

Chiaki Ogino

List of Publications by Year in descending order

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274
papers

9,012
citations

41339

49
h-index

76898

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- D -Lactic Acid via Xylose Fermentation by Introduction of Xylose Assimilation Genes and Redirection of the Phosphoketolase Pathway to the Pentose Phosphate Pathway in L -Lactate Dehydrogenase Gene-Deficient <i>Lactobacillus plantarum</i> . Applied and Environmental Microbiology, 2009, 75, 7858-7861.	3.1	84
20	Novel strategy for yeast construction using $\hat{\Gamma}$ -integration and cell fusion to efficiently produce ethanol from raw starch. Applied Microbiology and Biotechnology, 2010, 85, 1491-1498.	3.6	83
21	Targeted sonodynamic therapy using protein-modified TiO ₂ nanoparticles. Ultrasonics Sonochemistry, 2012, 19, 607-614.	8.2	76
22	Ionic liquid/ultrasound pretreatment and in situ enzymatic saccharification of bagasse using biocompatible cholinium ionic liquid. Bioresource Technology, 2015, 176, 169-174.	9.6	76
23	Ethanol production from cellulosic materials using cellulase-expressing yeast. Biotechnology Journal, 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> . Bioresource Technology, 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> . Journal of Bioscience and Bioengineering, 2018, 125, 695-702.	2.2	72
26	Kinetics of disinfection of <i>Escherichia coli</i> by catalytic ultrasonic irradiation with TiO ₂ . Biochemical Engineering Journal, 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. Microbial Cell Factories, 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. Chemical Engineering Journal, 2015, 259, 323-329.	12.7	69
29	Homo- D -Lactic Acid Fermentation from Arabinose by Redirection of the Phosphoketolase Pathway to the Pentose Phosphate Pathway in L -Lactate Dehydrogenase Gene-Deficient <i>Lactobacillus plantarum</i> . Applied and Environmental Microbiology, 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. Biotechnology for Biofuels, 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. Chemical Engineering Journal, 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. Radiation Oncology, 2016, 11, 91.	2.7	67
33	Cholinium carboxylate ionic liquids for pretreatment of lignocellulosic materials to enhance subsequent enzymatic saccharification. Biochemical Engineering Journal, 2013, 71, 25-29.	3.6	65
34	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. Green Chemistry, 2011, 13, 2948.	9.0	64
35	Short time ionic liquids pretreatment on lignocellulosic biomass to enhance enzymatic saccharification. Bioresource Technology, 2012, 103, 446-452.	9.6	64
36	Disinfection of <i>Legionella pneumophila</i> by ultrasonic treatment with TiO ₂ . Water Research, 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 celooligosaccharides 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
135	Effect of post-pretreatment washing on saccharification and co-fermentation from bagasse pretreated with biocompatible cholinium ionic liquid. <i>Biochemical Engineering Journal</i> , 2015, 103, 198-204.	3.6	23
136	Ionic liquid pretreatment of bagasse improves mechanical property of bagasse/polypropylene composites. <i>Industrial Crops and Products</i> , 2017, 109, 158-162.	5.2	23
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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