Kyoung Heon Kim

List of Publications by Year
in descending order

257	8,850	41627 51	84171 75
papers	citations	h-index	g-index

264	264	264	10467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of a Novel Acetogen Clostridium sp. JS66 for Production of Acids and Alcohols: Focusing on Hexanoic Acid Production from Syngas. Biotechnology and Bioprocess Engineering, 2022, 27, 89-98.	1.4	7
2	l-Fucose Synthesis Using a Halo- and Thermophilic l-Fucose Isomerase from Polyextremophilic Halothermothrix orenii. Applied Sciences (Switzerland), 2022, 12, 4029.	1.3	3
3	Multi-Step Enzymatic Production and Purification of 2-Keto-3-Deoxy-Galactonate from Red-Macroalgae-Derived Agarose. Marine Drugs, 2022, 20, 288.	2.2	0
4	Evaluation and optimization of quantitative analysis of cofactors from yeast by liquid chromatography/mass spectrometry. Analytica Chimica Acta, 2022, 1211, 339890.	2.6	1
5	Metabolic discrimination of synovial fluid between rheumatoid arthritis and osteoarthritis using gas chromatography/time-of-flight mass spectrometry. Metabolomics, 2022, 18, .	1.4	0
6	Non-Targeted Metabolomics Approach Revealed Significant Changes in Metabolic Pathways in Patients with Chronic Traumatic Encephalopathy. Biomedicines, 2022, 10, 1718.	1.4	2
7	Overproduction of Exopolysaccharide Colanic Acid by Escherichia coli by Strain Engineering and Media Optimization. Applied Biochemistry and Biotechnology, 2021, 193, 111-127.	1.4	12
8	Transcriptomic Changes Induced by Deletion of Transcriptional Regulator GCR2 on Pentose Sugar Metabolism in Saccharomyces cerevisiae. Frontiers in Bioengineering and Biotechnology, 2021, 9, 654177.	2.0	5
9	Dual Î±-1,4- and Î²-1,4-Glycosidase Activities by the Novel Carbohydrate-Binding Module in Î±-<scp>l</scp>-Fucosidase from Vibrio sp. Strain EJY3. Journal of Agricultural and Food Chemistry, 2021, 69, 3380-3389.	2.4	6
10	One-Pot Chemo-bioprocess of PET Depolymerization and Recycling Enabled by a Biocompatible Catalyst, Betaine. ACS Catalysis, 2021, 11, 3996-4008.	5.5	58
11	In Vitro Prebiotic and Anti-Colon Cancer Activities of Agar-Derived Sugars from Red Seaweeds. Marine Drugs, 2021, 19, 213.	2.2	18
12	Characterization of Neoagarooligosaccharide Hydrolase BpGH117 from a Human Gut Bacterium Bacteroides plebeius. Marine Drugs, 2021, 19, 271.	2.2	7
13	Metabolic and enzymatic elucidation of cooperative degradation of red seaweed agarose by two human gut bacteria. Scientific Reports, 2021, 11, 13955.	1.6	8
14	Antidiabetic Effect of Noodles Containing Fermented Lettuce Extracts. Metabolites, 2021, 11, 520.	1.3	10
15	Production of neoagarooligosaccharides by probiotic yeast Saccharomyces cerevisiae var. boulardii engineered as a microbial cell factory. Microbial Cell Factories, 2021, 20, 160.	1.9	13
16	Increased Production of Colanic Acid by an Engineered Escherichia coli Strain, Mediated by Genetic and Environmental Perturbations. Applied Biochemistry and Biotechnology, 2021, 193, 4083-4096.	1.4	5
17	Fast filtration with a vacuum manifold system as a rapid and robust metabolome sampling method for Saccharomyces cerevisiae. Process Biochemistry, 2021, 110, 195-200.	1.8	2
18	Characterization of BpGH16A of Bacteroides plebeius, a key enzyme initiating the depolymerization of agarose in the human gut. Applied Microbiology and Biotechnology, 2021, 105, 617-625.	1.7	9

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19	Characterization of an Antibacterial Agent Targeting Ferrous Iron Transport Protein FeoB against Staphylococcus aureus and Gram-Positive Bacteria. ACS Chemical Biology, 2021, 16, 136-149.	1.6	9
