

# Chiaki Ogino

## List of Publications by Year in descending order

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274  
papers

9,012  
citations

41344

49  
h-index

76900

74  
g-index

291  
all docs

291  
docs citations

291  
times ranked

9097  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in lignocellulosic biomass white biotechnology for bioplastics. <i>Bioresource Technology</i> , 2022, 344, 126165.	9.6	31
2	An integrated biorefinery strategy for the utilization of palm-oil wastes. <i>Bioresource Technology</i> , 2022, 344, 126266.	9.6	23
3	Manno-Oligosaccharide Production from Biomass Hydrolysis by Using Endo-1,4- $\beta$ -Mannanase (ManNj6-379) from <i>Nonomuraea jabiensis</i> ID06-379. <i>Processes</i> , 2022, 10, 269.	2.8	2
4	Integrated bioconversion process for biodiesel production utilizing waste from the palm oil industry. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107550.	6.7	5
5	The flocculant <i>Saccharomyces cerevisiae</i> strain gains robustness via alteration of the cell wall hydrophobicity. <i>Metabolic Engineering</i> , 2022, 72, 82-96.	7.0	10
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.	8.6	7
7	3-Amino-4-hydroxybenzoic acid production from glucose and/or xylose via recombinant <i>Streptomyces lividans</i> . <i>Journal of General and Applied Microbiology</i> , 2022, , .	0.7	0
8	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000193.	5.3	16
9	Titanium oxide nano-radiosensitizers for hydrogen peroxide delivery into cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 198, 111451.	5.0	12
10	Constitutive cell surface expression of ZZ domain for the easy preparation of yeast-based immunosorbents. <i>Journal of General and Applied Microbiology</i> , 2021, , .	0.7	5
11	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.	3.7	12
12	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.	2.2	6
13	Enhanced production of $\beta$ -amino acid 3-amino-4-hydroxybenzoic acid by recombinant <i>Corynebacterium glutamicum</i> under oxygen limitation. <i>Microbial Cell Factories</i> , 2021, 20, 228.	4.0	5
14	Investigation of the potential of using TiO <sub>2</sub> nanoparticles as a contrast agent in computed tomography and magnetic resonance imaging. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3143-3148.	3.1	10
15	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.	5.5	22
16	Lipase-catalyzed ethanolysis for biodiesel production of untreated palm oil mill effluent. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1105-1111.	4.9	21
17	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	21
18	Immobilized lipases for biodiesel production: Current and future greening opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110355.	16.4	61

