

Chiaki Ogino

List of Publications by Year in descending order

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274
papers

9,012
citations

41344

49
h-index

76900

74
g-index

291
all docs

291
docs citations

291
times ranked

9097
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonocatalytic degradation of methylene blue with TiO ₂ pellets in water. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 184-190.	8.2	303
2	Biotechnological production of enantiomeric pure lactic acid from renewable resources: recent achievements, perspectives, and limits. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 413-423.	3.6	235
3	Bioprocessing of bio-based chemicals produced from lignocellulosic feedstocks. <i>Current Opinion in Biotechnology</i> , 2016, 42, 30-39.	6.6	203
4	Building a global alliance of biofoundries. <i>Nature Communications</i> , 2019, 10, 2040.	12.8	167
5	Genetic engineering to enhance the Ehrlich pathway and alter carbon flux for increased isobutanol production from glucose by <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2012, 159, 32-37.	3.8	150
6	Cocktail $\hat{\Gamma}$ -integration: a novel method to construct cellulolytic enzyme expression ratio-optimized yeast strains. <i>Microbial Cell Factories</i> , 2010, 9, 32.	4.0	145
7	Direct ethanol production from cellulosic materials at high temperature using the thermotolerant yeast <i>Kluyveromyces marxianus</i> displaying cellulolytic enzymes. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 381-388.	3.6	135
8	Biogenic synthesis and characterization of gold nanoparticles by <i>Escherichia coli</i> K12 and its heterogeneous catalysis in degradation of 4-nitrophenol. <i>Nanoscale Research Letters</i> , 2013, 8, 70.	5.7	132
9	Recent developments in yeast cell surface display toward extended applications in biotechnology. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 577-591.	3.6	115
10	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. <i>Bioengineered</i> , 2019, 10, 574-592.	3.2	114
11	Direct ethanol production from cellulosic materials using a diploid strain of <i>Saccharomyces cerevisiae</i> with optimized cellulase expression. <i>Biotechnology for Biofuels</i> , 2011, 4, 8.	6.2	112
12	Microbial conversion of biomass into bio-based polymers. <i>Bioresource Technology</i> , 2017, 245, 1664-1673.	9.6	108
13	Enhanced OH radical generation by dual-frequency ultrasound with TiO ₂ nanoparticles: Its application to targeted sonodynamic therapy. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 289-294.	8.2	98
14	Sonocatalytic facilitation of hydroxyl radical generation in the presence of TiO ₂ . <i>Ultrasonics Sonochemistry</i> , 2008, 15, 988-994.	8.2	94
15	Robust production of gamma-amino butyric acid using recombinant <i>Corynebacterium glutamicum</i> expressing glutamate decarboxylase from <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2012, 51, 171-176.	3.2	93
16	A Simple and Immediate Method for Simultaneously Evaluating Expression Level and Plasmid Maintenance in Yeast. <i>Journal of Biochemistry</i> , 2009, 145, 701-708.	1.7	90
17	Production of biodiesel fuel from soybean oil catalyzed by fungus whole-cell biocatalysts in ionic liquids. <i>Enzyme and Microbial Technology</i> , 2010, 46, 51-55.	3.2	90
18	Isoflavone aglycones production from isoflavone glycosides by display of $\hat{\Gamma}^2$ -glucosidase from <i>Aspergillus oryzae</i> on yeast cell surface. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 51-60.	3.6	87

