

Chiaki Ogino

List of Publications by Citations

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266
papers

7,243
citations

45
h-index

66
g-index

291
ext. papers

8,078
ext. citations

5.9
avg, IF

5.98
L-index

#	Paper	IF	Citations
266	Sonocatalytic degradation of methylene blue with TiO ₂ pellets in water. <i>Ultrasonics Sonochemistry</i> , 2007 , 14, 184-90	8.9	266
265	Biotechnological production of enantiomeric pure lactic acid from renewable resources: recent achievements, perspectives, and limits. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 413-23	5.7	208
264	Bioprocessing of bio-based chemicals produced from lignocellulosic feedstocks. <i>Current Opinion in Biotechnology</i> , 2016 , 42, 30-39	11.4	153
263	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, 32-7	3.7	131
262	Cocktail delta-integration: a novel method to construct cellulolytic enzyme expression ratio-optimized yeast strains. <i>Microbial Cell Factories</i> , 2010 , 9, 32	6.4	121
261	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	118
260	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, 381-8	5.7	115
259	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	7.8	95
258	Recent developments in yeast cell surface display toward extended applications in biotechnology. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 577-91	5.7	93
257	Building a global alliance of biofoundries. <i>Nature Communications</i> , 2019 , 10, 2040	17.4	91
256	Sonocatalytic facilitation of hydroxyl radical generation in the presence of TiO ₂ . <i>Ultrasonics Sonochemistry</i> , 2008 , 15, 988-94	8.9	84
255	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, 171-6	3.8	81
254	A simple and immediate method for simultaneously evaluating expression level and plasmid maintenance in yeast. <i>Journal of Biochemistry</i> , 2009 , 145, 701-8	3.1	81
253	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	3.8	80
252	Enhanced OH radical generation by dual-frequency ultrasound with TiO ₂ nanoparticles: its application to targeted sonodynamic therapy. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 289-94	8.9	76
251	Microbial conversion of biomass into bio-based polymers. <i>Bioresource Technology</i> , 2017 , 245, 1664-1673	11	76
250	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. <i>Bioengineered</i> , 2019 , 10, 574-592	5.7	75

249	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> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 7858-61	4.8	75
248	Novel strategy for yeast construction using delta-integration and cell fusion to efficiently produce ethanol from raw starch. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 1491-8	5.7	75
247	Isoflavone aglycones production from isoflavone glycosides by display of beta-glucosidase from <i>Aspergillus oryzae</i> on yeast cell surface. <i>Applied Microbiology and Biotechnology</i> , 2008 , 79, 51-60	5.7	75
246	Ionic liquid/ultrasound pretreatment and in situ enzymatic saccharification of bagasse using biocompatible cholinium ionic liquid. <i>Bioresource Technology</i> , 2015 , 176, 169-74	11	68
245	Ethanol production from cellulosic materials using cellulase-expressing yeast. <i>Biotechnology Journal</i> , 2010 , 5, 449-55	5.6	66
244	Kinetics of disinfection of <i>Escherichia coli</i> by catalytic ultrasonic irradiation with TiO ₂ . <i>Biochemical Engineering Journal</i> , 2005 , 25, 243-248	4.2	66
243	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	14.7	64
242	Targeted sonodynamic therapy using protein-modified TiO ₂ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2012 , 19, 607-14	8.9	63
241	Short time ionic liquids pretreatment on lignocellulosic biomass to enhance enzymatic saccharification. <i>Bioresource Technology</i> , 2012 , 103, 446-52	11	62
240	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	14.7	60
239	Cholinium carboxylate ionic liquids for pretreatment of lignocellulosic materials to enhance subsequent enzymatic saccharification. <i>Biochemical Engineering Journal</i> , 2013 , 71, 25-29	4.2	60
238	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	11	59
237	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. <i>Green Chemistry</i> , 2011 , 13, 2948	10	58
236	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> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5175-8	4.8	58
235	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	6.4	57
234	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	4.2	55
233	Disinfection of <i>Legionella pneumophila</i> by ultrasonic treatment with TiO ₂ . <i>Water Research</i> , 2006 , 40, 1137-42	12.5	53
232	Over-expression system for secretory phospholipase D by <i>Streptomyces lividans</i> . <i>Applied Microbiology and Biotechnology</i> , 2004 , 64, 823-8	5.7	52

