

Kyoung Heon Kim

List of Publications by Year in descending order

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257
papers

8,850
citations

41627

51
h-index

84171

75
g-index

264
all docs

264
docs citations

264
times ranked

10467
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercritical CO ₂ pretreatment of lignocellulose enhances enzymatic cellulose hydrolysis. <i>Bioresource Technology</i> , 2001, 77, 139-144.	4.8	303
2	Ethanol production from rice straw using optimized aqueous-ammonia soaking pretreatment and simultaneous saccharification and fermentation processes. <i>Bioresource Technology</i> , 2009, 100, 4374-4380.	4.8	247
3	Improved enzymatic hydrolysis yield of rice straw using electron beam irradiation pretreatment. <i>Bioresource Technology</i> , 2009, 100, 1285-1290.	4.8	202
4	Fungal pretreatment of lignocellulose by <i>Phanerochaete chrysosporium</i> to produce ethanol from rice straw. <i>Biotechnology and Bioengineering</i> , 2009, 104, 471-482.	1.7	176
5	Functional characterization of a bacterial expansin from <i>Bacillus subtilis</i> for enhanced enzymatic hydrolysis of cellulose. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1342-1353.	1.7	142
6	Biological Valorization of Poly(ethylene terephthalate) Monomers for Upcycling Waste PET. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19396-19406.	3.2	141
7	Evaluation and Optimization of Metabolome Sample Preparation Methods for <i>Saccharomyces cerevisiae</i> . <i>Analytical Chemistry</i> , 2013, 85, 2169-2176.	3.2	133
8	Antioxidant Effects of Aqueous Extract of <i>Terminalia chebula</i> in Vivo and in Vitro. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 1639-1644.	0.6	130
9	Overexpression and molecular characterization of Aga50D from <i>Saccharophagus degradans</i> 2-40: an exo-type Î ² -agarase producing neoagarobiose. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 227-234.	1.7	127
10	Global Metabolite Profiling of Synovial Fluid for the Specific Diagnosis of Rheumatoid Arthritis from Other Inflammatory Arthritis. <i>PLoS ONE</i> , 2014, 9, e97501.	1.1	124
11	Dilute acid pretreatment of lignocellulose for whole slurry ethanol fermentation. <i>Bioresource Technology</i> , 2013, 132, 109-114.	4.8	122
12	Compounds inhibiting the bioconversion of hydrothermally pretreated lignocellulose. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4201-4212.	1.7	106
13	The novel catabolic pathway of 3,6-anhydro- α -D-galactose, the main component of red macroalgae, in a marine bacterium. <i>Environmental Microbiology</i> , 2015, 17, 1677-1688.	1.8	106
14	Anti-diabetic effects of lemon balm (<i>Melissa officinalis</i>) essential oil on glucose- and lipid-regulating enzymes in type 2 diabetic mice. <i>British Journal of Nutrition</i> , 2010, 104, 180-188.	1.2	104
15	Effects of cosolvents on the decaffeination of green tea by supercritical carbon dioxide. <i>Food Chemistry</i> , 2007, 105, 1011-1017.	4.2	100
16	Food metabolomics: from farm to human. <i>Current Opinion in Biotechnology</i> , 2016, 37, 16-23.	3.3	98
17	Enzymatic production of 3,6-anhydro- α -D-galactose from agarose and its purification and in vitro skin whitening and anti-inflammatory activities. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2961-2970.	1.7	96
18	Synergistic proteins for the enhanced enzymatic hydrolysis of cellulose by cellulase. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8469-8480.	1.7	92