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19	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.	5.7	15
20	Stable near-infrared photoluminescence from silicon quantum dot- <i>bovine serum albumin</i> composites. <i>MRS Communications</i> , 2020, 10, 680-686.	1.8	3
21	High Enzymatic Recovery and Purification of Xylooligosaccharides from Empty Fruit Bunch via Nanofiltration. <i>Processes</i> , 2020, 8, 619.	2.8	12
22	A Comparative Assessment of Mechanisms and Effectiveness of Radiosensitization by Titanium Peroxide and Gold Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1125.	4.1	9
23	Pyruvate metabolism redirection for biological production of commodity chemicals in aerobic fungus <i>Aspergillus oryzae</i> . <i>Metabolic Engineering</i> , 2020, 61, 225-237.	7.0	20
24	Exploration and Evaluation of Machine Learning-Based Models for Predicting Enzymatic Reactions. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1833-1843.	5.4	17
25	Concentration of Lipase from <i>Aspergillus oryzae</i> Expressing <i>Fusarium heterosporum</i> by Nanofiltration to Enhance Transesterification. <i>Processes</i> , 2020, 8, 450.	2.8	6
26	<i>In Vivo</i> Evaluation of the Z <sub>HER2</sub> -BNC/LP Carrier Encapsulating an Anticancer Drug and a Radiosensitizer. <i>ACS Applied Bio Materials</i> , 2020, 3, 7743-7751.	4.6	2
27	Efficient and Supplementary Enzyme Cocktail from Actinobacteria and Plant Biomass Induction. <i>Biotechnology Journal</i> , 2019, 14, 1700744.	3.5	3
28	Co-fermentation of xylose and glucose from ionic liquid pretreated sugar cane bagasse for bioethanol production using engineered xylose assimilating yeast. <i>Biomass and Bioenergy</i> , 2019, 128, 105283.	5.7	34
29	Combined Cell Surface Display of $\beta$ -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.	3.5	14
30	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. <i>Bioengineered</i> , 2019, 10, 574-592.	3.2	114
31	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.	3.6	17
32	Versatility of a Dilute Acid/Butanol Pretreatment Investigated on Various Lignocellulosic Biomasses to Produce Lignin, Monosaccharides and Cellulose in Distinct Phases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11069-11079.	6.7	50
33	Building a global alliance of biofoundries. <i>Nature Communications</i> , 2019, 10, 2040.	12.8	167
34	Energy Production: Biodiesel. , 2019, , 43-61.		3
35	Cell-surface display technology and metabolic engineering of <i>Saccharomyces cerevisiae</i> for enhancing xylitol production from woody biomass. <i>Green Chemistry</i> , 2019, 21, 1795-1808.	9.0	33
36	Bioenergy and Biorefinery: Feedstock, Biotechnological Conversion, and Products. <i>Biotechnology Journal</i> , 2019, 14, e1800494.	3.5	54

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37	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.	6.7	12
38	Enhanced Phenyllactic Acid Production in <i>Escherichia coli</i> Via Oxygen Limitation and Shikimate Pathway Gene Expression. <i>Biotechnology Journal</i> , 2019, 14, 1800478.	3.5	14
39	Emerging crosslinking techniques for glove manufacturers with improved nitrile glove properties and reduced allergic risks. <i>Materials Today Communications</i> , 2019, 19, 39-50.	1.9	25
40	5-Hydroxymethylfurfural production from salt-induced photoautotrophically cultivated <i>Chlorella sorokiniana</i> . <i>Biochemical Engineering Journal</i> , 2019, 142, 117-123.	3.6	23
41	Modified expression of multi-cellulases in a filamentous fungus <i>Aspergillus oryzae</i> . <i>Bioresource Technology</i> , 2019, 276, 146-153.	9.6	30
42	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.	2.2	13
43	GH-10 and GH-11 Endo-1,4- $\beta$ -xylanase enzymes from <i>Kitasatospora</i> sp. produce xylose and xylooligosaccharides from sugarcane bagasse with no xylose inhibition. <i>Bioresource Technology</i> , 2019, 272, 315-325.	9.6	44
44	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.	2.2	11
45	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, 82, 904-915.	1.3	16
46	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.	0.7	0
47	Effect of inoculum size on single-cell oil production from glucose and xylose using oleaginous yeast <i>Lipomyces starkeyi</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 695-702.	2.2	72
48	Effective usage of sorghum bagasse: Optimization of organosolv pretreatment using 25% 1-butanol and subsequent nanofiltration membrane separation. <i>Bioresource Technology</i> , 2018, 252, 157-164.	9.6	48
49	Direct and highly productive conversion of cyanobacteria <i>Arthrospira platensis</i> to ethanol with $CaCl_2$ addition. <i>Biotechnology for Biofuels</i> , 2018, 11, 50.	6.2	21
50	Metabolic engineering of <i>Corynebacterium glutamicum</i> for production of sunscreen shinorine. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1252-1259.	1.3	16
51	Lignocellulose nanofibers prepared by ionic liquid pretreatment and subsequent mechanical nanofibrillation of bagasse powder: Application to esterified bagasse/polypropylene composites. <i>Carbohydrate Polymers</i> , 2018, 182, 8-14.	10.2	35
52	Pretreatment of bagasse with a minimum amount of cholinium ionic liquid for subsequent saccharification at high loading and co-fermentation for ethanol production. <i>Chemical Engineering Journal</i> , 2018, 334, 657-663.	12.7	43
53	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, 457-461.	5.2	23
54	Development of a strictly regulated xylose-induced expression system in <i>Streptomyces</i> . <i>Microbial Cell Factories</i> , 2018, 17, 151.	4.0	18

