two-Step Fed-Batch Culture of Organic Solvent-Tolerant <i>Pseudomonas aeruginosa</i> LST-03.. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 245-250.	2.2	16
68	Synthesis and Radical Polymerization Kinetics of Amphiphilic Methacrylic Monomers Having 2-[p-(1,1,3,3-Tetramethyl-Butyl)Phenoxy-Polyethoxy]Ethyl Group.. <i>Journal of Chemical Engineering of Japan</i> , 2001, 34, 388-395.	0.6	2
69	Cloning and sequencing of a gene of organic solvent-stable protease secreted from <i>Pseudomonas aeruginosa</i> PST-01 and its expression in <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2000, 5, 191-200.	3.6	29
70	The synthetic rate of dipeptide catalyzed by organic solvent-stable protease from <i>Pseudomonas aeruginosa</i> PST-01 in the presence of water-soluble organic solvents. <i>Biochemical Engineering Journal</i> , 2000, 5, 219-223.	3.6	22
71	Purification and characterization of organic solvent-stable lipase from organic solvent-tolerant <i>Pseudomonas aeruginosa</i> LST-03. <i>Journal of Bioscience and Bioengineering</i> , 2000, 89, 451-457.	2.2	136
72	Growth of organic solvent-tolerant <i>Pseudomonas aeruginosa</i> LST-03 in the presence of various organic solvents and production of lipolytic enzyme in the presence of cyclohexane. <i>Biochemical Engineering Journal</i> , 1999, 4, 1-6.	3.6	53

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73	Peptide synthesis catalyzed by organic solvent-stable protease from <i>Pseudomonas aeruginosa</i> PST-01 in monophasic aqueous-organic solvent systems. <i>Journal of Bioscience and Bioengineering</i> , 1999, 88, 513-518.	2.2	42
74	Purification and characterization of organic solvent-stable protease from organic solvent-tolerant <i>Pseudomonas aeruginosa</i> PST-01. <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 61-68.	2.2	102
75	Effect of Additives on Refolding of a Denatured Protein. <i>Biotechnology Progress</i> , 1998, 14, 601-606.	2.6	73
76	Organic-Solvent-Tolerant Bacterium Which Secretes Organic-Solvent-Stable Lipolytic Enzyme. <i>Applied and Environmental Microbiology</i> , 1994, 60, 3884-3886.	3.1	101