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19	Ethanol production from lignocellulosic hydrolysates using engineered <i>Saccharomyces cerevisiae</i> harboring xylose isomerase-based pathway. <i>Bioresource Technology</i> , 2016, 209, 290-296.	4.8	91
20	Depolymerization of alginate into a monomeric sugar acid using Alg17C, an exo-oligoalginate lyase cloned from <i>Saccharophagus degradans</i> 2-40. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2233-2239.	1.7	90
21	Pretreatment and saccharification of red macroalgae to produce fermentable sugars. <i>Bioresource Technology</i> , 2016, 199, 311-318.	4.8	87
22	A Novel Agarolytic β -Galactosidase Acts on Agarooligosaccharides for Complete Hydrolysis of Agarose into Monomers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5965-5973.	1.4	78
23	Crystal structure of a key enzyme in the agarolytic pathway, β -neoagarobiose hydrolase from <i>Saccharophagus degradans</i> 2-40. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 238-244.	1.0	76
24	Effect of mass transfer on the removal of caffeine from green tea by supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2007, 42, 205-211.	1.6	75
25	Mimicking the Fenton reaction-induced wood decay by fungi for pretreatment of lignocellulose. <i>Bioresource Technology</i> , 2015, 179, 467-472.	4.8	75
26	Aqueous ammonia pretreatment of oil palm empty fruit bunches for ethanol production. <i>Bioresource Technology</i> , 2011, 102, 9806-9809.	4.8	74
27	PHO13 deletion-induced transcriptional activation prevents sedoheptulose accumulation during xylose metabolism in engineered <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2016, 34, 88-96.	3.6	74
28	Production of a human milk oligosaccharide β -fucosyllactose by metabolically engineered <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2018, 17, 101.	1.9	73
29	The complete enzymatic saccharification of agarose and its application to simultaneous saccharification and fermentation of agarose for ethanol production. <i>Bioresource Technology</i> , 2012, 107, 301-306.	4.8	72
30	Evaluation of Sampling and Extraction Methodologies for the Global Metabolic Profiling of <i>Saccharophagus degradans</i> . <i>Analytical Chemistry</i> , 2010, 82, 6660-6666.	3.2	70
31	Conversion of bark-rich biomass mixture into fermentable sugar by two-stage dilute acid-catalyzed hydrolysis. <i>Bioresource Technology</i> , 2005, 96, 1249-1255.	4.8	69
32	Red macroalgae as a sustainable resource for bio-based products. <i>Trends in Biotechnology</i> , 2015, 33, 247-249.	4.9	68
33	Different Levels of Skin Whitening Activity among 3,6-Anhydro-l-galactose, Agarooligosaccharides, and Neoagarooligosaccharides. <i>Marine Drugs</i> , 2017, 15, 321.	2.2	68
34	Optimal recovery of high-purity rutin crystals from the whole plant of <i>Fagopyrum esculentum</i> Moench (buckwheat) by extraction, fractionation, and recrystallization. <i>Bioresource Technology</i> , 2005, 96, 1709-1712.	4.8	67
35	Modeling of the inactivation of <i>Salmonella typhimurium</i> by supercritical carbon dioxide in physiological saline and phosphate-buffered saline. <i>Journal of Microbiological Methods</i> , 2007, 70, 132-141.	0.7	66
36	Current knowledge on agarolytic enzymes and the industrial potential of agar-derived sugars. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5581-5589.	1.7	64