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55	Mechanism of the Fe-Assisted Hydrothermal Liquefaction of Lignocellulosic Biomass. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14870-14877.	3.7	31
56	Selection of oleaginous yeasts capable of high lipid accumulation during challenges from inhibitory chemical compounds. <i>Biochemical Engineering Journal</i> , 2018, 137, 182-191.	3.6	24
57	Mathematical Model for Small Size Time Series Data of Bacterial Secondary Metabolic Pathways. <i>Bioinformatics and Biology Insights</i> , 2018, 12, 117793221877507.	2.0	1
58	Engineering Human Epidermal Growth Receptor 2-Targeting Hepatitis B Virus Core Nanoparticles for siRNA Delivery <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Applied Nano Materials</i> , 2018, 1, 3269-3282.	5.0	17
59	A Cancer Treatment Strategy That Combines the Use of Inorganic/Biocomplex Nanoparticles With Conventional Radiation Therapy. , 2018, , 439-443.		0
60	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.	9.6	14
61	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.	4.0	23
62	Mixing Characteristics of Submerged Fungal Fluid in a Flexible Stirred Mixer System. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 143-151.	0.6	2
63	DNA-duplex linker for AFM-SELEX of DNA aptamer against human serum albumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 954-957.	2.2	28
64	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.	3.3	16
65	Caffeic acid production by simultaneous saccharification and fermentation of kraft pulp using recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5279-5290.	3.6	34
66	Future insights in fungal metabolic engineering. <i>Bioresource Technology</i> , 2017, 245, 1314-1326.	9.6	54
67	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.	2.2	6
68	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.	1.3	2
69	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.	3.6	12
70	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <i>Bioresource Technology</i> , 2017, 245, 1413-1420.	9.6	28
71	Bear-trap sensing of somatostatin via split aptamers and atomic force microscopy. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 600-605.	7.8	2
72	Glutathione production from mannan-based bioresource by mannanase/mannosidase expressing <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2017, 245, 1400-1406.	9.6	15

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73	Mannan endo-1,4- $\beta$ -mannosidase from <i>Kitasatospora</i> sp. isolated in Indonesia and its potential for production of manno oligosaccharides from mannan polymers. <i>AMB Express</i> , 2017, 7, 100.	3.0	25
74	Mapping of endoglucanases displayed on yeast cell surface using atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 134-142.	5.0	5
75	Engineering hepatitis B virus core particles for targeting HER2 receptors in vitro and in vivo. <i>Biomaterials</i> , 2017, 120, 126-138.	11.4	21
76	Ionic liquid pretreatment of bagasse improves mechanical property of bagasse/polypropylene composites. <i>Industrial Crops and Products</i> , 2017, 109, 158-162.	5.2	23
77	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.	4.6	19
78	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.	7.8	2
79	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.	9.6	17
80	Production of chemicals and proteins using biomass-derived substrates from a <i>Streptomyces</i> host. <i>Bioresource Technology</i> , 2017, 245, 1655-1663.	9.6	16
81	Microbial conversion of biomass into bio-based polymers. <i>Bioresource Technology</i> , 2017, 245, 1664-1673.	9.6	108
82	Biotransformation of ferulic acid to protocatechuic acid by <i>Corynebacterium glutamicum</i> ATCC 21420 engineered to express vanillate O-demethylase. <i>AMB Express</i> , 2017, 7, 130.	3.0	33
83	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.	3.5	15
84	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 229-237.	2.9	41
85	Acceleration of wound healing by ultrasound activation of TiO <sub>2</sub> in <i>Escherichia coli</i> -infected wounds in mice. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2344-2351.	3.4	16
86	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.	2.2	4
87	Overexpression of CO <sub>2</sub> -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.	2.0	4
88	Study of Titanium Peroxide Nanoparticles for Novel Radiation Therapy. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2016, 24, 30-34.	0.0	0
89	Lipase cocktail for efficient conversion of oils containing phospholipids to biodiesel. <i>Bioresource Technology</i> , 2016, 211, 224-230.	9.6	50
90	Titanium peroxide nanoparticles enhanced cytotoxic effects of X-ray irradiation against pancreatic cancer model through reactive oxygen species generation in vitro and in vivo. <i>Radiation Oncology</i> , 2016, 11, 91.	2.7	67

