Chiaki Ogino

List of Publications by Year in Descending Order

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	Manno-Oligosaccharide Production from Biomass Hydrolysis by Using Endo-1,4-β-Mannanase (ManNj6-379) from Nonomuraea jabiensis ID06-379. *Processes*, **2022**, 10, 269	2.9	0
265	Recent advances in lignocellulosic biomass white biotechnology for bioplastics. *Bioresource Technology*, **2022**, 344, 126165	11	3
264	An integrated biorefinery strategy for the utilization of palm-oil wastes. *Bioresource Technology*, **2022**, 344, 126266	11	3
263	Integrated bioconversion process for biodiesel production utilizing waste from the palm oil industry. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107550	6.8	1
262	Reactive oxygen species-inducing titanium peroxide nanoparticles as promising radiosensitizers for eliminating pancreatic cancer stem cells.. *Journal of Experimental and Clinical Cancer Research*, **2022**, 41, 146	12.8	0
261	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. *Advanced Sustainable Systems*, **2021**, 5, 2000193	5.9	7
260	Titanium oxide nano-radiosensitizers for hydrogen peroxide delivery into cancer cells. *Colloids and Surfaces B: Biointerfaces*, **2021**, 198, 111451	6	7
259	Constitutive cell surface expression of ZZ domain for the easy preparation of yeast-based immunosorbents. *Journal of General and Applied Microbiology*, **2021**,	1.5	1
258	Utilizing palm oil mill effluent (POME) for the immobilization of Aspergillus oryzae whole-cell lipase strains for biodiesel synthesis. *Biofuels, Bioproducts and Biorefining*, **2021**, 15, 804-814	5.3	3
257	Accelerated glucose metabolism in hyphae-dispersed Aspergillus oryzae is suitable for biological production. *Journal of Bioscience and Bioengineering*, **2021**, 132, 140-147	3.3	2
256	Enhanced production of β-amino acid 3-amino-4-hydroxybenzoic acid by recombinant Corynebacterium glutamicum under oxygen limitation.. *Microbial Cell Factories*, **2021**, 20, 228	6.4	
255	High Enzymatic Recovery and Purification of Xylooligosaccharides from Empty Fruit Bunch via Nanofiltration. *Processes*, **2020**, 8, 619	2.9	6
254	A Comparative Assessment of Mechanisms and Effectiveness of Radiosensitization by Titanium Peroxide and Gold Nanoparticles. *Nanomaterials*, **2020**, 10,	5.4	4
253	Pyruvate metabolism redirection for biological production of commodity chemicals in aerobic fungus Aspergillus oryzae. *Metabolic Engineering*, **2020**, 61, 225-237	9.7	5
252	Exploration and Evaluation of Machine Learning-Based Models for Predicting Enzymatic Reactions. *Journal of Chemical Information and Modeling*, **2020**, 60, 1833-1843	6.1	7
251	Evaluation of the Z-BNC/LP Carrier Encapsulating an Anticancer Drug and a Radiosensitizer.. *ACS Applied Bio Materials*, **2020**, 3, 7743-7751	4.1	0
250	Fe-assisted hydrothermal liquefaction of cellulose: Effects of hydrogenation catalyst addition on properties of water-soluble fraction. *Journal of Analytical and Applied Pyrolysis*, **2020**, 145, 104719	6	13

249	Lipase-catalyzed ethanolysis for biodiesel production of untreated palm oil mill effluent. *Sustainable Energy and Fuels*, **2020**, 4, 1105-1111	5.8	18
248	Biodiesel-mediated biodiesel production: A recombinant Fusarium heterosporum lipase-catalyzed transesterification of crude plant oils. *Fuel Processing Technology*, **2020**, 199, 106278	7.2	12
247	Immobilized lipases for biodiesel production: Current and future greening opportunities. *Renewable and Sustainable Energy Reviews*, **2020**, 134, 110355	16.2	30
246	Valorization of palm biomass waste into carbon matrices for the immobilization of recombinant Fusarium heterosporum lipase towards palm biodiesel synthesis. *Biomass and Bioenergy*, **2020**, 142, 105768	5.3	11
245	Stable near-infrared photoluminescence from silicon quantum dot□bovine serum albumin composites. *MRS Communications*, **2020**, 10, 680-686	2.7	0
244	Investigation of the potential of using TiO2 nanoparticles as a contrast agent in computed tomography and magnetic resonance imaging. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3143-3148	3.3	9
243	Concentration of Lipase from Aspergillus oryzae Expressing Fusarium heterosporum by Nanofiltration to Enhance Transesterification. *Processes*, **2020**, 8, 450	2.9	2
242	High cell density cultivation of Lipomyces starkeyi for achieving highly efficient lipid production from sugar under low C/N ratio. *Biochemical Engineering Journal*, **2019**, 149, 107236	4.2	11
241	Versatility of a Dilute Acid/Butanol Pretreatment Investigated on Various Lignocellulosic Biomasses to Produce Lignin, Monosaccharides and Cellulose in Distinct Phases. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11069-11079	8.3	28
240	Building a global alliance of biofoundries. *Nature Communications*, **2019**, 10, 2040	17.4	91
239	Energy Production: Biodiesel **2019**, 43-61		1
238	Cell-surface display technology and metabolic engineering of Saccharomyces cerevisiae for enhancing xylitol production from woody biomass. *Green Chemistry*, **2019**, 21, 1795-1808	10	22
237	Bioenergy and Biorefinery: Feedstock, Biotechnological Conversion, and Products. *Biotechnology Journal*, **2019**, 14, e1800494	5.6	26
236	Valorization of Activated Carbon as a Reusable Matrix for the Immobilization of Aspergillus oryzae Whole-Cells Expressing Fusarium heterosporum Lipase toward Biodiesel Synthesis. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5010-5017	8.3	9
235	Efficient and Supplementary Enzyme Cocktail from Actinobacteria and Plant Biomass Induction. *Biotechnology Journal*, **2019**, 14, e1700744	5.6	3
234	Co-fermentation of xylose and glucose from ionic liquid pretreated sugar cane bagasse for bioethanol production using engineered xylose assimilating yeast. *Biomass and Bioenergy*, **2019**, 128, 105283	5.3	23
233	Combined Cell Surface Display of □-Glucosidase (BGL), Maltose Transporter (MAL11), and Overexpression of Cytosolic Xylose Reductase (XR) in Saccharomyces cerevisiae Enhance Cellobiose/Xylose Coutilization for Xylitol Bioproduction from Lignocellulosic Biomass. *Biotechnology Journal*, **2019**, 14, e1800704	5.6	11
232	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. *Bioengineered*, **2019**, 10, 574-592	5.7	75