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37	GC/TOF-MS-based metabolomic profiling in cultured fibroblast-like synoviocytes from rheumatoid arthritis. <i>Joint Bone Spine</i> , 2016, 83, 707-713.	0.8	63
38	Metabolite profiles of synovial fluid change with the radiographic severity of knee osteoarthritis. <i>Joint Bone Spine</i> , 2017, 84, 605-610.	0.8	63
39	Ectopic expression of Expansin3 or Expansin ² 1 causes enhanced hormone and salt stress sensitivity in Arabidopsis. <i>Biotechnology Letters</i> , 2008, 30, 1281-1288.	1.1	62
40	Characterization of a recombinant endo-type alginate lyase (Alg7D) from <i>Saccharophagus degradans</i> . <i>Biotechnology Letters</i> , 2012, 34, 1087-1092.	1.1	60
41	Deletion of <i>PHO13</i> , Encoding Haloacid Dehalogenase Type IIA Phosphatase, Results in Upregulation of the Pentose Phosphate Pathway in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 1601-1609.	1.4	60
42	An Expansin-Like Protein from <i>Hahella chejuensis</i> Binds Cellulose and Enhances Cellulase Activity. <i>Molecules and Cells</i> , 2010, 29, 379-386.	1.0	59
43	Effect of Nafion [®] gradient in dual catalyst layer on proton exchange membrane fuel cell performance. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2783-2789.	3.8	58
44	One-Pot Chemo-bioprocess of PET Depolymerization and Recycling Enabled by a Biocompatible Catalyst, Betaine. <i>ACS Catalysis</i> , 2021, 11, 3996-4008.	5.5	58
45	Aroma dilution method using GC injector split ratio for volatile compounds extracted by headspace solid phase microextraction. <i>Food Chemistry</i> , 2003, 83, 151-158.	4.2	57
46	High temperature and low acid pretreatment and agarase treatment of agarose for the production of sugar and ethanol from red seaweed biomass. <i>Bioresource Technology</i> , 2013, 136, 582-587.	4.8	55
47	Optimization of synergism of a recombinant auxiliary activity 9 from <i>Chaetomium globosum</i> with cellulase in cellulose hydrolysis. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8537-8547.	1.7	54
48	Beneficial Effects of Marine Algae-Derived Carbohydrates for Skin Health. <i>Marine Drugs</i> , 2018, 16, 459.	2.2	54
49	Biological pretreatment of rice straw by fermenting with <i>Dichomitus squalens</i> . <i>New Biotechnology</i> , 2010, 27, 424-434.	2.4	53
50	Modeling the inactivation of <i>Escherichia coli</i> O157:H7 and generic <i>Escherichia coli</i> by supercritical carbon dioxide. <i>International Journal of Food Microbiology</i> , 2007, 118, 52-61.	2.1	52
51	Ethanol production from oil palm trunks treated with aqueous ammonia and cellulase. <i>Bioresource Technology</i> , 2011, 102, 7307-7312.	4.8	52
52	Induction of apoptosis in a human lymphoma cell line by hydrophobic peptide fraction separated from anchovy sauce. <i>BioFactors</i> , 2004, 21, 63-67.	2.6	51
53	Effects of Pressing Lignocellulosic Biomass on Sugar Yield in Two-Stage Dilute-Acid Hydrolysis Process. <i>Biotechnology Progress</i> , 2002, 18, 489-494.	1.3	50
54	Response surface optimised extraction and chromatographic purification of rosmarinic acid from <i>Melissa officinalis</i> leaves. <i>Food Chemistry</i> , 2010, 121, 521-526.	4.2	50

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55	Effects of supercritical carbon dioxide treatment for sterilization purpose on meat quality of porcine longissimus dorsi muscle. <i>LWT - Food Science and Technology</i> , 2008, 41, 317-322.	2.5	49
56	Effects of supercritical carbon dioxide treatment against generic <i>Escherichia coli</i> , <i>Listeria monocytogenes</i> , <i>Salmonella typhimurium</i> , and <i>E. coli</i> O157:H7 in marinades and marinated pork. <i>Meat Science</i> , 2009, 82, 419-424.	2.7	49
57	Enhanced production of 2,3-butanediol by engineered <i>Saccharomyces cerevisiae</i> through fine-tuning of pyruvate decarboxylase and NADH oxidase activities. <i>Biotechnology for Biofuels</i> , 2016, 9, 265.	6.2	48
58	Combined effect of organic acids and supercritical carbon dioxide treatments against nonpathogenic <i>Escherichia coli</i> , <i>Listeria monocytogenes</i> , <i>Salmonella typhimurium</i> and <i>E. coli</i> O157:H7 in fresh pork. <i>Letters in Applied Microbiology</i> , 2009, 49, 510-515.	1.0	47
59	Analysis of survival rates and cellular fatty acid profiles of <i>Listeria monocytogenes</i> treated with supercritical carbon dioxide under the influence of cosolvents. <i>Journal of Microbiological Methods</i> , 2008, 75, 47-54.	0.7	46
60	Equilibrium solubilities of spearmint oil components in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 1999, 164, 107-115.	1.4	45
61	Linalool reduces the expression of 3-hydroxy-3-methylglutaryl CoA reductase via sterol regulatory element binding protein-2- and ubiquitin-dependent mechanisms. <i>FEBS Letters</i> , 2011, 585, 3289-3296.	1.3	45
62	Production of 3,6-anhydro-l-galactose from agarose by agarolytic enzymes of <i>Saccharophagus degradans</i> 2-40. <i>Process Biochemistry</i> , 2011, 46, 88-93.	1.8	44
63	Acidic Pretreatment. , 2015, , 27-50.		44
64	Biomass, strain engineering, and fermentation processes for butanol production by solventogenic clostridia. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8255-8271.	1.7	44
65	Pharmacogenetics Meets Metabolomics: Discovery of Tryptophan as a New Endogenous OCT2 Substrate Related to Metformin Disposition. <i>PLoS ONE</i> , 2012, 7, e36637.	1.1	43
66	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. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 2105-2111.	1.7	41
67	Comprehensive genomic and transcriptomic analysis of polycyclic aromatic hydrocarbon degradation by a mycoremediation fungus, <i>Dentipellis</i> sp. KUC8613. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8145-8155.	1.7	41
68	Cell Cycle Dysregulation Induced by Cytoplasm of <i>Lactococcus lactis</i> ssp. <i>lactis</i> in SNUC2A, a Colon Cancer Cell Line. <i>Nutrition and Cancer</i> , 2003, 46, 197-201.	0.9	39
69	<i>Melissa officinalis</i> Essential Oil Reduces Plasma Triglycerides in Human Apolipoprotein E2 Transgenic Mice by Inhibiting Sterol Regulatory Element-Binding Protein-1-Dependent Fatty Acid Synthesis. <i>Journal of Nutrition</i> , 2012, 142, 432-440.	1.3	39
70	Binding characteristics of a bacterial expansin (BsEXLX1) for various types of pretreated lignocellulose. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5381-5388.	1.7	39
71	Asian plantain (<i>Plantago asiatica</i>) essential oils suppress 3-hydroxy-3-methyl-glutaryl-co-enzyme A reductase expression <i>in vitro</i> and <i>in vivo</i> and show hypocholesterolaemic properties in mice. <i>British Journal of Nutrition</i> , 2008, 99, 67-75.	1.2	38
72	Linalool is a PPAR α ligand that reduces plasma TG levels and rewires the hepatic transcriptome and plasma metabolome. <i>Journal of Lipid Research</i> , 2014, 55, 1098-1110.	2.0	38