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19	Improved Production of Homo- β -Lactic Acid via Xylose Fermentation by Introduction of Xylose Assimilation Genes and Redirection of the Phosphoketolase Pathway to the Pentose Phosphate Pathway in β -Lactate Dehydrogenase Gene-Deficient <i>Lactobacillus plantarum</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 7858-7861.	3.1	84
20	Novel strategy for yeast construction using λ -integration and cell fusion to efficiently produce ethanol from raw starch. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1491-1498.	3.6	83
21	Targeted sonodynamic therapy using protein-modified TiO ₂ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 607-614.	8.2	76
22	Ionic liquid/ultrasound pretreatment and in situ enzymatic saccharification of bagasse using biocompatible cholinium ionic liquid. <i>Bioresource Technology</i> , 2015, 176, 169-174.	9.6	76
23	Ethanol production from cellulosic materials using cellulase-expressing yeast. <i>Biotechnology Journal</i> , 2010, 5, 449-455.	3.5	75
24	Production of d-lactic acid from hardwood pulp by mechanical milling followed by simultaneous saccharification and fermentation using metabolically engineered <i>Lactobacillus plantarum</i> . <i>Bioresource Technology</i> , 2015, 187, 167-172.	9.6	73
25	Effect of inoculum size on single-cell oil production from glucose and xylose using oleaginous yeast <i>Lipomyces starkeyi</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 695-702.	2.2	72
26	Kinetics of disinfection of <i>Escherichia coli</i> by catalytic ultrasonic irradiation with TiO ₂ . <i>Biochemical Engineering Journal</i> , 2005, 25, 243-248.	3.6	69
27	Synergetic effect of yeast cell-surface expression of cellulase and expansin-like protein on direct ethanol production from cellulose. <i>Microbial Cell Factories</i> , 2013, 12, 66.	4.0	69
28	Characterization of fractionated biomass component and recovered ionic liquid during repeated process of cholinium ionic liquid-assisted pretreatment and fractionation. <i>Chemical Engineering Journal</i> , 2015, 259, 323-329.	12.7	69
29	Homo- β -Lactic Acid Fermentation from Arabinose by Redirection of the Phosphoketolase Pathway to the Pentose Phosphate Pathway in β -Lactate Dehydrogenase Gene-Deficient <i>Lactobacillus plantarum</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 5175-5178.	3.1	68
30	Organosolv pretreatment of sorghum bagasse using a low concentration of hydrophobic solvents such as 1-butanol or 1-pentanol. <i>Biotechnology for Biofuels</i> , 2016, 9, 27.	6.2	68
31	Combined use of completely bio-derived cholinium ionic liquids and ultrasound irradiation for the pretreatment of lignocellulosic material to enhance enzymatic saccharification. <i>Chemical Engineering Journal</i> , 2013, 215-216, 811-818.	12.7	67
32	Titanium peroxide nanoparticles enhanced cytotoxic effects of X-ray irradiation against pancreatic cancer model through reactive oxygen species generation in vitro and in vivo. <i>Radiation Oncology</i> , 2016, 11, 91.	2.7	67
33	Cholinium carboxylate ionic liquids for pretreatment of lignocellulosic materials to enhance subsequent enzymatic saccharification. <i>Biochemical Engineering Journal</i> , 2013, 71, 25-29.	3.6	65
34	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. <i>Green Chemistry</i> , 2011, 13, 2948.	9.0	64
35	Short time ionic liquids pretreatment on lignocellulosic biomass to enhance enzymatic saccharification. <i>Bioresource Technology</i> , 2012, 103, 446-452.	9.6	64
36	Disinfection of <i>Legionella pneumophila</i> by ultrasonic treatment with TiO ₂ . <i>Water Research</i> , 2006, 40, 1137-1142.	11.3	62