231	Enhanced Phenyllactic Acid Production in Escherichia coli Via Oxygen Limitation and Shikimate Pathway Gene Expression. *Biotechnology Journal*, **2019**, 14, e1800478	5.6	11
230	Emerging crosslinking techniques for glove manufacturers with improved nitrile glove properties and reduced allergic risks. *Materials Today Communications*, **2019**, 19, 39-50	2.5	11
229	5-Hydroxymethylfurfural production from salt-induced photoautotrophically cultivated Chlorella sorokiniana. *Biochemical Engineering Journal*, **2019**, 142, 117-123	4.2	14
228	Modified expression of multi-cellulases in a filamentous fungus Aspergillus oryzae. *Bioresource Technology*, **2019**, 276, 146-153	11	18
227	Lipid production by Lipomyces starkeyi using sap squeezed from felled old oil palm trunks. *Journal of Bioscience and Bioengineering*, **2019**, 127, 726-731	3.3	10
226	GH-10 and GH-11 Endo-1,4-β-xylanase enzymes from Kitasatospora sp. produce xylose and xylooligosaccharides from sugarcane bagasse with no xylose inhibition. *Bioresource Technology*, **2019**, 272, 315-325	11	28
225	In vivo tissue distribution and safety of polyacrylic acid-modified titanium peroxide nanoparticles as novel radiosensitizers. *Journal of Bioscience and Bioengineering*, **2018**, 126, 119-125	3.3	9
224	Xylanase and feruloyl esterase from actinomycetes cultures could enhance sugarcane bagasse hydrolysis in the production of fermentable sugars. *Bioscience, Biotechnology and Biochemistry*, **2018**, 1-12	2.1	7
223	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	1.4	
222	Effect of inoculum size on single-cell oil production from glucose and xylose using oleaginous yeast Lipomyces starkeyi. *Journal of Bioscience and Bioengineering*, **2018**, 125, 695-702	3.3	48
221	Effective usage of sorghum bagasse: Optimization of organosolv pretreatment using 25% 1-butanol and subsequent nanofiltration membrane separation. *Bioresource Technology*, **2018**, 252, 157-164	11	26
220	Direct and highly productive conversion of cyanobacteria to ethanol with CaCl addition. *Biotechnology for Biofuels*, **2018**, 11, 50	7.8	15
219	Metabolic engineering of Corynebacterium glutamicum for production of sunscreen shinorine. *Bioscience, Biotechnology and Biochemistry*, **2018**, 82, 1252-1259	2.1	10
218	Engineering Human Epidermal Growth Receptor 2-Targeting Hepatitis B Virus Core Nanoparticles for siRNA Delivery and. *ACS Applied Nano Materials*, **2018**, 1, 3269-3282	5.6	6
217	A Cancer Treatment Strategy That Combines the Use of Inorganic/Biocomplex Nanoparticles With Conventional Radiation Therapy **2018**, 439-443		
216	Repeated ethanol fermentation from membrane-concentrated sweet sorghum juice using the flocculating yeast Saccharomyces cerevisiae F118 strain. *Bioresource Technology*, **2018**, 265, 542-547	11	8
215	Metabolome analysis-based design and engineering of a metabolic pathway in Corynebacterium glutamicum to match rates of simultaneous utilization of D-glucose and L-arabinose. *Microbial Cell Factories*, **2018**, 17, 76	6.4	15
214	Mixing Characteristics of Submerged Fungal Fluid in a Flexible Stirred Mixer System. *Journal of Chemical Engineering of Japan*, **2018**, 51, 143-151	0.8	1

213	Lignocellulose nanofibers prepared by ionic liquid pretreatment and subsequent mechanical nanofibrillation of bagasse powder: Application to esterified bagasse/polypropylene composites. *Carbohydrate Polymers*, **2018**, 182, 8-14	10.3	27
212	Pretreatment of bagasse with a minimum amount of cholinium ionic liquid for subsequent saccharification at high loading and co-fermentation for ethanol production. *Chemical Engineering Journal*, **2018**, 334, 657-663	14.7	27
211	Oxidative depolymerization potential of biorefinery lignin obtained by ionic liquid pretreatment and subsequent enzymatic saccharification of eucalyptus. *Industrial Crops and Products*, **2018**, 111, 457-461	5.9	15
210	Development of a strictly regulated xylose-induced expression system in Streptomyces. *Microbial Cell Factories*, **2018**, 17, 151	6.4	12
209	Mechanism of the Fe-Assisted Hydrothermal Liquefaction of Lignocellulosic Biomass. *Industrial & Engineering Chemistry Research*, **2018**, 57, 14870-14877	3.9	21
208	Selection of oleaginous yeasts capable of high lipid accumulation during challenges from inhibitory chemical compounds. *Biochemical Engineering Journal*, **2018**, 137, 182-191	4.2	16
207	Mathematical Model for Small Size Time Series Data of Bacterial Secondary Metabolic Pathways. *Bioinformatics and Biology Insights*, **2018**, 12, 1177932218775076	5.3	1
206	DNA-duplex linker for AFM-SELEX of DNA aptamer against human serum albumin. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 954-957	2.9	18
205	Yield Optimisation of Hepatitis B Virus Core Particles in E. coli Expression System for Drug Delivery Applications. *Scientific Reports*, **2017**, 7, 43160	4.9	9
204	Caffeic acid production by simultaneous saccharification and fermentation of kraft pulp using recombinant Escherichia coli. *Applied Microbiology and Biotechnology*, **2017**, 101, 5279-5290	5.7	27
203	Future insights in fungal metabolic engineering. *Bioresource Technology*, **2017**, 245, 1314-1326	11	43
202	Affibody-displaying bio-nanocapsules effective in EGFR, typical biomarker, expressed in various cancer cells. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 336-341	2.9	5
201	Differences in glucose yield of residues from among varieties of rice, wheat, and sorghum after dilute acid pretreatment. *Bioscience, Biotechnology and Biochemistry*, **2017**, 81, 1650-1656	2.1	2
200	Sucrose purification and repeated ethanol production from sugars remaining in sweet sorghum juice subjected to a membrane separation process. *Applied Microbiology and Biotechnology*, **2017**, 101, 6007-6014	5.7	8
199	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. *Bioresource Technology*, **2017**, 245, 1413-1420	11	21
198	Bear-trap sensing of somatostatin via split aptamers and atomic force microscopy. *Sensors and Actuators B: Chemical*, **2017**, 252, 600-605	8.5	2
197	Glutathione production from mannan-based bioresource by mannanase/mannosidase expressing Saccharomyces cerevisiae. *Bioresource Technology*, **2017**, 245, 1400-1406	11	11
196	Mannan endo-1,4-□mannosidase from Kitasatospora sp. isolated in Indonesia and its potential for production of mannooligosaccharides from mannan polymers. *AMB Express*, **2017**, 7, 100	4.1	14