231	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	4.1	50
230	Selection of DNA aptamers using atomic force microscopy. <i>Nucleic Acids Research</i> , 2010 , 38, e21	20.1	50
229	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	5.7	50
228	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, 80-5	3.3	49
227	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	3.3	48
226	Targeted sonocatalytic cancer cell injury using avidin-conjugated titanium dioxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1624-8	8.9	46
225	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	4.2	45
224	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	7.8	45
223	Glutamate production from β -glucan using endoglucanase-secreting <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 895-901	5.7	45
222	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, 6723-9	11	45
221	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, 410-6	11	44
220	Selection of a DNA aptamer that binds 8-OHdG using GMP-agarose. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3619-22	2.9	44
219	Purification, characterization, and sequence determination of phospholipase D secreted by <i>Streptovercillium cinnamoneum</i> . <i>Journal of Biochemistry</i> , 1999 , 125, 263-9	3.1	44
218	Future insights in fungal metabolic engineering. <i>Bioresource Technology</i> , 2017 , 245, 1314-1326	11	43
217	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	5.7	43
216	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, 135-45	5.7	42
215	Repeated fermentation from raw starch using <i>Saccharomyces cerevisiae</i> displaying both glucoamylase and α -amylase. <i>Enzyme and Microbial Technology</i> , 2012 , 50, 343-7	3.8	42
214	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	4.2	42

213	Effect of ionic liquid weight ratio on pretreatment of bamboo powder prior to enzymatic saccharification. <i>Bioresource Technology</i> , 2013 , 128, 188-92	11	41
212	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, 4149-54	4.8	41
211	Lipase cocktail for efficient conversion of oils containing phospholipids to biodiesel. <i>Bioresource Technology</i> , 2016 , 211, 224-30	11	41
210	Cell-SELEX based selection and characterization of DNA aptamer recognizing human hepatocarcinoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 1797-802	2.9	38
209	D-lactic acid production from cellooligosaccharides and beta-glucan using L-LDH gene-deficient and endoglucanase-secreting <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 643-50	5.7	38
208	Potential uses of titanium dioxide in conjunction with ultrasound for improved disinfection. <i>Biochemical Engineering Journal</i> , 2010 , 48, 416-423	4.2	38
207	Properties of TiO ₂ -polyacrylic acid dispersions with potential for molecular recognition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 64, 10-5	6	38
206	Cinnamic acid production using <i>Streptomyces lividans</i> expressing phenylalanine ammonia lyase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 643-8	4.2	37
205	Gene copy number and polyploidy on products formation in yeast. <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 849-57	5.7	37
204	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, 4300-4	11.5	37
203	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	4.2	36
202	<i>Aspergillus oryzae</i> -based cell factory for direct kojic acid production from cellulose. <i>Microbial Cell Factories</i> , 2014 , 13, 71	6.4	36
201	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, 738-43	8.9	36
200	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	3.8	35
199	Engineering of a novel cellulose-adherent cellulolytic <i>Saccharomyces cerevisiae</i> for cellulosic biofuel production. <i>Scientific Reports</i> , 2016 , 6, 24550	4.9	34
198	Microwave pretreatment of lignocellulosic material in cholinium ionic liquid for efficient enzymatic saccharification. <i>Biochemical Engineering Journal</i> , 2014 , 90, 90-95	4.2	34
197	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 182, 229-237	3.2	34
196	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, 393-6	3.8	34

195	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, 1215-21	5.7	34
194	Specific protein delivery to target cells by antibody-displaying bionanocapsules. <i>Journal of Biochemistry</i> , 2008 , 144, 701-7	3.1	34
193	Characterization of cellulose nanofiber sheets from different refining processes. <i>Cellulose</i> , 2016 , 23, 403-414	5.5	33
192	Fractal analysis of Daphnia motion for acute toxicity bioassay. <i>Environmental Toxicology</i> , 2002 , 17, 441-8	4.2	33
191	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		32
190	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, 6265-70	4.8	32
189	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	11	31
188	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	9.4	31
187	Over-production of various secretory-form proteins in <i>Streptomyces lividans</i> . <i>Protein Expression and Purification</i> , 2010 , 73, 198-202	2	30
186	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, 5320-5	2.9	30
185	Immobilized lipases for biodiesel production: Current and future greening opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 134, 110355	16.2	30
184	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	6.4	29
183	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	11	29
182	Efficient direct ethanol production from cellulose by cellulase- and cellodextrin transporter-co-expressing <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , 2013 , 3, 34	4.1	29
181	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, 667-74	3.1	29
180	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	8.3	28
179	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, 1537-44	5.7	28
178	Decolorization of methylene blue in aqueous suspensions of titanium peroxide. <i>Journal of Hazardous Materials</i> , 2008 , 153, 551-6	12.8	28