20	Comparative metabolite profiling of wild type and thermo-tolerant mutant of Saccharomyces cerevisiae. Process Biochemistry, 2021, 111, 62-68.	1.8	2
21	Isomer-Specific Monitoring of Sialylated N-Glycans Reveals Association of Î±2,3-Linked Sialic Acid Epitope With Behcetâ€™s Disease. Frontiers in Molecular Biosciences, 2021, 8, 778851.	1.6	3
22	Activation of ectopic olfactory receptor 544 induces GLP-1 secretion and regulates gut inflammation. Gut Microbes, 2021, 13, 1987782.	4.3	17
23	Long-Living Budding Yeast Cell Subpopulation Induced by Ethanol/Acetate and Respiration. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1448-1456.	1.7	6
24	Redirection of the Glycolytic Flux Enhances Isoprenoid Production in Saccharomyces cerevisiae. Biotechnology Journal, 2020, 15, e1900173.	1.8	24
25	Intracellular metabolite profiling and the evaluation of metabolite extraction solvents for Clostridium carboxidivorans fermenting carbon monoxide. Process Biochemistry, 2020, 89, 20-28.	1.8	13
26	Enhanced 2â€²-Fucosyllactose production by engineered Saccharomyces cerevisiae using xylose as a co-substrate. Metabolic Engineering, 2020, 62, 322-329.	3.6	29
27	Zmo0994, a novel LEA-like protein from Zymomonas mobilis, increases multi-abiotic stress tolerance in Escherichia coli. Biotechnology for Biofuels, 2020, 13, 151.	6.2	7
28	Thermophilic l-fucose isomerase from Thermanaeromonas toyohensis for l-fucose synthesis from l-fuculose. Process Biochemistry, 2020, 96, 131-137.	1.8	5
29	Isobutanol production from empty fruit bunches. Renewable Energy, 2020, 157, 1124-1130.	4.3	6
30	Systematic re-evaluation of the long-used standard protocol of urease-dependent metabolome sample preparation. PLoS ONE, 2020, 15, e0230072.	1.1	6
31	Biological upgrading of 3,6-anhydro-<scp>l</scp>-galactose from agarose to a new platform chemical. Green Chemistry, 2020, 22, 1776-1785.	4.6	15
32	Dual Agarolytic Pathways in a Marine Bacterium, Vibrio sp. Strain EJY3: Molecular and Enzymatic Verification. Applied and Environmental Microbiology, 2020, 86, .	1.4	22
33	Biochemical characterization of bacterial FeoBs: A perspective on nucleotide specificity. Archives of Biochemistry and Biophysics, 2020, 685, 108350.	1.4	16
34	Metabolomic Elucidation of the Effect of Sucrose on the Secondary Metabolite Profiles in Melissa officinalis by Ultraperformance Liquid Chromatographyâ€“Mass Spectrometry. ACS Omega, 2020, 5, 33186-33195.	1.6	10
35	Variation in the synovial fluid metabolome according to disease activity of rheumatoid arthritis. Clinical and Experimental Rheumatology, 2020, 38, 500-507.	0.4	3
36	Metabolomic Analysis Identifies Alterations of Amino Acid Metabolome Signatures in the Postmortem Brain of Alzheimer's Disease. Experimental Neurobiology, 2019, 28, 376-389.	0.7	26

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37	3,6-Anhydro-L-galactose increases hyaluronic acid production via the EGFR and AMPKÎ± signaling pathway in HaCaT keratinocytes. Journal of Dermatological Science, 2019, 96, 90-98.	1.0	15
38	Biological Valorization of Poly(ethylene terephthalate) Monomers for Upcycling Waste PET. ACS Sustainable Chemistry and Engineering, 2019, 7, 19396-19406.	3.2	141
39	Comprehensive genomic and transcriptomic analysis of polycyclic aromatic hydrocarbon degradation by a mycoremediation fungus, Dentipellis sp. KUC8613. Applied Microbiology and Biotechnology, 2019, 103, 8145-8155.	1.7	41