195	Mapping of endoglucanases displayed on yeast cell surface using atomic force microscopy. *Colloids and Surfaces B: Biointerfaces*, **2017**, 151, 134-142	6	3
194	Engineering hepatitis B virus core particles for targeting HER2 receptors in vitro and in vivo. *Biomaterials*, **2017**, 120, 126-138	15.6	17
193	Ionic liquid pretreatment of bagasse improves mechanical property of bagasse/polypropylene composites. *Industrial Crops and Products*, **2017**, 109, 158-162	5.9	19
192	Conversion of Chlamydomonas sp. JSC4 lipids to biodiesel using Fusarium heterosporum lipase-expressing Aspergillus oryzae whole-cell as biocatalyst. *Algal Research*, **2017**, 28, 16-23	5	18
191	Screening and evaluation of aptamers against somatostatin, and sandwich-like monitoring of somatostatin based on atomic force microscopy. *Sensors and Actuators B: Chemical*, **2017**, 252, 813-821	8.5	2
190	Challenges of non-flocculating Saccharomyces cerevisiae haploid strain against inhibitory chemical complex for ethanol production. *Bioresource Technology*, **2017**, 245, 1436-1446	11	10
189	Production of chemicals and proteins using biomass-derived substrates from a Streptomyces host. *Bioresource Technology*, **2017**, 245, 1655-1663	11	11
188	Microbial conversion of biomass into bio-based polymers. *Bioresource Technology*, **2017**, 245, 1664-1673	11	76
187	Biotransformation of ferulic acid to protocatechuic acid by Corynebacterium glutamicum ATCC 21420 engineered to express vanillate O-demethylase. *AMB Express*, **2017**, 7, 130	4.1	22
186	Simultaneous conversion of free fatty acids and triglycerides to biodiesel by immobilized Aspergillus oryzae expressing Fusarium heterosporum lipase. *Biotechnology Journal*, **2017**, 12, 1600400	5.6	13
185	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. *Applied Biochemistry and Biotechnology*, **2017**, 182, 229-237	3.2	34
184	Acceleration of wound healing by ultrasound activation of TiO in Escherichia coli-infected wounds in mice. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 2344-2351	3.5	10
183	Characterizations of the submerged fermentation of Aspergillus oryzae using a Fullzone impeller in a stirred tank bioreactor. *Journal of Bioscience and Bioengineering*, **2017**, 123, 101-108	3.3	4
182	Overexpression of CO2-responsive CCT protein, a key regulator of starch synthesis strikingly increases the glucose yield from rice straw for bioethanol production. *Plant Production Science*, **2017**, 20, 441-447	2.4	2
181	Converting oils high in phospholipids to biodiesel using immobilized Aspergillus oryzae whole-cell biocatalysts expressing Fusarium heterosporum lipase. *Biochemical Engineering Journal*, **2016**, 105, 10-15	4.2	45
180	Sonocatalytic injury of cancer cells attached on the surface of a nickel-titanium dioxide alloy plate. *Ultrasonics Sonochemistry*, **2016**, 28, 1-6	8.9	4
179	Enhancement of astaxanthin production in Xanthophyllomyces dendrorhous by efficient method for the complete deletion of genes. *Microbial Cell Factories*, **2016**, 15, 155	6.4	29
178	Engineering of a novel cellulose-adherent cellulolytic Saccharomyces cerevisiae for cellulosic biofuel production. *Scientific Reports*, **2016**, 6, 24550	4.9	34