177	GH-10 and GH-11 Endo-1,4- β -xyylanase 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	11	28
176	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	5.7	27
175	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, 1171-7	5.7	27
174	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	10.3	27
173	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	14.7	27
172	Bioenergy and Biorefinery: Feedstock, Biotechnological Conversion, and Products. <i>Biotechnology Journal</i> , 2019 , 14, e1800494	5.6	26
171	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, 263-8	11	26
170	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	11.4	26
169	Particle size for photocatalytic activity of anatase TiO ₂ nanosheets with highly exposed {001} facets. <i>RSC Advances</i> , 2013 , 3, 19268	3.7	26
168	Low melting point pyridinium ionic liquid pretreatment for enhancing enzymatic saccharification of cellulosic biomass. <i>Bioresource Technology</i> , 2013 , 135, 103-8	11	26
167	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, 875-84	3.1	26
166	Repeated batch fermentation from raw starch using a maltose transporter and amylase expressing diploid yeast strain. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 109-15	5.7	26
165	Development of a multi-gene expression system in <i>Xanthophyllomyces dendrorhous</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 175	6.4	25
164	Protein-protein interactions and selection: yeast-based approaches that exploit guanine nucleotide-binding protein signaling. <i>FEBS Journal</i> , 2010 , 277, 1982-95	5.7	25
163	Abstract 1321: A novel prevention method against re-obstruction of titanium alloy stent for biliary malignancy using generation of hydroxyl radical under ultrasonic irradiation 2012 ,		25
162	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	9.4	24
161	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, 331-5	3.8	24
160	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	6.4	24

159	Phenyllactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. <i>Bioresource Technology</i> , 2015 , 182, 169-178	11	24
158	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2015 , 198, 410-7	11	23
157	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	5.3	23
156	Production of <i>Streptovorticillium cinnamoneum</i> transglutaminase and cinnamic acid by recombinant <i>Streptomyces lividans</i> cultured on biomass-derived carbon sources. <i>Bioresource Technology</i> , 2012 , 104, 648-51	11	23
155	Biofunctional TiO ₂ nanoparticle-mediated photokilling of cancer cells using UV irradiation. <i>MedChemComm</i> , 2010 , 1, 209	5	23
154	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	10	22
153	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	4.1	22
152	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	6.4	22
151	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, 867-73	3.1	22
150	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		22
149	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, 711-9	5.7	22
148	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	7.8	22
147	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <i>Bioresource Technology</i> , 2017 , 245, 1413-1420	11	21
146	Cell wall trapping of autocrine peptides for human G-protein-coupled receptors on the yeast cell surface. <i>PLoS ONE</i> , 2012 , 7, e37136	3.7	21
145	Enzymatic glutathione production using metabolically engineered <i>Saccharomyces cerevisiae</i> as a whole-cell biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 1001-6	5.7	21
144	Affibody-displaying bionanocapsules for specific drug delivery to HER2-expressing cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 5726-31	2.9	21
143	Recognition and effective degradation of 17β-estradiol by anti-estradiol-antibody-immobilized TiO ₂ nanoparticles. <i>Journal of Bioscience and Bioengineering</i> , 2007 , 104, 339-42	3.3	21
142	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	3.7	21

141	Mechanism of the Fe-Assisted Hydrothermal Liquefaction of Lignocellulosic Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14870-14877	3.9	21
140	Precipitate obtained following membrane separation of hydrothermally pretreated rice straw liquid revealed by 2D NMR to have high lignin content. <i>Biotechnology for Biofuels</i> , 2015 , 8, 88	7.8	20
139	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, 209-11	3.3	20
138	Efficient heterologous expression and secretion in <i>Aspergillus oryzae</i> of a llama variable heavy-chain antibody fragment V(HH) against EGFR. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 81-8	5.7	20
137	Display of both N- and C-terminal target fusion proteins on the <i>Aspergillus oryzae</i> cell surface using a chitin-binding module. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 1783-9	5.7	20
136	Ionic liquid pretreatment of bagasse improves mechanical property of bagasse/polypropylene composites. <i>Industrial Crops and Products</i> , 2017 , 109, 158-162	5.9	19
135	Enzymatic synthesis and modification of structured phospholipids: recent advances in enzyme preparation and biocatalytic processes. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 7879-91	5.7	19
134	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 ²	4.2	19
133	DNA-duplex linker for AFM-SELEX of DNA aptamer against human serum albumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 954-957	2.9	18
132	Conversion of <i>Chlamydomonas</i> sp. JSC4 lipids to biodiesel using <i>Fusarium heterosporum</i> lipase-expressing <i>Aspergillus oryzae</i> whole-cell as biocatalyst. <i>Algal Research</i> , 2017 , 28, 16-23	5	18
131	Characterization of titanium dioxide nanoparticles modified with polyacrylic acid and HO for use as a novel radiosensitizer. <i>Free Radical Research</i> , 2016 , 50, 1319-1328	4	18
130	Green synthesis of Au, Pd and Au@Pd core-shell nanoparticles via a tryptophan induced supramolecular interface. <i>RSC Advances</i> , 2013 , 3, 18367	3.7	18
129	Ethanol fermentation by xylose-assimilating <i>Saccharomyces cerevisiae</i> using sugars in a rice straw liquid hydrolysate concentrated by nanofiltration. <i>Bioresource Technology</i> , 2013 , 147, 84-88	11	18
128	Induction of apoptosis associated with chromosomal DNA fragmentation and caspase-3 activation in leukemia L1210 cells by TiO ₂ nanoparticles. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 129-33 ³	3.3	18
127	Lipase-catalyzed ethanolysis for biodiesel production of untreated palm oil mill effluent. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1105-1111	5.8	18
126	Modified expression of multi-cellulases in a filamentous fungus <i>Aspergillus oryzae</i> . <i>Bioresource Technology</i> , 2019 , 276, 146-153	11	18
125	Engineering hepatitis B virus core particles for targeting HER2 receptors in vitro and in vivo. <i>Biomaterials</i> , 2017 , 120, 126-138	15.6	17
124	Repeated ethanol production from sweet sorghum juice concentrated by membrane separation. <i>Bioresource Technology</i> , 2015 , 186, 351-355	11	17