40	Deletion of PHO13 improves aerobic l-arabinose fermentation in engineered Saccharomyces cerevisiae. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1725-1731.	1.4	12
41	Metabolomic and Transcriptomic Analyses of Escherichia coli for Efficient Fermentation of L-Fucose. Marine Drugs, 2019, 17, 82.	2.2	19
42	Biosynthetic Routes for Producing Various Fucosyl-Oligosaccharides. ACS Synthetic Biology, 2019, 8, 415-424.	1.9	8
43	Integrative metabolomics reveals unique metabolic traits in Guillain-BarrÃ© Syndrome and its variants. Scientific Reports, 2019, 9, 1077.	1.6	16
44	Anticariogenic Activity of Agarobiose and Agarooligosaccharides Derived from Red Macroalgae. Journal of Agricultural and Food Chemistry, 2019, 67, 7297-7303.	2.4	17
45	Cellulase recycling in high-solids enzymatic hydrolysis of pretreated empty fruit bunches. Biotechnology for Biofuels, 2019, 12, 138.	6.2	35
46	Metabolite profile changes and increased antioxidative and antiinflammatory activities of mixed vegetables after fermentation by Lactobacillus plantarum. PLoS ONE, 2019, 14, e0217180.	1.1	19
47	Comparative global metabolite profiling of xylose-fermenting Saccharomyces cerevisiae SR8 and Scheffersomyces stipitis. Applied Microbiology and Biotechnology, 2019, 103, 5435-5446.	1.7	25
48	Pretreatment and enzymatic saccharification of oak at high solids loadings to obtain high titers and high yields of sugars. Bioresource Technology, 2019, 284, 391-397.	4.8	26
49	Enzymatic synthesis of l-fucose from l-fuculose using a fucose isomerase from Raoultella sp. and the biochemical and structural analyses of the enzyme. Biotechnology for Biofuels, 2019, 12, 282.	6.2	13
50	Largely enhanced bioethanol production through the combined use of lignin-modified sugarcane and xylose fermenting yeast strain. Bioresource Technology, 2018, 256, 312-320.	4.8	35
51	Metabolomic elucidation of the effects of media and carbon sources on fatty acid production by Yarrowia lipolytica. Journal of Biotechnology, 2018, 272-273, 7-13.	1.9	10
52	Metabolomic response of a marine bacterium to 3,6-anhydro- l -galactose, the rare sugar from red macroalgae, as the sole carbon source. Journal of Biotechnology, 2018, 270, 12-20.	1.9	2
53	Caloric Restriction and Rapamycin Differentially Alter Energy Metabolism in Yeast. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 29-38.	1.7	25
54	Potential metabolomic biomarkers for reliable diagnosis of Behcet's disease using gas chromatography/ time-of-flight-mass spectrometry. Joint Bone Spine, 2018, 85, 337-343.	0.8	18

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55	High substrate specificity of 3,6-anhydro- l -galactose dehydrogenase indicates its essentiality in the agar catabolism of a marine bacterium. Process Biochemistry, 2018, 64, 130-135.	1.8	7
56	Optimization of hexanoic acid production in recombinant Escherichia coli by precise flux rebalancing. Bioresource Technology, 2018, 247, 1253-1257.	4.8	21
57	Beneficial Effects of Marine Algae-Derived Carbohydrates for Skin Health. Marine Drugs, 2018, 16, 459.	2.2	54
58	Biosynthesis of a Functional Human Milk Oligosaccharide, 2â€²-Fucosyllactose, and <scp>l</scp>-Fucose Using Engineered Saccharomyces cerevisiae. ACS Synthetic Biology, 2018, 7, 2529-2536.	1.9	35
59	Novel Two-Step Process Utilizing a Single Enzyme for the Production of High-Titer 3,6-Anhydro-<scp>l</scp>-galactose from Agarose Derived from Red Macroalgae. Journal of Agricultural and Food Chemistry, 2018, 66, 12249-12256.	2.4	18