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37	Immobilized lipases for biodiesel production: Current and future greening opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110355.	16.4	61
38	Over-expression system for secretory phospholipase D by <i>Streptomyces lividans</i> . <i>Applied Microbiology and Biotechnology</i> , 2004, 64, 823-828.	3.6	59
39	Selection of DNA aptamers using atomic force microscopy. <i>Nucleic Acids Research</i> , 2010, 38, e21-e21.	14.5	58
40	Targeted sonocatalytic cancer cell injury using avidin-conjugated titanium dioxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1624-1628.	8.2	58
41	Disruption of <i>pknG</i> enhances production of gamma-aminobutyric acid by <i>Corynebacterium glutamicum</i> expressing glutamate decarboxylase. <i>AMB Express</i> , 2014, 4, 20.	3.0	57
42	Purification, Characterization, and Sequence Determination of Phospholipase D Secreted by <i>Streptoverticillium cinnamomeum</i> . <i>Journal of Biochemistry</i> , 1999, 125, 263-269.	1.7	56
43	Improvement of a <i>Candida antarctica</i> lipase B-displaying yeast whole-cell biocatalyst and its application to the polyester synthesis reaction. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 59-66.	3.6	54
44	Direct isopropanol production from cellobiose by engineered <i>Escherichia coli</i> using a synthetic pathway and a cell surface display system. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 80-85.	2.2	54
45	Production of protocatechuic acid by <i>Corynebacterium glutamicum</i> expressing chorismate-pyruvate lyase from <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 135-145.	3.6	54
46	Future insights in fungal metabolic engineering. <i>Bioresource Technology</i> , 2017, 245, 1314-1326.	9.6	54
47	Bioenergy and Biorefinery: Feedstock, Biotechnological Conversion, and Products. <i>Biotechnology Journal</i> , 2019, 14, e1800494.	3.5	54
48	Repeated fermentation from raw starch using <i>Saccharomyces cerevisiae</i> displaying both glucoamylase and α -amylase. <i>Enzyme and Microbial Technology</i> , 2012, 50, 343-347.	3.2	51
49	Production of biodiesel from plant oil hydrolysates using an <i>Aspergillus oryzae</i> whole-cell biocatalyst highly expressing <i>Candida antarctica</i> lipase B. <i>Bioresource Technology</i> , 2013, 135, 410-416.	9.6	51
50	Converting oils high in phospholipids to biodiesel using immobilized <i>Aspergillus oryzae</i> whole-cell biocatalysts expressing <i>Fusarium heterosporum</i> lipase. <i>Biochemical Engineering Journal</i> , 2016, 105, 10-15.	3.6	51
51	Enhancement of sonocatalytic cell lysis of <i>Escherichia coli</i> in the presence of TiO ₂ . <i>Biochemical Engineering Journal</i> , 2006, 32, 100-105.	3.6	50
52	Glutamate production from β -glucan using endoglucanase-secreting <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 895-901.	3.6	50
53	Lipase cocktail for efficient conversion of oils containing phospholipids to biodiesel. <i>Bioresource Technology</i> , 2016, 211, 224-230.	9.6	50
54	Versatility of a Dilute Acid/Butanol Pretreatment Investigated on Various Lignocellulosic Biomasses to Produce Lignin, Monosaccharides and Cellulose in Distinct Phases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11069-11079.	6.7	50

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55	Development of an <i>Aspergillus oryzae</i> whole-cell biocatalyst coexpressing triglyceride and partial glyceride lipases for biodiesel production. <i>Bioresource Technology</i> , 2011, 102, 6723-6729.	9.6	49
56	Regulation of the Display Ratio of Enzymes on the <i>Saccharomyces cerevisiae</i> Cell Surface by the Immunoglobulin G and Cellulosomal Enzyme Binding Domains. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4149-4154.	3.1	48
57	Selection of a DNA aptamer that binds 8-OHdG using GMP-agarose. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3619-3622.	2.2	48
58	d-lactic acid production from cellooligosaccharides and β -glucan using l-LDH gene-deficient and endoglucanase-secreting <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 643-650.	3.6	48
59	Effect of ionic liquid weight ratio on pretreatment of bamboo powder prior to enzymatic saccharification. <i>Bioresource Technology</i> , 2013, 128, 188-192.	9.6	48
60	Engineering of a novel cellulose-adherent cellulolytic <i>Saccharomyces cerevisiae</i> for cellulosic biofuel production. <i>Scientific Reports</i> , 2016, 6, 24550.	3.3	48
61	Effective usage of sorghum bagasse: Optimization of organosolv pretreatment using 25% 1-butanol and subsequent nanofiltration membrane separation. <i>Bioresource Technology</i> , 2018, 252, 157-164.	9.6	48
62	Homo-d-lactic acid production from mixed sugars using xylose-assimilating operon-integrated <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 67-76.	3.6	47
63	<i>Aspergillus oryzae</i> -based cell factory for direct kojic acid production from cellulose. <i>Microbial Cell Factories</i> , 2014, 13, 71.	4.0	47
64	Properties of TiO ₂ –polyacrylic acid dispersions with potential for molecular recognition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 10-15.	5.0	45
65	Cinnamic acid production using <i>Streptomyces lividans</i> expressing phenylalanine ammonia lyase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 643-648.	3.0	45
66	Efficient production of ethanol from raw starch by a mated diploid <i>Saccharomyces cerevisiae</i> with integrated α -amylase and glucoamylase genes. <i>Enzyme and Microbial Technology</i> , 2009, 44, 344-349.	3.2	44
67	Efficient direct ethanol production from cellulose by cellulase- and cellodextrin transporter-co-expressing <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , 2013, 3, 34.	3.0	44
68	A display of pH-sensitive fusogenic GALA peptide facilitates endosomal escape from a Bio-nanocapsule via an endocytic uptake pathway. <i>Journal of Nanobiotechnology</i> , 2014, 12, 11.	9.1	44
69	GH-10 and GH-11 Endo-1,4- β -xylanase enzymes from <i>Kitasatospora</i> sp. produce xylose and xylooligosaccharides from sugarcane bagasse with no xylose inhibition. <i>Bioresource Technology</i> , 2019, 272, 315-325.	9.6	44
70	Pretreatment of bagasse with a minimum amount of cholinium ionic liquid for subsequent saccharification at high loading and co-fermentation for ethanol production. <i>Chemical Engineering Journal</i> , 2018, 334, 657-663.	12.7	43
71	Microwave pretreatment of lignocellulosic material in cholinium ionic liquid for efficient enzymatic saccharification. <i>Biochemical Engineering Journal</i> , 2014, 90, 90-95.	3.6	42
72	Gene copy number and polyploidy on products formation in yeast. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 849-857.	3.6	41