123	Efficient and direct glutathione production from raw starch using engineered <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1417-22	5.7	17
122	Variation in biomass properties among rice diverse cultivars. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1603-5	2.1	17
121	Electro-catalytically active Au@Pt nanoparticles for hydrogen evolution reaction: an insight into a tryptophan mediated supramolecular interface towards a universal core-shell synthesis approach. <i>RSC Advances</i> , 2014 , 4, 48458-48464	3.7	16
120	Thermal stability and starch degradation profile of α -amylase from <i>Streptomyces avermitilis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 2449-53	2.1	16
119	Remarkable enhancement in PLD activity from <i>Streptomyces cinnamomeus</i> by substituting serine residue into the GG/GS motif. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 671-8	4	16
118	Comprehension of an organosolv process for lignin extraction on <i>Festuca arundinacea</i> and monitoring of the cellulose degradation. <i>Industrial Crops and Products</i> , 2016 , 94, 308-317	5.9	16
117	Selection of oleaginous yeasts capable of high lipid accumulation during challenges from inhibitory chemical compounds. <i>Biochemical Engineering Journal</i> , 2018 , 137, 182-191	4.2	16
116	Direct and highly productive conversion of cyanobacteria to ethanol with CaCl addition. <i>Biotechnology for Biofuels</i> , 2018 , 11, 50	7.8	15
115	Metabolome analysis-based design and engineering of a metabolic pathway in <i>Corynebacterium glutamicum</i> to match rates of simultaneous utilization of D-glucose and L-arabinose. <i>Microbial Cell Factories</i> , 2018 , 17, 76	6.4	15
114	Optimized membrane process to increase hemicellulosic ethanol production from pretreated rice straw by recombinant xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2014 , 169, 380-386	11	15
113	Biochemical characterization of a thermostable β -1,3-xylanase from the hyperthermophilic eubacterium, <i>Thermotoga neapolitana</i> strain DSM 4359. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 6749-57	5.7	15
112	Glucose content in the liquid hydrolysate after dilute acid pretreatment is affected by the starch content in rice straw. <i>Bioresource Technology</i> , 2013 , 149, 520-4	11	15
111	Oxidative depolymerization potential of biorefinery lignin obtained by ionic liquid pretreatment and subsequent enzymatic saccharification of eucalyptus. <i>Industrial Crops and Products</i> , 2018 , 111, 457-467	5.9	15
110	Mannan endo-1,4- α -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	4.1	14
109	Microbial fluorescence sensing for human neurotensin receptor type 1 using β -glucuronidase engineered yeast cells. <i>Analytical Biochemistry</i> , 2014 , 446, 37-43	3.1	14
108	Increased ethanol production from sweet sorghum juice concentrated by a membrane separation process. <i>Bioresource Technology</i> , 2014 , 169, 821-825	11	14
107	Pretreatment of Japanese cedar by ionic liquid solutions in combination with acid and metal ion and its application to high solid loading. <i>Biotechnology for Biofuels</i> , 2014 , 7, 120	7.8	14
106	Genetic engineering of bio-nanoparticles for drug delivery: a review. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 2063-85	4	14