60	Metabolomic elucidation of recovery of Melissa officinalis from UV-B irradiation stress. Industrial Crops and Products, 2018, 121, 428-433.	2.5	7
61	Metabolic engineering of Saccharomyces cerevisiae by using the CRISPR-Cas9 system for enhanced fatty acid production. Process Biochemistry, 2018, 73, 23-28.	1.8	9
62	Promiscuous activities of heterologous enzymes lead to unintended metabolic rerouting in Saccharomyces cerevisiae engineered to assimilate various sugars from renewable biomass. Biotechnology for Biofuels, 2018, 11, 140.	6.2	17
63	Production of a human milk oligosaccharide 2â€²-fucosyllactose by metabolically engineered Saccharomyces cerevisiae. Microbial Cell Factories, 2018, 17, 101.	1.9	73
64	A novel Î²-glucosidase from Saccharophagus degradans 2-40T for the efficient hydrolysis of laminarin from brown macroalgae. Biotechnology for Biofuels, 2018, 11, 64.	6.2	21
65	Multi-omic characterization of laboratory-evolved Saccharomyces cerevisiae HJ7-14 with high ability of algae-based ethanol production. Applied Microbiology and Biotechnology, 2018, 102, 8989-9002.	1.7	5
66	Effect of 3,6â€anhydroâ€<scp>l</scp>â€galactose on Îąâ€melanocyte stimulating hormoneâ€induced melanogenesis in human melanocytes and a skinâ€equivalent model. Journal of Cellular Biochemistry, 2018, 119, 7643-7656.	1.2	13
67	Comparative assessment of Gravesâ€™ disease and main extrathyroidal manifestation, Gravesâ€™ ophthalmopathy, by non-targeted metabolite profiling of blood and orbital tissue. Scientific Reports, 2018, 8, 9262.	1.6	24
68	Global profiling of metabolic response of Caenorhabditis elegans against Escherichia coli O157:H7. Process Biochemistry, 2017, 53, 36-43.	1.8	5
69	Intracellular metabolite profiling of Saccharomyces cerevisiae evolved under furfural. Microbial Biotechnology, 2017, 10, 395-404.	2.0	25
70	Fed-Batch Enzymatic Saccharification of High Solids Pretreated Lignocellulose for Obtaining High Titers and High Yields of Glucose. Applied Biochemistry and Biotechnology, 2017, 182, 1108-1120.	1.4	37
71	Cellotriose-hydrolyzing activity conferred by truncating the carbohydrate-binding modules of Cel5 from Hahella chejuensis. Bioprocess and Biosystems Engineering, 2017, 40, 241-249.	1.7	5
72	Type-dependent action modes of TtAA9E and TaAA9A acting on cellulose and differently pretreated lignocellulosic substrates. Biotechnology for Biofuels, 2017, 10, 46.	6.2	30

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73	The water channel protein aquaporin 1 regulates cellular metabolism and competitive fitness in a global fungal pathogen <scp>C</scp>ryptococcus neoformans. Environmental Microbiology Reports, 2017, 9, 268-278.	1.0	8
74	Enhanced enzymatic hydrolysis of hydrothermally pretreated empty fruit bunches at high solids loadings by the synergism of hemicellulase and polyethylene glycol. Process Biochemistry, 2017, 58, 211-216.	1.8	21
75	Effects of minimal media vs. complex media on the metabolite profiles of Escherichia coli and Saccharomyces cerevisiae. Process Biochemistry, 2017, 57, 64-71.	1.8	31
76	Rapid and robust enzymatic sensing and quantitation of 3,6-Anhydro-L-galactose in a heterogeneous sugar mixture. Carbohydrate Research, 2017, 446-447, 13-18.	1.1	3
77	Exploratory metabolomics of biomarker identification for the internet gaming disorder in young Korean males. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1057, 24-31.	1.2	12