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73	Enzymatic liquefaction of agarose above the sol-gel transition temperature using a thermostable endo-type β -agarase, Aga16B. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1111-1120.	1.7	38
74	Sensory Characteristics and Consumer Acceptability of Decaffeinated Green Teas. <i>Journal of Food Science</i> , 2009, 74, S135-41.	1.5	37
75	Metabolomic Elucidation of the Effects of Curcumin on Fibroblast-Like Synoviocytes in Rheumatoid Arthritis. <i>PLoS ONE</i> , 2015, 10, e0145539.	1.1	37
76	Fed-Batch Enzymatic Saccharification of High Solids Pretreated Lignocellulose for Obtaining High Titters and High Yields of Glucose. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1108-1120.	1.4	37
77	Cloning and expression of sucrose phosphorylase gene from <i>Bifidobacterium longum</i> in <i>E. coli</i> and characterization of the recombinant enzyme. <i>Biotechnology Letters</i> , 2003, 25, 1211-1217.	1.1	36
78	Effect of Supercritical Carbon Dioxide Decaffeination on Volatile Components of Green Teas. <i>Journal of Food Science</i> , 2007, 72, S497-S502.	1.5	36
79	Peptides from Anchovy Sauce Induce Apoptosis in a Human Lymphoma Cell (U937) through the Increase of Caspase-3 and -8 Activities. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 399-404.	1.8	35
80	3,6-Anhydro-l-galactose, a rare sugar from agar, a new anticariogenic sugar to replace xylitol. <i>Food Chemistry</i> , 2017, 221, 976-983.	4.2	35
81	Largely enhanced bioethanol production through the combined use of lignin-modified sugarcane and xylose fermenting yeast strain. <i>Bioresource Technology</i> , 2018, 256, 312-320.	4.8	35
82	Biosynthesis of a Functional Human Milk Oligosaccharide, 2-Fucosyllactose, and α -Fucose Using Engineered <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2529-2536.	1.9	35
83	Cellulase recycling in high-solids enzymatic hydrolysis of pretreated empty fruit bunches. <i>Biotechnology for Biofuels</i> , 2019, 12, 138.	6.2	35
84	Genome Sequence of <i>Vibrio</i> sp. Strain EJY3, an Agarolytic Marine Bacterium Metabolizing 3,6-Anhydro-L-Galactose as a Sole Carbon Source. <i>Journal of Bacteriology</i> , 2012, 194, 2773-2774.	1.0	34
85	Modulation of gene expressions and enzyme activities of methionine sulfoxide reductases by cold, ABA or high salt treatments in <i>Arabidopsis</i> . <i>Plant Science</i> , 2005, 169, 1030-1036.	1.7	33
86	Global metabolic profiling of plant cell wall polysaccharide degradation by <i>Saccharophagus degradans</i> . <i>Biotechnology and Bioengineering</i> , 2010, 105, 477-488.	1.7	32
87	Aqueous ammonia pretreatment, saccharification, and fermentation evaluation of oil palm fronds for ethanol production. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1497-1503.	1.7	32
88	Addition of ethanol to supercritical carbon dioxide enhances the inactivation of bacterial spores in the biofilm of <i>Bacillus cereus</i> . <i>International Journal of Food Microbiology</i> , 2013, 166, 207-212.	2.1	32
89	Synergism of an auxiliary activity 9 (AA9) from <i>Chaetomium globosum</i> with xylanase on the hydrolysis of xylan and lignocellulose. <i>Process Biochemistry</i> , 2016, 51, 1445-1451.	1.8	32
90	Characterization of potent aroma compounds in <i>Chrysanthemum coronarium</i> L. (Garland) using aroma extract dilution analysis. <i>Flavour and Fragrance Journal</i> , 2004, 19, 401-405.	1.2	31