105	Inactivation of Escherichia coli by sonoelectrocatalytic disinfection using TiO ₂ as electrode. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 762-7	8.9	14
104	Biotinylated bionanocapsules for displaying diverse ligands toward cell-specific delivery. <i>Journal of Biochemistry</i> , 2009 , 146, 867-74	3.1	14
103	Reconstitution of GTP-gamma-S-dependent phospholipase D activity with ARF, RhoA, and a soluble 36-kDa protein. <i>FEBS Letters</i> , 1996 , 387, 141-4	3.8	14
102	5-Hydroxymethylfurfural production from salt-induced photoautotrophically cultivated <i>Chlorella sorokiniana</i> . <i>Biochemical Engineering Journal</i> , 2019 , 142, 117-123	4.2	14
101	Simultaneous conversion of free fatty acids and triglycerides to biodiesel by immobilized <i>Aspergillus oryzae</i> expressing <i>Fusarium heterosporum</i> lipase. <i>Biotechnology Journal</i> , 2017 , 12, 1600400	5.6	13
100	Construction of arginine-rich peptide displaying bionanocapsules. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 1473-6	2.9	13
99	Fe-assisted hydrothermal liquefaction of cellulose: Effects of hydrogenation catalyst addition on properties of water-soluble fraction. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 145, 104719	6	13
98	Identification of novel membrane-bound phospholipase D from <i>Streptovercillium cinnamomeum</i> , possessing only hydrolytic activity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001 , 1530, 23-31	5	12
97	Biodiesel-mediated biodiesel production: A recombinant <i>Fusarium heterosporum</i> lipase-catalyzed transesterification of crude plant oils. <i>Fuel Processing Technology</i> , 2020 , 199, 106278	7.2	12
96	Development of a strictly regulated xylose-induced expression system in <i>Streptomyces</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 151	6.4	12
95	Glutathione production from mannan-based bioresource by mannanase/mannosidase expressing <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2017 , 245, 1400-1406	11	11
94	High cell density cultivation of <i>Lipomyces starkeyi</i> for achieving highly efficient lipid production from sugar under low C/N ratio. <i>Biochemical Engineering Journal</i> , 2019 , 149, 107236	4.2	11
93	Combined Cell Surface Display of β -D-Glucosidase (BGL), Maltose Transporter (MAL11), and Overexpression of Cytosolic Xylose Reductase (XR) in <i>Saccharomyces cerevisiae</i> Enhance Cellobiose/Xylose Couitilization for Xylitol Bioproduction from Lignocellulosic Biomass. <i>Biotechnology Journal</i> , 2019 , 14, e1800704	5.6	11
92	Granting specificity for breast cancer cells using a hepatitis B core particle with a HER2-targeted affibody molecule. <i>Journal of Biochemistry</i> , 2013 , 153, 251-6	3.1	11
91	Production of chemicals and proteins using biomass-derived substrates from a <i>Streptomyces</i> host. <i>Bioresource Technology</i> , 2017 , 245, 1655-1663	11	11
90	Ultrasonic inactivation of <i>Microcystis aeruginosa</i> in the presence of TiO ₂ particles. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 214-8	3.3	11
89	An integrative process model of enzymatic biodiesel production through ethanol fermentation of brown rice followed by lipase-catalyzed ethanolysis in a water-containing system. <i>Enzyme and Microbial Technology</i> , 2013 , 52, 118-22	3.8	11
88	Characterization of yeast cell surface displayed <i>Aspergillus oryzae</i> β -glucosidase 1 high hydrolytic activity for soybean isoflavone. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008 , 55, 69-75		11