177	Characterization of titanium dioxide nanoparticles modified with polyacrylic acid and HO for use as a novel radiosensitizer. *Free Radical Research*, **2016**, 50, 1319-1328	4	18
176	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	7.8	45
175	Characterization of cellulose nanofiber sheets from different refining processes. *Cellulose*, **2016**, 23, 403-414	5.5	33
174	Natural variation in the glucose content of dilute sulfuric acid-pretreated rice straw liquid hydrolysates: implications for bioethanol production. *Bioscience, Biotechnology and Biochemistry*, **2016**, 80, 863-9	2.1	3
173	Bioprocessing of bio-based chemicals produced from lignocellulosic feedstocks. *Current Opinion in Biotechnology*, **2016**, 42, 30-39	11.4	153
172	Nanofiltration concentration of extracellular glutathione produced by engineered Saccharomyces cerevisiae. *Journal of Bioscience and Bioengineering*, **2016**, 121, 96-100	3.3	5
171	Production of protocatechuic acid by Corynebacterium glutamicum expressing chorismate-pyruvate lyase from Escherichia coli. *Applied Microbiology and Biotechnology*, **2016**, 100, 135-45	5.7	42
170	Study of Titanium Peroxide Nanoparticles for Novel Radiation Therapy. *Hosokawa Powder Technology Foundation ANNUAL REPORT*, **2016**, 24, 30-34	0	
169	Lipase cocktail for efficient conversion of oils containing phospholipids to biodiesel. *Bioresource Technology*, **2016**, 211, 224-30	11	41
168	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	4.2	55
167	Comprehension of an organosolv process for lignin extraction on Festuca arundinacea and monitoring of the cellulose degradation. *Industrial Crops and Products*, **2016**, 94, 308-317	5.9	16
166	From mannan to bioethanol: cell surface co-display of β-mannanase and β-mannosidase on yeast Saccharomyces cerevisiae. *Biotechnology for Biofuels*, **2016**, 9, 188	7.8	22
165	Using a flexible shaft agitator to enhance the rheology of a complex fungal fermentation culture. *Bioprocess and Biosystems Engineering*, **2016**, 39, 1793-801	3.7	3
164	Mechanical milling and membrane separation for increased ethanol production during simultaneous saccharification and co-fermentation of rice straw by xylose-fermenting Saccharomyces cerevisiae. *Bioresource Technology*, **2015**, 185, 263-8	11	26
163	Precipitate obtained following membrane separation of hydrothermally pretreated rice straw liquid revealed by 2D NMR to have high lignin content. *Biotechnology for Biofuels*, **2015**, 8, 88	7.8	20
162	Saccharification and ethanol fermentation from cholinium ionic liquid-pretreated bagasse with a different number of post-pretreatment washings. *Bioresource Technology*, **2015**, 189, 203-209	11	31
161	Mutation of arginine residues to avoid non-specific cellular uptakes for hepatitis B virus core particles. *Journal of Nanobiotechnology*, **2015**, 13, 15	9.4	3
160	Effective saccharification of kraft pulp by using a cellulase cocktail prepared from genetically engineered Aspergillus oryzae. *Bioscience, Biotechnology and Biochemistry*, **2015**, 79, 1034-7	2.1	9

159	Repeated ethanol production from sweet sorghum juice concentrated by membrane separation. *Bioresource Technology*, **2015**, 186, 351-355	11	17
158	Production of d-lactic acid from hardwood pulp by mechanical milling followed by simultaneous saccharification and fermentation using metabolically engineered Lactobacillus plantarum. *Bioresource Technology*, **2015**, 187, 167-172	11	59
157	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant Corynebacterium glutamicum. *Bioresource Technology*, **2015**, 198, 410-7	11	23
156	Enzymatic synthesis and modification of structured phospholipids: recent advances in enzyme preparation and biocatalytic processes. *Applied Microbiology and Biotechnology*, **2015**, 99, 7879-91	5.7	19
155	Effect of post-pretreatment washing on saccharification and co-fermentation from bagasse pretreated with biocompatible cholinium ionic liquid. *Biochemical Engineering Journal*, **2015**, 103, 198-204	4.2	19
154	Ionic liquid/ultrasound pretreatment and in situ enzymatic saccharification of bagasse using biocompatible cholinium ionic liquid. *Bioresource Technology*, **2015**, 176, 169-74	11	68
153	Expression of cold-adapted β-1,3-xylanase as a fusion protein with a ProS2 tag and purification using immobilized metal affinity chromatography with a high concentration of ArgHCl. *Biotechnology Letters*, **2015**, 37, 89-94	3	4
152	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	14.7	64
151	Current Status and Future Perspectives of Bio-Refinery. *Kagaku To Seibutsu*, **2015**, 53, 689-695	0	2
150	Phenyllactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. *Bioresource Technology*, **2015**, 182, 169-178	11	24
149	The mapping of yeast's G-protein coupled receptor with an atomic force microscope. *Nanoscale*, **2015**, 7, 4956-63	7.7	8
148	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. *PLoS ONE*, **2015**, 10, e0128417	3.7	21
147	Simultaneous saccharification and fermentation of kraft pulp by recombinant Escherichia coli for phenyllactic acid production. *Biochemical Engineering Journal*, **2014**, 88, 188-194	4.2	36
146	Microbial fluorescence sensing for human neurotensin receptor type 1 using G-engineered yeast cells. *Analytical Biochemistry*, **2014**, 446, 37-43	3.1	14
145	Cloning and starch degradation profile of maltotriose-producing amylases from Streptomyces species. *Biotechnology Letters*, **2014**, 36, 2311-7	3	10
144	Green synthesis of thiolated graphene nanosheets by alliin (garlic) and its effect on the deposition of gold nanoparticles. *RSC Advances*, **2014**, 4, 5986	3.7	6
143	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. *RSC Advances*, **2014**, 4, 48458-48464	3.7	16
142	Increased ethanol production from sweet sorghum juice concentrated by a membrane separation process. *Bioresource Technology*, **2014**, 169, 821-825	11	14