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73	Potential uses of titanium dioxide in conjunction with ultrasound for improved disinfection. <i>Biochemical Engineering Journal</i> , 2010, 48, 416-423.	3.6	41
74	Simultaneous saccharification and fermentation of kraft pulp by recombinant <i>Escherichia coli</i> for phenyllactic acid production. <i>Biochemical Engineering Journal</i> , 2014, 88, 188-194.	3.6	41
75	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 229-237.	2.9	41
76	Direct and efficient ethanol production from high-yielding rice using a <i>Saccharomyces cerevisiae</i> strain that express amylases. <i>Enzyme and Microbial Technology</i> , 2011, 48, 393-396.	3.2	40
77	Characterization of cellulose nanofiber sheets from different refining processes. <i>Cellulose</i> , 2016, 23, 403-414.	4.9	40
78	Mammalian phospholipase D: phosphatidylethanolamine as an essential component.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4300-4304.	7.1	39
79	Construction of a xylose-metabolizing yeast by genome integration of xylose isomerase gene and investigation of the effect of xylitol on fermentation. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 1215-1221.	3.6	39
80	Ultrasound-induced membrane lipid peroxidation and cell damage of <i>Escherichia coli</i> in the presence of non-woven TiO ₂ fabrics. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 738-743.	8.2	39
81	Cell-SELEX based selection and characterization of DNA aptamer recognizing human hepatocarcinoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1797-1802.	2.2	39
82	Enhancement of astaxanthin production in <i>Xanthophyllomyces dendrorhous</i> by efficient method for the complete deletion of genes. <i>Microbial Cell Factories</i> , 2016, 15, 155.	4.0	39
83	Fractal analysis of <i>Daphnia</i> motion for acute toxicity bioassay. <i>Environmental Toxicology</i> , 2002, 17, 441-448.	4.0	38
84	Specific Protein Delivery to Target Cells by Antibody-displaying Bionanocapsules. <i>Journal of Biochemistry</i> , 2008, 144, 701-707.	1.7	38
85	Construction of protein-modified TiO ₂ nanoparticles for use with ultrasound irradiation in a novel cell injuring method. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5320-5325.	2.2	37
86	Saccharification and ethanol fermentation from cholinium ionic liquid-pretreated bagasse with a different number of post-pretreatment washings. <i>Bioresource Technology</i> , 2015, 189, 203-209.	9.6	37
87	Creation of a Cellooligosaccharide-Assimilating <i>Escherichia coli</i> Strain by Displaying Active Beta-Glucosidase on the Cell Surface via a Novel Anchor Protein. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6265-6270.	3.1	36
88	l-lactic acid production from starch by simultaneous saccharification and fermentation in a genetically engineered <i>Aspergillus oryzae</i> pure culture. <i>Bioresource Technology</i> , 2014, 173, 376-383.	9.6	35
89	Lignocellulose nanofibers prepared by ionic liquid pretreatment and subsequent mechanical nanofibrillation of bagasse powder: Application to esterified bagasse/polypropylene composites. <i>Carbohydrate Polymers</i> , 2018, 182, 8-14.	10.2	35
90	Improvement of isoflavone aglycones production using β -glucosidase secretory produced in recombinant <i>Aspergillus oryzae</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 297-301.	1.8	34