78	Continuous supply of glucose and glycerol enhances biotransformation of ricinoleic acid to (E) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 253, 34-39.	1.9	5
79	Pure enzyme cocktails tailored for the saccharification of sugarcane bagasse pretreated by using different methods. Process Biochemistry, 2017, 57, 167-174.	1.8	18
80	Efficacy of pretreating oil palm fronds with an acidâ€"base mixture catalyst. Bioresource Technology, 2017, 236, 234-237.	4.8	7
81	Expression of a mutated SPT15 gene in Saccharomyces cerevisiae enhances both cell growth and ethanol production in microaerobic batch, fed-batch, and simultaneous saccharification and fermentations. Applied Microbiology and Biotechnology, 2017, 101, 3567-3575.	1.7	13
82	Production of high-value Î²-1,3-glucooligosaccharides by microwave-assisted hydrothermal hydrolysis of curdlan. Process Biochemistry, 2017, 52, 233-237.	1.8	27
83	Physiological and Metabolomic Analysis of Issatchenkia orientalis MTY1 With Multiple Tolerance for Cellulosic Bioethanol Production. Biotechnology Journal, 2017, 12, 1700110.	1.8	12
84	Crystal structure analysis of 3,6-anhydro- l -galactonate cycloisomerase suggests emergence of novel substrate specificity in the enolase superfamily. Biochemical and Biophysical Research Communications, 2017, 491, 217-222.	1.0	1
85	Urinary profiling of tryptophan and its related metabolites in patients with metabolic syndrome by liquid chromatography-electrospray ionization/mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 5501-5512.	1.9	26
86	Current knowledge on agarolytic enzymes and the industrial potential of agar-derived sugars. Applied Microbiology and Biotechnology, 2017, 101, 5581-5589.	1.7	64
87	3,6-Anhydro-l-galactose, a rare sugar from agar, a new anticariogenic sugar to replace xylitol. Food Chemistry, 2017, 221, 976-983.	4.2	35
88	The first bacterial Î²-1,6-endoglucanase from Saccharophagus degradans 2-40T for the hydrolysis of pustulan and laminarin. Applied Microbiology and Biotechnology, 2017, 101, 197-204.	1.7	15
89	Metabolite profiles of synovial fluid change with the radiographic severity of knee osteoarthritis. Joint Bone Spine, 2017, 84, 605-610.	0.8	63
90	Enzymatic liquefaction of agarose above the solâ€"gel transition temperature using a thermostable endo-type Î²-agarase, Aga16B. Applied Microbiology and Biotechnology, 2017, 101, 1111-1120.	1.7	38

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91	Urinary Metabolomic Profiling to Identify Potential Biomarkers for the Diagnosis of Behcetâ€™s Disease by Gas Chromatography/Time-of-Flightâ€“Mass Spectrometry. International Journal of Molecular Sciences, 2017, 18, 2309.	1.8	19
92	Different Levels of Skin Whitening Activity among 3,6-Anhydro-l-galactose, Agarooligosaccharides, and Neoagarooligosaccharides. Marine Drugs, 2017, 15, 321.	2.2	68
93	3,6-Anhydro-L-galactonate cycloisomerase fromVibriosp. strain EJY3: crystallization and X-ray crystallographic analysis. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 511-514.	0.4	3
94	Evaluation of commercial cellulase preparations for the efficient hydrolysis of hydrothermally pretreated empty fruit bunches. BioResources, 2017, 12, 7834-7840.	0.5	25
95	Highly Time-Resolved Metabolic Reprogramming toward Differential Levels of Phosphate in Chlamydomonas reinhardtii. Journal of Microbiology and Biotechnology, 2017, 27, 1150-1156.	0.9	2
96	Effective Thermal Inactivation of the Spores of Bacillus cereus Biofilms Using Microwave. Journal of Microbiology and Biotechnology, 2017, 27, 1209-1215.	0.9	21