141	Optimized membrane process to increase hemicellulosic ethanol production from pretreated rice straw by recombinant xylose-fermenting Saccharomyces cerevisiae. *Bioresource Technology*, **2014**, 169, 380-386	11	15
140	Structural evaluation of the DNA aptamer for ATP DH25.42 by AFM. *Nucleosides, Nucleotides and Nucleic Acids*, **2014**, 33, 31-9	1.4	8
139	Pretreatment of Japanese cedar by ionic liquid solutions in combination with acid and metal ion and its application to high solid loading. *Biotechnology for Biofuels*, **2014**, 7, 120	7.8	14
138	L-lactic acid production from starch by simultaneous saccharification and fermentation in a genetically engineered Aspergillus oryzae pure culture. *Bioresource Technology*, **2014**, 173, 376-383	11	29
137	Disruption of pknG enhances production of gamma-aminobutyric acid by Corynebacterium glutamicum expressing glutamate decarboxylase. *AMB Express*, **2014**, 4, 20	4.1	50
136	Aspergillus oryzae-based cell factory for direct kojic acid production from cellulose. *Microbial Cell Factories*, **2014**, 13, 71	6.4	36
135	A display of pH-sensitive fusogenic GALA peptide facilitates endosomal escape from a Bio-nanocapsule via an endocytic uptake pathway. *Journal of Nanobiotechnology*, **2014**, 12, 11	9.4	31
134	The effect of combining signal sequences with the N28 fragment on GFP production in Aspergillus oryzae. *Process Biochemistry*, **2014**, 49, 1078-1083	4.8	2
133	Enhanced OH radical generation by dual-frequency ultrasound with TiO2 nanoparticles: its application to targeted sonodynamic therapy. *Ultrasonics Sonochemistry*, **2014**, 21, 289-94	8.9	76
132	Microwave pretreatment of lignocellulosic material in cholinium ionic liquid for efficient enzymatic saccharification. *Biochemical Engineering Journal*, **2014**, 90, 90-95	4.2	34
131	Genetic engineering of bio-nanoparticles for drug delivery: a review. *Journal of Biomedical Nanotechnology*, **2014**, 10, 2063-85	4	14
130	Development of a multi-gene expression system in Xanthophyllomyces dendrorhous. *Microbial Cell Factories*, **2014**, 13, 175	6.4	25
129	Targeted sonocatalytic cancer cell injury using avidin-conjugated titanium dioxide nanoparticles. *Ultrasonics Sonochemistry*, **2014**, 21, 1624-8	8.9	46
128	Improvement of enzymatic activity of β-glucosidase from Thermotoga maritima by 1-butyl-3-methylimidazolium acetate. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 104, 17-22		10
127	Induction of apoptosis associated with chromosomal DNA fragmentation and caspase-3 activation in leukemia L1210 cells by TiO2 nanoparticles. *Journal of Bioscience and Bioengineering*, **2014**, 117, 129-33	3.3	18
126	Targeting cancer cell-specific RNA interference by siRNA delivery using a complex carrier of affibody-displaying bio-nanocapsules and liposomes. *Journal of Nanobiotechnology*, **2013**, 11, 19	9.4	24
125	Efficient direct ethanol production from cellulose by cellulase- and cellodextrin transporter-co-expressing Saccharomyces cerevisiae. *AMB Express*, **2013**, 3, 34	4.1	29
124	A robust whole-cell biocatalyst that introduces a thermo- and solvent-tolerant lipase into Aspergillus oryzae cells: characterization and application to enzymatic biodiesel production. *Enzyme and Microbial Technology*, **2013**, 52, 331-5	3.8	24

123	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	6.4	57
122	p-Hydroxycinnamic acid production directly from cellulose using endoglucanase- and tyrosine ammonia lyase-expressing Streptomyces lividans. *Microbial Cell Factories*, **2013**, 12, 45	6.4	24
121	Green synthesis of Au, Pd and Au@Pd core–shell nanoparticles via a tryptophan induced supramolecular interface. *RSC Advances*, **2013**, 3, 18367	3.7	18
120	Biogenic synthesis and characterization of gold nanoparticles by Escherichia coli K12 and its heterogeneous catalysis in degradation of 4-nitrophenol. *Nanoscale Research Letters*, **2013**, 8, 70	5	118
119	Biochemical characterization of a thermostable β-1,3-xylanase from the hyperthermophilic eubacterium, Thermotoga neapolitana strain DSM 4359. *Applied Microbiology and Biotechnology*, **2013**, 97, 6749-57	5.7	15
118	Particle size for photocatalytic activity of anatase TiO2 nanosheets with highly exposed {001} facets. *RSC Advances*, **2013**, 3, 19268	3.7	26
117	An affinity chromatography method used to purify His-tag-displaying bio-nanocapsules. *Journal of Virological Methods*, **2013**, 189, 393-6	2.6	5
116	Ethanol fermentation by xylose-assimilating Saccharomyces cerevisiae using sugars in a rice straw liquid hydrolysate concentrated by nanofiltration. *Bioresource Technology*, **2013**, 147, 84-88	11	18
115	Glucose content in the liquid hydrolysate after dilute acid pretreatment is affected by the starch content in rice straw. *Bioresource Technology*, **2013**, 149, 520-4	11	15
114	Image analyzing method to evaluate in situ bioluminescence from an obligate anaerobe cultivated under various dissolved oxygen concentrations. *Journal of Bioscience and Bioengineering*, **2013**, 115, 196-9	3.3	2
113	Granting specificity for breast cancer cells using a hepatitis B core particle with a HER2-targeted affibody molecule. *Journal of Biochemistry*, **2013**, 153, 251-6	3.1	11
112	Inactivation of Escherichia coli by sonoelectrocatalytic disinfection using TiO2 as electrode. *Ultrasonics Sonochemistry*, **2013**, 20, 762-7	8.9	14
111	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	14.7	60
110	Cholinium carboxylate ionic liquids for pretreatment of lignocellulosic materials to enhance subsequent enzymatic saccharification. *Biochemical Engineering Journal*, **2013**, 71, 25-29	4.2	60
109	Sidewall modification of multiwalled carbon nanotubes by Allivum sativum (garlic) and its effect on the deposition of gold nanoparticles. *Carbon*, **2013**, 56, 309-316	10.4	9
108	Effect of ionic liquid weight ratio on pretreatment of bamboo powder prior to enzymatic saccharification. *Bioresource Technology*, **2013**, 128, 188-92	11	41
107	Production of biodiesel from plant oil hydrolysates using an Aspergillus oryzae whole-cell biocatalyst highly expressing Candida antarctica lipase B. *Bioresource Technology*, **2013**, 135, 410-6	11	44
106	Low melting point pyridinium ionic liquid pretreatment for enhancing enzymatic saccharification of cellulosic biomass. *Bioresource Technology*, **2013**, 135, 103-8	11	26