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91	Effects of minimal media vs. complex media on the metabolite profiles of <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> . <i>Process Biochemistry</i> , 2017, 57, 64-71.	1.8	31
92	Continuous Countercurrent Extraction of Hemicellulose from Pretreated Wood Residues. <i>Applied Biochemistry and Biotechnology</i> , 2001, 91-93, 253-268.	1.4	30
93	Extraction behaviors of caffeine and chlorophylls in supercritical decaffeination of green tea leaves. <i>LWT - Food Science and Technology</i> , 2012, 45, 73-78.	2.5	30
94	Metabolic engineering of <i>Corynebacterium glutamicum</i> to produce GDP-l-fucose from glucose and mannose. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 749-756.	1.7	30
95	Engineering <i>Escherichia coli</i> for the production of adipic acid through the reversed β^2 -oxidation pathway. <i>Process Biochemistry</i> , 2015, 50, 2066-2071.	1.8	30
96	Type-dependent action modes of TtAA9E and TaAA9A acting on cellulose and differently pretreated lignocellulosic substrates. <i>Biotechnology for Biofuels</i> , 2017, 10, 46.	6.2	30
97	Evolutionary engineering of <i>Saccharomyces cerevisiae</i> for efficient conversion of red algal biosugars to bioethanol. <i>Bioresource Technology</i> , 2015, 191, 445-451.	4.8	29
98	Enhanced β^2 -Fucosyllactose production by engineered <i>Saccharomyces cerevisiae</i> using xylose as a co-substrate. <i>Metabolic Engineering</i> , 2020, 62, 322-329.	3.6	29
99	Transglucosylation of caffeic acid by a recombinant sucrose phosphorylase in aqueous buffer and aqueous-supercritical CO ₂ media. <i>Food Chemistry</i> , 2009, 115, 1028-1033.	4.2	28
100	Saccharification of agar using hydrothermal pretreatment and enzymes supplemented with agarolytic β^2 -galactosidase. <i>Process Biochemistry</i> , 2015, 50, 1629-1633.	1.8	28
101	Fatty acid profiling and proteomic analysis of <i>Salmonella enterica</i> serotype Typhimurium inactivated with supercritical carbon dioxide. <i>International Journal of Food Microbiology</i> , 2009, 134, 190-195.	2.1	27
102	Enhanced drought tolerance in <i>Arabidopsis</i> via genetic manipulation aimed at the reduction of glucosamine-induced ROS generation. <i>Plant Molecular Biology</i> , 2010, 74, 493-502.	2.0	27
103	Whole slurry fermentation of maleic acid-pretreated oil palm empty fruit bunches for ethanol production not necessitating a detoxification process. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 659-665.	1.7	27
104	Systematic biomarker discovery and coordinative validation for different primary nephrotic syndromes using gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1453, 105-115.	1.8	27
105	Distinctive metabolomic responses of <i>Chlamydomonas reinhardtii</i> to the chemical elicitation by methyl jasmonate and salicylic acid. <i>Process Biochemistry</i> , 2016, 51, 1147-1154.	1.8	27
106	Production of high-value β^2 -1,3-glucooligosaccharides by microwave-assisted hydrothermal hydrolysis of curdlan. <i>Process Biochemistry</i> , 2017, 52, 233-237.	1.8	27
107	Flow cytometric analysis of <i>Salmonella enterica</i> serotype Typhimurium inactivated with supercritical carbon dioxide. <i>Journal of Microbiological Methods</i> , 2009, 78, 155-160.	0.7	26
108	Global metabolite profiling of agarose degradation by <i>Saccharophagus degradans</i> 2-40. <i>New Biotechnology</i> , 2010, 27, 156-168.	2.4	26