87	The 5-HT(1A) receptor agonist, 8-OH-DPAT, attenuates stress-induced anorexia in conjunction with the suppression of hypothalamic serotonin release in rats. <i>Brain Research</i> , 2000 , 887, 178-82	3.7	11
86	Valorization of palm biomass waste into carbon matrices for the immobilization of recombinant <i>Fusarium heterosporum</i> lipase towards palm biodiesel synthesis. <i>Biomass and Bioenergy</i> , 2020 , 142, 105768	5.3	11
85	Enhanced Phenyllactic Acid Production in <i>Escherichia coli</i> Via Oxygen Limitation and Shikimate Pathway Gene Expression. <i>Biotechnology Journal</i> , 2019 , 14, e1800478	5.6	11
84	Emerging crosslinking techniques for glove manufacturers with improved nitrile glove properties and reduced allergic risks. <i>Materials Today Communications</i> , 2019 , 19, 39-50	2.5	11
83	Metabolic engineering of <i>Corynebacterium glutamicum</i> for production of sunscreen shinorine. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018 , 82, 1252-1259	2.1	10
82	Cloning and starch degradation profile of maltotriose-producing amylases from <i>Streptomyces</i> species. <i>Biotechnology Letters</i> , 2014 , 36, 2311-7	3	10
81	Challenges of non-flocculating <i>Saccharomyces cerevisiae</i> haploid strain against inhibitory chemical complex for ethanol production. <i>Bioresource Technology</i> , 2017 , 245, 1436-1446	11	10
80	Acceleration of wound healing by ultrasound activation of TiO in <i>Escherichia coli</i> -infected wounds in mice. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 2344-2351	3.5	10
79	Improvement of enzymatic activity of β -glucosidase from <i>Thermotoga maritima</i> by 1-butyl-3-methylimidazolium acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 104, 17-22		10
78	Applications of yeast cell-surface display in bio-refinery. <i>Recent Patents on Biotechnology</i> , 2010 , 4, 226-34.2	4.2	10
77	Complex carriers of affibody-displaying bio-nanocapsules and composition-varied liposomes for HER2-expressing breast cancer cell-specific protein delivery. <i>Journal of Drug Targeting</i> , 2012 , 20, 897-905	5.4	10
76	Detection of benzene derivatives by recombinant <i>E. coli</i> with Ps promoter and GFP as a reporter protein. <i>Biochemical Engineering Journal</i> , 2003 , 15, 193-197	4.2	10
75	Lipid production by <i>Lipomyces starkeyi</i> using sap squeezed from felled old oil palm trunks. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 726-731	3.3	10
74	Yield Optimisation of Hepatitis B Virus Core Particles in <i>E. coli</i> Expression System for Drug Delivery Applications. <i>Scientific Reports</i> , 2017 , 7, 43160	4.9	9
73	Valorization of Activated Carbon as a Reusable Matrix for the Immobilization of <i>Aspergillus oryzae</i> Whole-Cells Expressing <i>Fusarium heterosporum</i> Lipase toward Biodiesel Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5010-5017	8.3	9
72	Effective saccharification of kraft pulp by using a cellulase cocktail prepared from genetically engineered <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 1034-7	2.1	9
71	In vivo tissue distribution and safety of polyacrylic acid-modified titanium peroxide nanoparticles as novel radiosensitizers. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 119-125	3.3	9
70	Development of a glutathione production process from proteinaceous biomass resources using protease-displaying <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 1495-507	5.7	9

69	Sidewall modification of multiwalled carbon nanotubes by <i>Allium sativum</i> (garlic) and its effect on the deposition of gold nanoparticles. <i>Carbon</i> , 2013 , 56, 309-316	10.4	9
68	Development of a novel aptamer-based sensing system using atomic force microscopy. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 511-4	3.3	9
67	Fatty acid production from butter using novel cutinase-displaying yeast. <i>Enzyme and Microbial Technology</i> , 2010 , 46, 194-199	3.8	9
66	Investigation of the potential of using TiO ₂ nanoparticles as a contrast agent in computed tomography and magnetic resonance imaging. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3143-3148	3.3	9
65	Sucrose purification and repeated ethanol production from sugars remaining in sweet sorghum juice subjected to a membrane separation process. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6007-6014	5.7	8
64	Repeated ethanol fermentation from membrane-concentrated sweet sorghum juice using the flocculating yeast <i>Saccharomyces cerevisiae</i> F118 strain. <i>Bioresource Technology</i> , 2018 , 265, 542-547	11	8
63	Structural evaluation of the DNA aptamer for ATP DH25.42 by AFM. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2014 , 33, 31-9	1.4	8
62	The mapping of yeast G-protein coupled receptor with an atomic force microscope. <i>Nanoscale</i> , 2015 , 7, 4956-63	7.7	8
61	Phospholipase D from <i>Streptoverticillium cinnamomeum</i> : protein engineering and application for phospholipid production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003 , 23, 107-115		8
60	Exploration and Evaluation of Machine Learning-Based Models for Predicting Enzymatic Reactions. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 1833-1843	6.1	7
59	Xylanase and feruloyl esterase from actinomycetes cultures could enhance sugarcane bagasse hydrolysis in the production of fermentable sugars. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018 , 1-12	2.1	7
58	Ability of a perfluoropolymer membrane to tolerate by-products of ethanol fermentation broth from dilute acid-pretreated rice straw. <i>Biochemical Engineering Journal</i> , 2013 , 70, 135-139	4.2	7
57	Ester synthesis reaction with CALB displaying yeast whole cell biocatalyst: effect of organic solvent and initial water content. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, 369-71	3.3	7
56	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000193	5.9	7
55	Titanium oxide nano-radiosensitizers for hydrogen peroxide delivery into cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 198, 111451	6	7
54	High Enzymatic Recovery and Purification of Xylooligosaccharides from Empty Fruit Bunch via Nanofiltration. <i>Processes</i> , 2020 , 8, 619	2.9	6
53	Engineering Human Epidermal Growth Receptor 2-Targeting Hepatitis B Virus Core Nanoparticles for siRNA Delivery and. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3269-3282	5.6	6
52	Green synthesis of thiolated graphene nanosheets by alliin (garlic) and its effect on the deposition of gold nanoparticles. <i>RSC Advances</i> , 2014 , 4, 5986	3.7	6