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91	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.	5.2	21
92	From mannan to bioethanol: cell surface co-display of $\beta$ -mannanase and $\beta$ -mannosidase on yeast <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 188.	6.2	27
93	Using a flexible shaft agitator to enhance the rheology of a complex fungal fermentation culture. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1793-1801.	3.4	3
94	Enhancement of astaxanthin production in <i>Xanthophyllomyces dendrorhous</i> by efficient method for the complete deletion of genes. <i>Microbial Cell Factories</i> , 2016, 15, 155.	4.0	39
95	Engineering of a novel cellulose-adherent cellulolytic <i>Saccharomyces cerevisiae</i> for cellulosic biofuel production. <i>Scientific Reports</i> , 2016, 6, 24550.	3.3	48
96	Characterization of titanium dioxide nanoparticles modified with polyacrylic acid and $H_2O_2$ for use as a novel radiosensitizer. <i>Free Radical Research</i> , 2016, 50, 1319-1328.	3.3	20
97	Organosolv pretreatment of sorghum bagasse using a low concentration of hydrophobic solvents such as 1-butanol or 1-pentanol. <i>Biotechnology for Biofuels</i> , 2016, 9, 27.	6.2	68
98	Characterization of cellulose nanofiber sheets from different refining processes. <i>Cellulose</i> , 2016, 23, 403-414.	4.9	40
99	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, 863-869.	1.3	4
100	Bioprocessing of bio-based chemicals produced from lignocellulosic feedstocks. <i>Current Opinion in Biotechnology</i> , 2016, 42, 30-39.	6.6	203
101	Nanofiltration concentration of extracellular glutathione produced by engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 96-100.	2.2	7
102	Production of protocatechuic acid by <i>Corynebacterium glutamicum</i> expressing chorismate-pyruvate lyase from <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 135-145.	3.6	54
103	Converting oils high in phospholipids to biodiesel using immobilized <i>Aspergillus oryzae</i> whole-cell biocatalysts expressing <i>Fusarium heterosporum</i> lipase. <i>Biochemical Engineering Journal</i> , 2016, 105, 10-15.	3.6	51
104	Sonocatalytic injury of cancer cells attached on the surface of a nickel-titanium dioxide alloy plate. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 1-6.	8.2	4
105	Current Status and Future Perspectives of Bio-Refinery. <i>Kagaku To Seibutsu</i> , 2015, 53, 689-695.	0.0	3
106	Phenylactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. <i>Bioresource Technology</i> , 2015, 182, 169-178.	9.6	31
107	The mapping of yeast's G-protein coupled receptor with an atomic force microscope. <i>Nanoscale</i> , 2015, 7, 4956-4963.	5.6	10
108	Mechanical milling and membrane separation for increased ethanol production during simultaneous saccharification and co-fermentation of rice straw by xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2015, 185, 263-268.	9.6	34