105	Cell-SELEX based selection and characterization of DNA aptamer recognizing human hepatocarcinoma. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 1797-802	2.9	38
104	Ultrasonic inactivation of Microcystis aeruginosa in the presence of TiO□particles. *Journal of Bioscience and Bioengineering*, **2013**, 116, 214-8	3.3	11
103	An integrative process model of enzymatic biodiesel production through ethanol fermentation of brown rice followed by lipase-catalyzed ethanolysis in a water-containing system. *Enzyme and Microbial Technology*, **2013**, 52, 118-22	3.8	11
102	Ability of a perfluoropolymer membrane to tolerate by-products of ethanol fermentation broth from dilute acid-pretreated rice straw. *Biochemical Engineering Journal*, **2013**, 70, 135-139	4.2	7
101	Thermal stability and starch degradation profile of □amylase from Streptomyces avermitilis. *Bioscience, Biotechnology and Biochemistry*, **2013**, 77, 2449-53	2.1	16
100	Repeated fermentation from raw starch using Saccharomyces cerevisiae displaying both glucoamylase and □amylase. *Enzyme and Microbial Technology*, **2012**, 50, 343-7	3.8	42
99	Short time ionic liquids pretreatment on lignocellulosic biomass to enhance enzymatic saccharification. *Bioresource Technology*, **2012**, 103, 446-52	11	62
98	Production of Streptoverticillium cinnamoneum transglutaminase and cinnamic acid by recombinant Streptomyces lividans cultured on biomass-derived carbon sources. *Bioresource Technology*, **2012**, 104, 648-51	11	23
97	Targeted sonodynamic therapy using protein-modified TiO2 nanoparticles. *Ultrasonics Sonochemistry*, **2012**, 19, 607-14	8.9	63
96	Development of a glutathione production process from proteinaceous biomass resources using protease-displaying Saccharomyces cerevisiae. *Applied Microbiology and Biotechnology*, **2012**, 93, 1495-502	5.7	9
95	Protein-encapsulated bio-nanocapsules production with ER membrane localization sequences. *Journal of Biotechnology*, **2012**, 157, 124-9	3.7	3
94	Genetic engineering to enhance the Ehrlich pathway and alter carbon flux for increased isobutanol production from glucose by Saccharomyces cerevisiae. *Journal of Biotechnology*, **2012**, 159, 32-7	3.7	131
93	Kinetic characterization and Mg2+ enhancement of Streptomyces griseocarneus sphingomyelinase C produced by recombinant Streptomyces lividans. *Protein Expression and Purification*, **2012**, 81, 151-6	2	6
92	Direct isopropanol production from cellobiose by engineered Escherichia coli using a synthetic pathway and a cell surface display system. *Journal of Bioscience and Bioengineering*, **2012**, 114, 80-5	3.3	49
91	Sugar consumption and ethanol fermentation by transporter-overexpressed xylose-metabolizing Saccharomyces cerevisiae harboring a xyloseisomerase pathway. *Journal of Bioscience and Bioengineering*, **2012**, 114, 209-11	3.3	20
90	Benzoic acid fermentation from starch and cellulose via a plant-like □oxidation pathway in Streptomyces maritimus. *Microbial Cell Factories*, **2012**, 11, 49	6.4	22
89	Robust production of gamma-amino butyric acid using recombinant Corynebacterium glutamicum expressing glutamate decarboxylase from Escherichia coli. *Enzyme and Microbial Technology*, **2012**, 51, 171-6	3.8	81
88	Efficient heterologous expression and secretion in Aspergillus oryzae of a llama variable heavy-chain antibody fragment V(HH) against EGFR. *Applied Microbiology and Biotechnology*, **2012**, 96, 81-8	5.7	20

87	Cell wall trapping of autocrine peptides for human G-protein-coupled receptors on the yeast cell surface. *PLoS ONE*, **2012**, 7, e37136	3.7	21
86	Recent developments in yeast cell surface display toward extended applications in biotechnology. *Applied Microbiology and Biotechnology*, **2012**, 95, 577-91	5.7	93
85	An energy-saving glutathione production method from low-temperature cooked rice using amylase-expressing Saccharomyces cerevisiae. *Biotechnology Journal*, **2012**, 7, 686-9	5.6	4
84	Complex carriers of affibody-displaying bio-nanocapsules and composition-varied liposomes for HER2-expressing breast cancer cell-specific protein delivery. *Journal of Drug Targeting*, **2012**, 20, 897-905	5.4	10
83	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
82	Abstract 4341: A novel sonodynamic therapy using hydroxyl radical generated from ultrasound activated TiO2for human epithelial carcinoma cells **2012**,		2
81	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. *Green Chemistry*, **2011**, 13, 2948	10	58
80	Development of a novel aptamer-based sensing system using atomic force microscopy. *Journal of Bioscience and Bioengineering*, **2011**, 112, 511-4	3.3	9
79	Extracellular production of a sphingomyelinase from Streptomyces griseocarneus using Streptomyces lividans. *Biotechnology Letters*, **2011**, 33, 727-31	3	5
78	Cinnamic acid production using Streptomyces lividans expressing phenylalanine ammonia lyase. *Journal of Industrial Microbiology and Biotechnology*, **2011**, 38, 643-8	4.2	37
77	Efficient and direct glutathione production from raw starch using engineered Saccharomyces cerevisiae. *Applied Microbiology and Biotechnology*, **2011**, 89, 1417-22	5.7	17
76	Glutamate production from β-glucan using endoglucanase-secreting Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2011**, 90, 895-901	5.7	45
75	Highly efficient biodiesel production by a whole-cell biocatalyst employing a system with high lipase expression in Aspergillus oryzae. *Applied Microbiology and Biotechnology*, **2011**, 90, 1171-7	5.7	27
74	Enzymatic glutathione production using metabolically engineered Saccharomyces cerevisiae as a whole-cell biocatalyst. *Applied Microbiology and Biotechnology*, **2011**, 91, 1001-6	5.7	21
73	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 Lactococcus lactis. *Applied Microbiology and Biotechnology*, **2011**, 91, 1537-44	5.7	28
72	Homo-D-lactic acid production from mixed sugars using xylose-assimilating operon-integrated Lactobacillus plantarum. *Applied Microbiology and Biotechnology*, **2011**, 92, 67-76	5.7	43
71	Development of an Aspergillus oryzae whole-cell biocatalyst coexpressing triglyceride and partial glyceride lipases for biodiesel production. *Bioresource Technology*, **2011**, 102, 6723-9	11	45
70	Direct ethanol production from cellulosic materials using a diploid strain of Saccharomyces cerevisiae with optimized cellulase expression. *Biotechnology for Biofuels*, **2011**, 4, 8	7.8	95