51	Kinetic characterization and Mg ²⁺ enhancement of <i>Streptomyces griseocarneus</i> sphingomyelinase C produced by recombinant <i>Streptomyces lividans</i> . <i>Protein Expression and Purification</i> , 2012 , 81, 151-6	2	6
50	Affibody-displaying bio-nanocapsules effective in EGFR, typical biomarker, expressed in various cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 336-341	2.9	5
49	Pyruvate metabolism redirection for biological production of commodity chemicals in aerobic fungus <i>Aspergillus oryzae</i> . <i>Metabolic Engineering</i> , 2020 , 61, 225-237	9.7	5
48	Nanofiltration concentration of extracellular glutathione produced by engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 96-100	3.3	5
47	An affinity chromatography method used to purify His-tag-displaying bio-nanocapsules. <i>Journal of Virological Methods</i> , 2013 , 189, 393-6	2.6	5
46	Extracellular production of a sphingomyelinase from <i>Streptomyces griseocarneus</i> using <i>Streptomyces lividans</i> . <i>Biotechnology Letters</i> , 2011 , 33, 727-31	3	5
45	Continuous production of phospholipase D using immobilized recombinant <i>Streptomyces lividans</i> . <i>Enzyme and Microbial Technology</i> , 2007 , 41, 156-161	3.8	5
44	Sonocatalytic injury of cancer cells attached on the surface of a nickel-titanium dioxide alloy plate. <i>Ultrasonics Sonochemistry</i> , 2016 , 28, 1-6	8.9	4
43	Expression of cold-adapted E1,3-xylanase as a fusion protein with a ProS2 tag and purification using immobilized metal affinity chromatography with a high concentration of ArgHCl. <i>Biotechnology Letters</i> , 2015 , 37, 89-94	3	4
42	A Comparative Assessment of Mechanisms and Effectiveness of Radiosensitization by Titanium Peroxide and Gold Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
41	Characterizations of the submerged fermentation of <i>Aspergillus oryzae</i> using a Fullzone impeller in a stirred tank bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 101-108	3.3	4
40	An energy-saving glutathione production method from low-temperature cooked rice using amylase-expressing <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Journal</i> , 2012 , 7, 686-9	5.6	4
39	Improvement of transphosphatidylolation reaction model of phospholipase D from <i>Streptoverticillium cinnamomeum</i> . <i>Biochemical Engineering Journal</i> , 2002 , 10, 115-121	4.2	4
38	Mapping of endoglucanases displayed on yeast cell surface using atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 151, 134-142	6	3
37	Mutation of arginine residues to avoid non-specific cellular uptakes for hepatitis B virus core particles. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 15	9.4	3
36	Natural variation in the glucose content of dilute sulfuric acid-pretreated rice straw liquid hydrolysates: implications for bioethanol production. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 863-9	2.1	3
35	Efficient and Supplementary Enzyme Cocktail from Actinobacteria and Plant Biomass Induction. <i>Biotechnology Journal</i> , 2019 , 14, e1700744	5.6	3
34	Protein-encapsulated bio-nanocapsules production with ER membrane localization sequences. <i>Journal of Biotechnology</i> , 2012 , 157, 124-9	3.7	3