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109	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.	6.2	20
110	Saccharification and ethanol fermentation from cholinium ionic liquid-pretreated bagasse with a different number of post-pretreatment washings. <i>Bioresource Technology</i> , 2015, 189, 203-209.	9.6	37
111	Mutation of arginine residues to avoid non-specific cellular uptakes for hepatitis B virus core particles. <i>Journal of Nanobiotechnology</i> , 2015, 13, 15.	9.1	4
112	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, 1034-1037.	1.3	9
113	Repeated ethanol production from sweet sorghum juice concentrated by membrane separation. <i>Bioresource Technology</i> , 2015, 186, 351-355.	9.6	21
114	Production of d-lactic acid from hardwood pulp by mechanical milling followed by simultaneous saccharification and fermentation using metabolically engineered <i>Lactobacillus plantarum</i> . <i>Bioresource Technology</i> , 2015, 187, 167-172.	9.6	73
115	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2015, 198, 410-417.	9.6	27
116	Enzymatic synthesis and modification of structured phospholipids: recent advances in enzyme preparation and biocatalytic processes. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7879-7891.	3.6	29
117	Effect of post-pretreatment washing on saccharification and co-fermentation from bagasse pretreated with biocompatible cholinium ionic liquid. <i>Biochemical Engineering Journal</i> , 2015, 103, 198-204.	3.6	23
118	Ionic liquid/ultrasound pretreatment and in situ enzymatic saccharification of bagasse using biocompatible cholinium ionic liquid. <i>Bioresource Technology</i> , 2015, 176, 169-174.	9.6	76
119	Expression of cold-adapted $\beta$ -1,3-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.	2.2	6
120	Characterization of fractionated biomass component and recovered ionic liquid during repeated process of cholinium ionic liquid-assisted pretreatment and fractionation. <i>Chemical Engineering Journal</i> , 2015, 259, 323-329.	12.7	69
121	Abstract 3337: Titanium peroxide nanoparticles enhance antitumor efficacy through reactive oxygen species in pancreatic cancer radiation therapy. , 2015, , .		2
122	Changes in Lignin and Polysaccharide Components in 13 Cultivars of Rice Straw following Dilute Acid Pretreatment as Studied by Solution-State 2D 1H-13C NMR. <i>PLoS ONE</i> , 2015, 10, e0128417.	2.5	26
123	Development of a multi-gene expression system in <i>Xanthophyllomyces dendrorhous</i> . <i>Microbial Cell Factories</i> , 2014, 13, 175.	4.0	33
124	Targeted sonocatalytic cancer cell injury using avidin-conjugated titanium dioxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1624-1628.	8.2	58
125	Improvement of enzymatic activity of $\beta$ -glucosidase from <i>Thermotoga maritima</i> by 1-butyl-3-methylimidazolium acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 104, 17-22.	1.8	13
126	Induction of apoptosis associated with chromosomal DNA fragmentation and caspase-3 activation in leukemia L1210 cells by TiO <sub>2</sub> nanoparticles. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 129-133.	2.2	20



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127	Simultaneous saccharification and fermentation of kraft pulp by recombinant <i>Escherichia coli</i> for phenyllactic acid production. <i>Biochemical Engineering Journal</i> , 2014, 88, 188-194.	3.6	41
128	Microbial fluorescence sensing for human neurotensin receptor type 1 using $\text{G}\ddot{\text{I}}\pm$ -engineered yeast cells. <i>Analytical Biochemistry</i> , 2014, 446, 37-43.	2.4	15
129	Cloning and starch degradation profile of maltotriose-producing amylases from <i>Streptomyces</i> species. <i>Biotechnology Letters</i> , 2014, 36, 2311-2317.	2.2	13
130	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.	3.6	8
131	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.	3.6	17
132	Increased ethanol production from sweet sorghum juice concentrated by a membrane separation process. <i>Bioresource Technology</i> , 2014, 169, 821-825.	9.6	18
133	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.	9.6	18
134	Structural Evaluation of the DNA Aptamer for ATP DH25.42 by AFM. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2014, 33, 31-39.	1.1	8
135	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.	6.2	16
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