97	Elucidation of ethanol tolerance mechanisms in Saccharomyces cerevisiae by global metabolite profiling. Biotechnology Journal, 2016, 11, 1221-1229.	1.8	26
98	Enhanced production of 2,3-butanediol by engineered Saccharomyces cerevisiae through fine-tuning of pyruvate decarboxylase and NADH oxidase activities. Biotechnology for Biofuels, 2016, 9, 265.	6.2	48
99	Systematic biomarker discovery and coordinative validation for different primary nephrotic syndromes using gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2016, 1453, 105-115.	1.8	27
100	Ex situ product recovery for enhanced butanol production by Clostridium beijerinckii. Bioprocess and Biosystems Engineering, 2016, 39, 695-702.	1.7	4
101	A Novel Glycoside Hydrolase Family 5 Î²-1,3-1,6-Endoglucanase from Saccharophagus degradans 2-40 ^T and Its Transglycosylase Activity. Applied and Environmental Microbiology, 2016, 82, 4340-4349.	1.4	23
102	Validation of the metabolic pathway of the alginate-derived monomer in Saccharophagus degradans 2-40 T by gas chromatographyâ€“mass spectrometry. Process Biochemistry, 2016, 51, 1374-1379.	1.8	6
103	Effective production of fermentable sugars from brown macroalgae biomass. Applied Microbiology and Biotechnology, 2016, 100, 9439-9450.	1.7	24
104	Biomass, strain engineering, and fermentation processes for butanol production by solventogenic clostridia. Applied Microbiology and Biotechnology, 2016, 100, 8255-8271.	1.7	44
105	Enhanced butanol fermentation using metabolically engineered Clostridium acetobutylicum with ex situ recovery of butanol. Bioresource Technology, 2016, 218, 909-917.	4.8	22
106	Synergism of an auxiliary activity 9 (AA9) from Chaetomium globosum with xylanase on the hydrolysis of xylan and lignocellulose. Process Biochemistry, 2016, 51, 1445-1451.	1.8	32
107	Distinctive metabolomic responses of Chlamydomonas reinhardtii to the chemical elicitation by methyl jasmonate and salicylic acid. Process Biochemistry, 2016, 51, 1147-1154.	1.8	27
108	GC/TOF-MS-based metabolomic profiling in cultured fibroblast-like synoviocytes from rheumatoid arthritis. Joint Bone Spine, 2016, 83, 707-713.	0.8	63

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109	Efficacy of acidic pretreatment for the saccharification and fermentation of alginate from brown macroalgae. Bioprocess and Biosystems Engineering, 2016, 39, 959-966.	1.7	12
110	Characterization of the biochemical properties of recombinant Xyn10C from a marine bacterium, Saccharophagus degradans 2-40. Bioprocess and Biosystems Engineering, 2016, 39, 677-684.	1.7	11
111	Ethanol production from lignocellulosic hydrolysates using engineered Saccharomyces cerevisiae harboring xylose isomerase-based pathway. Bioresource Technology, 2016, 209, 290-296.	4.8	91
112	PHO13 deletion-induced transcriptional activation prevents sedoheptulose accumulation during xylose metabolism in engineered Saccharomyces cerevisiae. Metabolic Engineering, 2016, 34, 88-96.	3.6	74
113	Food metabolomics: from farm to human. Current Opinion in Biotechnology, 2016, 37, 16-23.	3.3	98
114	Pretreatment and saccharification of red macroalgae to produce fermentable sugars. Bioresource Technology, 2016, 199, 311-318.	4.8	87
115	Contribution of Drosophila TRPA1 to Metabolism. PLoS ONE, 2016, 11, e0152935.	1.1	11
116	Disease Type- and Status-Specific Alteration of CSF Metabolome Coordinated with Clinical Parameters in Inflammatory Demyelinating Diseases of CNS. PLoS ONE, 2016, 11, e0166277.	1.1	24