33	Recent advances in lignocellulosic biomass white biotechnology for bioplastics. <i>Bioresource Technology</i> , 2022 , 344, 126165	11	3
32	An integrated biorefinery strategy for the utilization of palm-oil wastes. <i>Bioresource Technology</i> , 2022 , 344, 126266	11	3
31	Using a flexible shaft agitator to enhance the rheology of a complex fungal fermentation culture. <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 1793-801	3.7	3
30	Utilizing palm oil mill effluent (POME) for the immobilization of <i>Aspergillus oryzae</i> whole-cell lipase strains for biodiesel synthesis. <i>Biofuels, Bioproducts and Biorefining</i> , 2021 , 15, 804-814	5.3	3
29	Differences in glucose yield of residues from among varieties of rice, wheat, and sorghum after dilute acid pretreatment. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017 , 81, 1650-1656	2.1	2
28	Bear-trap sensing of somatostatin via split aptamers and atomic force microscopy. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 600-605	8.5	2
27	The effect of combining signal sequences with the N28 fragment on GFP production in <i>Aspergillus oryzae</i> . <i>Process Biochemistry</i> , 2014 , 49, 1078-1083	4.8	2
26	Image analyzing method to evaluate in situ bioluminescence from an obligate anaerobe cultivated under various dissolved oxygen concentrations. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 196-199	3.3	2
25	Screening and evaluation of aptamers against somatostatin, and sandwich-like monitoring of somatostatin based on atomic force microscopy. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 813-821	8.5	2
24	Overexpression of CO ₂ -responsive CCT protein, a key regulator of starch synthesis strikingly increases the glucose yield from rice straw for bioethanol production. <i>Plant Production Science</i> , 2017 , 20, 441-447	2.4	2
23	Current Status and Future Perspectives of Bio-Refinery. <i>Kagaku To Seibutsu</i> , 2015 , 53, 689-695	0	2
22	Bioethanol production from mixed sugars using sugar uptake ability enhanced yeast strain by overexpression of transporters. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, S53	3.3	2
21	Evaluation of cell surface-displayed protein stability against simulated gastric fluid. <i>Biotechnology Letters</i> , 2009 , 31, 1259-64	3	2
20	Abstract 4341: A novel sonodynamic therapy using hydroxyl radical generated from ultrasound activated TiO ₂ for human epithelial carcinoma cells 2012 ,		2
19	Concentration of Lipase from <i>Aspergillus oryzae</i> Expressing <i>Fusarium heterosporum</i> by Nanofiltration to Enhance Transesterification. <i>Processes</i> , 2020 , 8, 450	2.9	2
18	Accelerated glucose metabolism in hyphae-dispersed <i>Aspergillus oryzae</i> is suitable for biological production. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 132, 140-147	3.3	2
17	Energy Production: Biodiesel 2019 , 43-61		1
16	Mixing Characteristics of Submerged Fungal Fluid in a Flexible Stirred Mixer System. <i>Journal of Chemical Engineering of Japan</i> , 2018 , 51, 143-151	0.8	1

15	Expression, crystallization and preliminary X-ray diffraction studies of thermostable β 1,3-xylanase from <i>Thermotoga neapolitana</i> strain DSM 4359. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011 , 67, 779-81		1
14	Effect of medium compositions on biosensing of benzene derivatives using recombinant <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2003 , 16, 273-278	4.2	1
13	Structural Investigation of Water Trapped in AOT/isooctane Reverse Micelles Containing PEG by Fourier Transform Infrared Spectroscopy.. <i>Kagaku Kogaku Ronbunshu</i> , 2003 , 29, 124-130	0.4	1
12	Constitutive cell surface expression of ZZ domain for the easy preparation of yeast-based immunosorbents. <i>Journal of General and Applied Microbiology</i> , 2021 ,	1.5	1
11	Mathematical Model for Small Size Time Series Data of Bacterial Secondary Metabolic Pathways. <i>Bioinformatics and Biology Insights</i> , 2018 , 12, 1177932218775076	5.3	1
10	Integrated bioconversion process for biodiesel production utilizing waste from the palm oil industry. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107550	6.8	1
9	Manno-Oligosaccharide Production from Biomass Hydrolysis by Using Endo-1,4- β Mannanase (ManNj6-379) from <i>Nonomuraea jabiensis</i> ID06-379. <i>Processes</i> , 2022 , 10, 269	2.9	0
8	Evaluation of the Z-BNC/LP Carrier Encapsulating an Anticancer Drug and a Radiosensitizer.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7743-7751	4.1	0
7	Stable near-infrared photoluminescence from silicon quantum dot/Bovine serum albumin composites. <i>MRS Communications</i> , 2020 , 10, 680-686	2.7	0
6	Reactive oxygen species-inducing titanium peroxide nanoparticles as promising radiosensitizers for eliminating pancreatic cancer stem cells.. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022 , 41, 146	12.8	0
5	Genotypic effects on sugar and by-products of liquid hydrolysates and on saccharification of acid-insoluble residues from wheat straw. <i>Genes and Genetic Systems</i> , 2018 , 93, 1-7	1.4	
4	A Cancer Treatment Strategy That Combines the Use of Inorganic/Biocomplex Nanoparticles With Conventional Radiation Therapy 2018 , 439-443		
3	Direct fermentation of cellulosic materials to ethanol using yeast strains codisplaying three types of cellulolytic enzyme. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, S52	3.3	
2	Study of Titanium Peroxide Nanoparticles for Novel Radiation Therapy. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2016 , 24, 30-34	0	
1	Enhanced production of β amino acid 3-amino-4-hydroxybenzoic acid by recombinant <i>Corynebacterium glutamicum</i> under oxygen limitation.. <i>Microbial Cell Factories</i> , 2021 , 20, 228	6.4	