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91	Mechanical milling and membrane separation for increased ethanol production during simultaneous saccharification and co-fermentation of rice straw by xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2015, 185, 263-268.	9.6	34
92	Caffeic acid production by simultaneous saccharification and fermentation of kraft pulp using recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5279-5290.	3.6	34
93	Co-fermentation of xylose and glucose from ionic liquid pretreated sugar cane bagasse for bioethanol production using engineered xylose assimilating yeast. <i>Biomass and Bioenergy</i> , 2019, 128, 105283.	5.7	34
94	Over-production of various secretary-form proteins in <i>Streptomyces lividans</i> . <i>Protein Expression and Purification</i> , 2010, 73, 198-202.	1.3	33
95	Development of a multi-gene expression system in <i>Xanthophyllomyces dendrorhous</i> . <i>Microbial Cell Factories</i> , 2014, 13, 175.	4.0	33
96	Biotransformation of ferulic acid to protocatechuic acid by <i>Corynebacterium glutamicum</i> ATCC 21420 engineered to express vanillate O-demethylase. <i>AMB Express</i> , 2017, 7, 130.	3.0	33
97	Cell-surface display technology and metabolic engineering of <i>Saccharomyces cerevisiae</i> for enhancing xylitol production from woody biomass. <i>Green Chemistry</i> , 2019, 21, 1795-1808.	9.0	33
98	Yeast-Based Fluorescence Reporter Assay of G Protein-coupled Receptor Signalling for Flow Cytometric Screening: FAR1-Disruption Recovers Loss of Episomal Plasmid Caused by Signalling in Yeast. <i>Journal of Biochemistry</i> , 2008, 143, 667-674.	1.7	32
99	Decolorization of methylene blue in aqueous suspensions of titanium peroxide. <i>Journal of Hazardous Materials</i> , 2008, 153, 551-556.	12.4	31
100	Improved homo l-lactic acid fermentation from xylose by abolishment of the phosphoketolase pathway and enhancement of the pentose phosphate pathway in genetically modified xylose-assimilating <i>Lactococcus lactis</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1537-1544.	3.6	31
101	Targeting cancer cell-specific RNA interference by siRNA delivery using a complex carrier of affibody-displaying bio-nanocapsules and liposomes. <i>Journal of Nanobiotechnology</i> , 2013, 11, 19.	9.1	31
102	Phenyllactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. <i>Bioresource Technology</i> , 2015, 182, 169-178.	9.6	31
103	Mechanism of the Fe-Assisted Hydrothermal Liquefaction of Lignocellulosic Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14870-14877.	3.7	31
104	Recent advances in lignocellulosic biomass white biotechnology for bioplastics. <i>Bioresource Technology</i> , 2022, 344, 126165.	9.6	31
105	Highly efficient biodiesel production by a whole-cell biocatalyst employing a system with high lipase expression in <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1171-1177.	3.6	30
106	p-Hydroxycinnamic acid production directly from cellulose using endoglucanase- and tyrosine ammonia lyase-expressing <i>Streptomyces lividans</i> . <i>Microbial Cell Factories</i> , 2013, 12, 45.	4.0	30
107	Modified expression of multi-cellulases in a filamentous fungus <i>Aspergillus oryzae</i> . <i>Bioresource Technology</i> , 2019, 276, 146-153.	9.6	30
108	Biofunctional TiO ₂ nanoparticle-mediated photokilling of cancer cells using UV irradiation. <i>MedChemComm</i> , 2010, 1, 209.	3.4	29