69	Expression, crystallization and preliminary X-ray diffraction studies of thermostable β-1,3-xylanase from Thermotoga neapolitana strain DSM 4359. *Acta Crystallographica Section F: Structural Biology Communications*, **2011**, 67, 779-81		1
68	Direct and efficient ethanol production from high-yielding rice using a Saccharomyces cerevisiae strain that express amylases. *Enzyme and Microbial Technology*, **2011**, 48, 393-6	3.8	34
67	Variation in biomass properties among rice diverse cultivars. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1603-5	2.1	17
66	Creation of a cellooligosaccharide-assimilating Escherichia coli strain by displaying active beta-glucosidase on the cell surface via a novel anchor protein. *Applied and Environmental Microbiology*, **2011**, 77, 6265-70	4.8	32
65	Protein–protein interactions and selection: yeast-based approaches that exploit guanine nucleotide-binding protein signaling. *FEBS Journal*, **2010**, 277, 1982-95	5.7	25
64	Control of signalling properties of human somatostatin receptor subtype-5 by additional signal sequences on its amino-terminus in yeast. *Journal of Biochemistry*, **2010**, 147, 875-84	3.1	26
63	Importance of asparagine residues at positions 13 and 26 on the amino-terminal domain of human somatostatin receptor subtype-5 in signalling. *Journal of Biochemistry*, **2010**, 147, 867-73	3.1	22
62	Selection of DNA aptamers using atomic force microscopy. *Nucleic Acids Research*, **2010**, 38, e21	20.1	50
61	Applications of yeast cell-surface display in bio-refinery. *Recent Patents on Biotechnology*, **2010**, 4, 226-34	1.2	10
60	Cocktail delta-integration: a novel method to construct cellulolytic enzyme expression ratio-optimized yeast strains. *Microbial Cell Factories*, **2010**, 9, 32	6.4	121
59	Over-production of various secretory-form proteins in Streptomyces lividans. *Protein Expression and Purification*, **2010**, 73, 198-202	2	30
58	Biofunctional TiO2 nanoparticle-mediated photokilling of cancer cells using UV irradiation. *MedChemComm*, **2010**, 1, 209	5	23
57	Ethanol production from cellulosic materials using cellulase-expressing yeast. *Biotechnology Journal*, **2010**, 5, 449-55	5.6	66
56	D-lactic acid production from cellooligosaccharides and beta-glucan using L-LDH gene-deficient and endoglucanase-secreting Lactobacillus plantarum. *Applied Microbiology and Biotechnology*, **2010**, 85, 643-50	5.7	38
55	Novel strategy for yeast construction using delta-integration and cell fusion to efficiently produce ethanol from raw starch. *Applied Microbiology and Biotechnology*, **2010**, 85, 1491-8	5.7	75
54	Biotechnological production of enantiomeric pure lactic acid from renewable resources: recent achievements, perspectives, and limits. *Applied Microbiology and Biotechnology*, **2010**, 85, 413-23	5.7	208
53	Repeated batch fermentation from raw starch using a maltose transporter and amylase expressing diploid yeast strain. *Applied Microbiology and Biotechnology*, **2010**, 87, 109-15	5.7	26
52	Display of both N- and C-terminal target fusion proteins on the Aspergillus oryzae cell surface using a chitin-binding module. *Applied Microbiology and Biotechnology*, **2010**, 87, 1783-9	5.7	20

51	Direct ethanol production from cellulosic materials at high temperature using the thermotolerant yeast Kluyveromyces marxianus displaying cellulolytic enzymes. *Applied Microbiology and Biotechnology*, **2010**, 88, 381-8	5.7	115
50	Gene copy number and polyploidy on products formation in yeast. *Applied Microbiology and Biotechnology*, **2010**, 88, 849-57	5.7	37
49	Construction of a xylose-metabolizing yeast by genome integration of xylose isomerase gene and investigation of the effect of xylitol on fermentation. *Applied Microbiology and Biotechnology*, **2010**, 88, 1215-21	5.7	34
48	Potential uses of titanium dioxide in conjunction with ultrasound for improved disinfection. *Biochemical Engineering Journal*, **2010**, 48, 416-423	4.2	38
47	Ethanolysis of rapeseed oil to produce biodiesel fuel catalyzed by Fusarium heterosporum lipase-expressing fungus immobilized whole-cell biocatalysts. *Journal of Molecular Catalysis B: Enzymatic*, **2010**, 66, 101-104		22
46	Production of biodiesel fuel from soybean oil catalyzed by fungus whole-cell biocatalysts in ionic liquids. *Enzyme and Microbial Technology*, **2010**, 46, 51-55	3.8	80
45	Ultrasound-induced membrane lipid peroxidation and cell damage of Escherichia coli in the presence of non-woven TiO2 fabrics. *Ultrasonics Sonochemistry*, **2010**, 17, 738-43	8.9	36
44	Construction of protein-modified TiO2 nanoparticles for use with ultrasound irradiation in a novel cell injuring method. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5320-5	2.9	30
43	Affibody-displaying bionanocapsules for specific drug delivery to HER2-expressing cancer cells. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5726-31	2.9	21
42	Fatty acid production from butter using novel cutinase-displaying yeast. *Enzyme and Microbial Technology*, **2010**, 46, 194-199	3.8	9
41	Regulation of the display ratio of enzymes on the Saccharomyces cerevisiae cell surface by the immunoglobulin G and cellulosomal enzyme binding domains. *Applied and Environmental Microbiology*, **2009**, 75, 4149-54	4.8	41
40	Homo-D-lactic acid fermentation from arabinose by redirection of the phosphoketolase pathway to the pentose phosphate pathway in L-lactate dehydrogenase gene-deficient Lactobacillus plantarum. *Applied and Environmental Microbiology*, **2009**, 75, 5175-8	4.8	58
39	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 Lactobacillus plantarum. *Applied and Environmental Microbiology*, **2009**, 75, 7858-61	4.8	75
38	Biotinylated bionanocapsules for displaying diverse ligands toward cell-specific delivery. *Journal of Biochemistry*, **2009**, 146, 867-74	3.1	14
37	Improvement of isoflavone aglycones production using β-glucosidase secretory produced in recombinant Aspergillus oryzae. *Journal of Molecular Catalysis B: Enzymatic*, **2009**, 59, 297-301		32
36	Ester synthesis reaction with CALB displaying yeast whole cell biocatalyst: effect of organic solvent and initial water content. *Journal of Bioscience and Bioengineering*, **2009**, 108, 369-71	3.3	7
35	Direct fermentation of cellulosic materials to ethanol using yeast strains codisplaying three types of cellulolytic enzyme. *Journal of Bioscience and Bioengineering*, **2009**, 108, S52	3.3	
34	Bioethanol production from mixed sugars using sugar uptake ability enhanced yeast strain by overexpression of transporters. *Journal of Bioscience and Bioengineering*, **2009**, 108, S53	3.3	2