117	Single Crossover-Mediated Markerless Genome Engineering in Clostridium acetobutylicum. Journal of Microbiology and Biotechnology, 2016, 26, 725-729.	0.9	10
118	A Comparative Metabolomic Evaluation of Behcetâ€™s Disease with Arthritis and Seronegative Arthritis Using Synovial Fluid. PLoS ONE, 2015, 10, e0135856.	1.1	18
119	Metabolomic Elucidation of the Effects of Curcumin on Fibroblast-Like Synoviocytes in Rheumatoid Arthritis. PLoS ONE, 2015, 10, e0145539.	1.1	37
120	Whole slurry saccharification and fermentation of maleic acid-pretreated rice straw for ethanol production. Bioprocess and Biosystems Engineering, 2015, 38, 1639-1644.	1.7	21
121	Red macroalgae as a sustainable resource for bio-based products. Trends in Biotechnology, 2015, 33, 247-249.	4.9	68
122	Crystal structure analysis of a bacterial aryl acylamidase belonging to the amidase signature enzyme family. Biochemical and Biophysical Research Communications, 2015, 467, 268-274.	1.0	23
123	Engineering Escherichia coli for the production of adipic acid through the reversed Î²-oxidation pathway. Process Biochemistry, 2015, 50, 2066-2071.	1.8	30
124	Mimicking the Fenton reaction-induced wood decay by fungi for pretreatment of lignocellulose. Bioresource Technology, 2015, 179, 467-472.	4.8	75
125	Acidic Pretreatment. , 2015, , 27-50.		44
126	Customized optimization of cellulase mixtures for differently pretreated rice straw. Bioprocess and Biosystems Engineering, 2015, 38, 929-937.	1.7	24

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127	Whole cell bioconversion of vitamin D3 to calcitriol using Pseudonocardia sp. KCTC 1029BP. Bioprocess and Biosystems Engineering, 2015, 38, 1281-1290.	1.7	12
128	Effective inactivation of Candida albicans biofilms by using supercritical carbon dioxide. Bioprocess and Biosystems Engineering, 2015, 38, 1731-1737.	1.7	4
129	Production of (S)-3-hydroxybutyrate by metabolically engineered Saccharomyces cerevisiae. Journal of Biotechnology, 2015, 209, 23-30.	1.9	10
130	Genome sequence of a white rot fungus Schizopora paradoxa KUC8140 for wood decay and mycoremediation. Journal of Biotechnology, 2015, 211, 42-43.	1.9	21
131	Evolutionary engineering of Saccharomyces cerevisiae for efficient conversion of red algal biosugars to bioethanol. Bioresource Technology, 2015, 191, 445-451.	4.8	29
132	Compounds inhibiting the bioconversion of hydrothermally pretreated lignocellulose. Applied Microbiology and Biotechnology, 2015, 99, 4201-4212.	1.7	106
133	Optimization of synergism of a recombinant auxiliary activity 9 from Chaetomium globosum with cellulase in cellulose hydrolysis. Applied Microbiology and Biotechnology, 2015, 99, 8537-8547.	1.7	54
134	Deletion of PHO13 , Encoding Haloacid Dehalogenase Type IIA Phosphatase, Results in Upregulation of the Pentose Phosphate Pathway in Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2015, 81, 1601-1609.	1.4	60
135	Tolerance to acetic acid is improved by mutations of the <scp>TATA</scp>â€binding protein gene. Environmental Microbiology, 2015, 17, 656-669.	1.8	18
136	Bioconversion of vitamin D3 to calcifediol by using resting cells of Pseudonocardia sp.. Biotechnology Letters, 2015, 37, 1895-1904.	1.1	12
137	The novel catabolic pathway of 3,6â€anhydroâ€<scp>L</scp>â€galactose, the main component of red macroalgae, in a marine bacterium. Environmental Microbiology, 2015, 17, 1677-1688.	1.8	106