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109	Particle size for photocatalytic activity of anatase TiO ₂ nanosheets with highly exposed {001} facets. <i>RSC Advances</i> , 2013, 3, 19268.	3.6	29
110	Enzymatic synthesis and modification of structured phospholipids: recent advances in enzyme preparation and biocatalytic processes. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7879-7891.	3.6	29
111	Repeated batch fermentation from raw starch using a maltose transporter and amylase expressing diploid yeast strain. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 109-115.	3.6	28
112	Benzoic acid fermentation from starch and cellulose via a plant-like β -oxidation pathway in <i>Streptomyces maritimus</i> . <i>Microbial Cell Factories</i> , 2012, 11, 49.	4.0	28
113	Low melting point pyridinium ionic liquid pretreatment for enhancing enzymatic saccharification of cellulosic biomass. <i>Bioresource Technology</i> , 2013, 135, 103-108.	9.6	28
114	DNA-duplex linker for AFM-SELEX of DNA aptamer against human serum albumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 954-957.	2.2	28
115	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <i>Bioresource Technology</i> , 2017, 245, 1413-1420.	9.6	28
116	Protein-protein interactions and selection: yeast-based approaches that exploit guanine nucleotide-binding protein signaling. <i>FEBS Journal</i> , 2010, 277, 1982-1995.	4.7	27
117	A robust whole-cell biocatalyst that introduces a thermo- and solvent-tolerant lipase into <i>Aspergillus oryzae</i> cells: Characterization and application to enzymatic biodiesel production. <i>Enzyme and Microbial Technology</i> , 2013, 52, 331-335.	3.2	27
118	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2015, 198, 410-417.	9.6	27
119	From mannan to bioethanol: cell surface co-display of β -mannanase and β -mannosidase on yeast <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 188.	6.2	27
120	Ethanolysis of rapeseed oil to produce biodiesel fuel catalyzed by <i>Fusarium heterosporum</i> lipase-expressing fungus immobilized whole-cell biocatalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 101-104.	1.8	26
121	Control of signalling properties of human somatostatin receptor subtype-5 by additional signal sequences on its amino-terminus in yeast. <i>Journal of Biochemistry</i> , 2010, 147, 875-884.	1.7	26
122	Production of <i>Streptoverticillium cinnamomeum</i> transglutaminase and cinnamic acid by recombinant <i>Streptomyces lividans</i> cultured on biomass-derived carbon sources. <i>Bioresource Technology</i> , 2012, 104, 648-651.	9.6	26
123	Abstract 1321: A novel prevention method against re-obstruction of titanium alloy stent for biliary malignancy using generation of hydroxyl radical under ultrasonic irradiation. <i>Cancer Research</i> , 2012, 72, 1321-1321.	0.9	26
124	Changes in Lignin and Polysaccharide Components in 13 Cultivars of Rice Straw following Dilute Acid Pretreatment as Studied by Solution-State 2D 1H-13C NMR. <i>PLoS ONE</i> , 2015, 10, e0128417.	2.5	26
125	Mannan endo-1,4- β -mannosidase from <i>Kitasatospora</i> sp. isolated in Indonesia and its potential for production of manno oligosaccharides from mannan polymers. <i>AMB Express</i> , 2017, 7, 100.	3.0	25
126	Emerging crosslinking techniques for glove manufacturers with improved nitrile glove properties and reduced allergic risks. <i>Materials Today Communications</i> , 2019, 19, 39-50.	1.9	25

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127	Recognition and effective degradation of 17 β -estradiol by anti-estradiol-antibody-immobilized TiO ₂ nanoparticles. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 339-342.	2.2	24
128	Sugar consumption and ethanol fermentation by transporter-overexpressed xylose-metabolizing <i>Saccharomyces cerevisiae</i> harboring a xyloseisomerase pathway. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 209-211.	2.2	24
129	Cell Wall Trapping of Autocrine Peptides for Human G-Protein-Coupled Receptors on the Yeast Cell Surface. <i>PLoS ONE</i> , 2012, 7, e37136.	2.5	24
130	Selection of oleaginous yeasts capable of high lipid accumulation during challenges from inhibitory chemical compounds. <i>Biochemical Engineering Journal</i> , 2018, 137, 182-191.	3.6	24
131	Construction of an <i>Aspergillus oryzae</i> cell-surface display system using a putative GPI-anchored protein. <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 711-719.	3.6	23
132	Importance of asparagine residues at positions 13 and 26 on the amino-terminal domain of human somatostatin receptor subtype-5 in signalling. <i>Journal of Biochemistry</i> , 2010, 147, 867-873.	1.7	23
133	Enzymatic glutathione production using metabolically engineered <i>Saccharomyces cerevisiae</i> as a whole-cell biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1001-1006.	3.6	23
134	Efficient heterologous expression and secretion in <i>Aspergillus oryzae</i> of a llama variable heavy-chain antibody fragment VHH against EGFR. <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 81-88.	3.6	23
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272	Genotypic effects on sugar and by-products of liquid hydrolysates and on saccharification of acid-insoluble residues from wheat straw. Genes and Genetic Systems, 2018, 93, 1-7.	0.7	0
273	A Cancer Treatment Strategy That Combines the Use of Inorganic/Biocomplex Nanoparticles With Conventional Radiation Therapy. , 2018, , 439-443.		0
274	3-Amino-4-hydroxybenzoic acid production from glucose and/or xylose via recombinant <i>Streptomyces lividans</i> . Journal of General and Applied Microbiology, 2022, , .	0.7	0