33	Evaluation of cell surface-displayed protein stability against simulated gastric fluid. *Biotechnology Letters*, **2009**, 31, 1259-64	3	2
32	Improvement of a Candida antarctica lipase B-displaying yeast whole-cell biocatalyst and its application to the polyester synthesis reaction. *Applied Microbiology and Biotechnology*, **2009**, 82, 59-66	5.7	50
31	Efficient production of ethanol from raw starch by a mated diploid Saccharomyces cerevisiae with integrated □amylase and glucoamylase genes. *Enzyme and Microbial Technology*, **2009**, 44, 344-349	3.8	35
30	Construction of arginine-rich peptide displaying bionanocapsules. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 1473-6	2.9	13
29	Selection of a DNA aptamer that binds 8-OHdG using GMP-agarose. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 3619-22	2.9	44
28	A simple and immediate method for simultaneously evaluating expression level and plasmid maintenance in yeast. *Journal of Biochemistry*, **2009**, 145, 701-8	3.1	81
27	Characterization of yeast cell surface displayed Aspergillus oryzae □glucosidase 1 high hydrolytic activity for soybean isoflavone. *Journal of Molecular Catalysis B: Enzymatic*, **2008**, 55, 69-75		11
26	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. *Journal of Biochemistry*, **2008**, 143, 667-74	3.1	29
25	Specific protein delivery to target cells by antibody-displaying bionanocapsules. *Journal of Biochemistry*, **2008**, 144, 701-7	3.1	34
24	Isoflavone aglycones production from isoflavone glycosides by display of beta-glucosidase from Aspergillus oryzae on yeast cell surface. *Applied Microbiology and Biotechnology*, **2008**, 79, 51-60	5.7	75
23	Construction of an Aspergillus oryzae cell-surface display system using a putative GPI-anchored protein. *Applied Microbiology and Biotechnology*, **2008**, 81, 711-9	5.7	22
22	Decolorization of methylene blue in aqueous suspensions of titanium peroxide. *Journal of Hazardous Materials*, **2008**, 153, 551-6	12.8	28
21	Properties of TiO2-polyacrylic acid dispersions with potential for molecular recognition. *Colloids and Surfaces B: Biointerfaces*, **2008**, 64, 10-5	6	38
20	Sonocatalytic facilitation of hydroxyl radical generation in the presence of TiO2. *Ultrasonics Sonochemistry*, **2008**, 15, 988-94	8.9	84
19	Sonocatalytic degradation of methylene blue with TiO2 pellets in water. *Ultrasonics Sonochemistry*, **2007**, 14, 184-90	8.9	266
18	Continuous production of phospholipase D using immobilized recombinant Streptomyces lividans. *Enzyme and Microbial Technology*, **2007**, 41, 156-161	3.8	5
17	Remarkable enhancement in PLD activity from Streptoverticillium cinnamoneum by substituting serine residue into the GG/GS motif. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2007**, 1774, 671-8	4	16
16	Recognition and effective degradation of 17beta-estradiol by anti-estradiol-antibody-immobilized TiO(2) nanoparticles. *Journal of Bioscience and Bioengineering*, **2007**, 104, 339-42	3.3	21

15	Disinfection of Legionella pneumophila by ultrasonic treatment with TiO2. *Water Research*, **2006**, 40, 1137-42	12.5	53
14	Enhancement of sonocatalytic cell lysis of Escherichia coli in the presence of TiO2. *Biochemical Engineering Journal*, **2006**, 32, 100-105	4.2	42
13	Kinetics of disinfection of Escherichia coli by catalytic ultrasonic irradiation with TiO2. *Biochemical Engineering Journal*, **2005**, 25, 243-248	4.2	66
12	Over-expression system for secretory phospholipase D by Streptomyces lividans. *Applied Microbiology and Biotechnology*, **2004**, 64, 823-8	5.7	52
11	Phospholipase D from Streptoverticillium cinnamoneum: protein engineering and application for phospholipid production. *Journal of Molecular Catalysis B: Enzymatic*, **2003**, 23, 107-115		8
10	Detection of benzene derivatives by recombinant E. coli with Ps promoter and GFP as a reporter protein. *Biochemical Engineering Journal*, **2003**, 15, 193-197	4.2	10
9	Effect of medium compositions on biosensing of benzene derivatives using recombinant Escherichia coli. *Biochemical Engineering Journal*, **2003**, 16, 273-278	4.2	1
8	Structural Investigation of Water Trapped in AOT/isooctane Reverse Micelles Containing PEG by Fourier Transform Infrared Spectroscopy.. *Kagaku Kogaku Ronbunshu*, **2003**, 29, 124-130	0.4	1
7	Improvement of transphosphatidylation reaction model of phospholipase D from Streptoverticillium cinnamoneum. *Biochemical Engineering Journal*, **2002**, 10, 115-121	4.2	4
6	Fractal analysis of Daphnia motion for acute toxicity bioassay. *Environmental Toxicology*, **2002**, 17, 441-8	4.2	33
5	Identification of novel membrane-bound phospholipase D from Streptoverticillium cinnamoneum, possessing only hydrolytic activity. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2001**, 1530, 23-31	5	12
4	The 5-HT(1A) receptor agonist, 8-OH-DPAT, attenuates stress-induced anorexia in conjunction with the suppression of hypothalamic serotonin release in rats. *Brain Research*, **2000**, 887, 178-82	3.7	11
3	Purification, characterization, and sequence determination of phospholipase D secreted by Streptoverticillium cinnamoneum. *Journal of Biochemistry*, **1999**, 125, 263-9	3.1	44
2	Reconstitution of GTP-gamma-S-dependent phospholipase D activity with ARF, RhoA, and a soluble 36-kDa protein. *FEBS Letters*, **1996**, 387, 141-4	3.8	14
1	Mammalian phospholipase D: phosphatidylethanolamine as an essential component. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 4300-4	11.5	37