138	Combination of high solids loading pretreatment and ethanol fermentation of whole slurry of pretreated rice straw to obtain high ethanol titers and yields. Bioresource Technology, 2015, 198, 861-866.	4.8	23
139	Ex situ product recovery and strain engineering of Clostridium acetobutylicum for enhanced production of butanol. Process Biochemistry, 2015, 50, 1683-1691.	1.8	21
140	Saccharification of agar using hydrothermal pretreatment and enzymes supplemented with agarolytic Î²-galactosidase. Process Biochemistry, 2015, 50, 1629-1633.	1.8	28
141	A New Shuttle Plasmid That Stably Replicates in Clostridium acetobutylicum. Journal of Microbiology and Biotechnology, 2015, 25, 1702-1708.	0.9	4
142	Global Metabolite Profiling of Synovial Fluid for the Specific Diagnosis of Rheumatoid Arthritis from Other Inflammatory Arthritis. PLoS ONE, 2014, 9, e97501.	1.1	124
143	Atmospheric vs. anaerobic processing of metabolome samples for the metabolite profiling of a strict anaerobic bacterium, Clostridium acetobutylicum. Biotechnology and Bioengineering, 2014, 111, 2528-2536.	1.7	14
144	Optimization of sono-assisted dilute sulfuric acid process for simultaneous pretreatment and saccharification of rice straw. International Journal of Environmental Science and Technology, 2014, 11, 543-550.	1.8	26

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145	Effects of signal sequences and folding accessory proteins on extracellular expression of carboxypeptidase Y in recombinant Saccharomyces cerevisiae. Bioprocess and Biosystems Engineering, 2014, 37, 1065-1071.	1.7	6
146	Whole slurry fermentation of maleic acid-pretreated oil palm empty fruit bunches for ethanol production not necessitating a detoxification process. Bioprocess and Biosystems Engineering, 2014, 37, 659-665.	1.7	27
147	Optimal production of 4-deoxy-l-erythro-5-hexoseulose uronic acid from alginate for brown macro algae saccharification by combining endo- and exo-type alginate lyases. Bioprocess and Biosystems Engineering, 2014, 37, 2105-2111.	1.7	41
148	One-pot pretreatment, saccharification and ethanol fermentation of lignocellulose based on acidâ€“base mixture pretreatment. RSC Advances, 2014, 4, 55318-55327.	1.7	26
149	Synergistic proteins for the enhanced enzymatic hydrolysis of cellulose by cellulase. Applied Microbiology and Biotechnology, 2014, 98, 8469-8480.	1.7	92
150	A Novel Agarolytic Î²-Galactosidase Acts on Agarooligosaccharides for Complete Hydrolysis of Agarose into Monomers. Applied and Environmental Microbiology, 2014, 80, 5965-5973.	1.4	78
151	Feasibility test of utilizing Saccharophagus degradans 2-40T as the source of crude enzyme for the saccharification of lignocellulose. Bioprocess and Biosystems Engineering, 2014, 37, 707-710.	1.7	6
152	Linalool is a PPARÎ± ligand that reduces plasma TG levels and rewires the hepatic transcriptome and plasma metabolome. Journal of Lipid Research, 2014, 55, 1098-1110.	2.0	38
153	Metabolic engineering of Corynebacterium glutamicum to produce GDP-l-fucose from glucose and mannose. Bioprocess and Biosystems Engineering, 2013, 36, 749-756.	1.7	30
154	Addition of ethanol to supercritical carbon dioxide enhances the inactivation of bacterial spores in the biofilm of Bacillus cereus. International Journal of Food Microbiology, 2013, 166, 207-212.	2.1	32
155	Dilute acid pretreatment of lignocellulose for whole slurry ethanol fermentation. Bioresource Technology, 2013, 132, 109-114.	4.8	122
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