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109	Characteristics of the binding of a bacterial expansin (<i>ExlX1</i>) to microcrystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2013, 110, 401-407.	1.7	26
110	Optimization of sono-assisted dilute sulfuric acid process for simultaneous pretreatment and saccharification of rice straw. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 543-550.	1.8	26
111	One-pot pretreatment, saccharification and ethanol fermentation of lignocellulose based on acid-base mixture pretreatment. <i>RSC Advances</i> , 2014, 4, 55318-55327.	1.7	26
112	Elucidation of ethanol tolerance mechanisms in <i>Saccharomyces cerevisiae</i> by global metabolite profiling. <i>Biotechnology Journal</i> , 2016, 11, 1221-1229.	1.8	26
113	Urinary profiling of tryptophan and its related metabolites in patients with metabolic syndrome by liquid chromatography-electrospray ionization/mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5501-5512.	1.9	26
114	Metabolomic Analysis Identifies Alterations of Amino Acid Metabolome Signatures in the Postmortem Brain of Alzheimer's Disease. <i>Experimental Neurobiology</i> , 2019, 28, 376-389.	0.7	26
115	Pretreatment and enzymatic saccharification of oak at high solids loadings to obtain high titers and high yields of sugars. <i>Bioresource Technology</i> , 2019, 284, 391-397.	4.8	26
116	Effects of overexpression of acetaldehyde dehydrogenase 6 and acetyl-CoA synthetase 1 on xylitol production in recombinant <i>Saccharomyces cerevisiae</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 15-19.	1.5	25
117	Intracellular metabolite profiling of <i>Saccharomyces cerevisiae</i> evolved under furfural. <i>Microbial Biotechnology</i> , 2017, 10, 395-404.	2.0	25
118	Caloric Restriction and Rapamycin Differentially Alter Energy Metabolism in Yeast. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 29-38.	1.7	25
119	Comparative global metabolite profiling of xylose-fermenting <i>Saccharomyces cerevisiae</i> SR8 and <i>Scheffersomyces stipitis</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5435-5446.	1.7	25
120	Evaluation of commercial cellulase preparations for the efficient hydrolysis of hydrothermally pretreated empty fruit bunches. <i>BioResources</i> , 2017, 12, 7834-7840.	0.5	25
121	Genome Sequence of the Abyssomicin- and Proximicin-Producing Marine Actinomycete <i>Verrucosispora maris</i> AB-18-032. <i>Journal of Bacteriology</i> , 2011, 193, 3391-3392.	1.0	24
122	Global profiling of ultraviolet-induced metabolic disruption in <i>Melissa officinalis</i> by using gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 553-562.	1.9	24
123	Customized optimization of cellulase mixtures for differently pretreated rice straw. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 929-937.	1.7	24
124	Effective production of fermentable sugars from brown macroalgae biomass. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9439-9450.	1.7	24
125	Comparative assessment of Graves' disease and main extrathyroidal manifestation, Graves' ophthalmopathy, by non-targeted metabolite profiling of blood and orbital tissue. <i>Scientific Reports</i> , 2018, 8, 9262.	1.6	24
126	Redirection of the Glycolytic Flux Enhances Isoprenoid Production in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Journal</i> , 2020, 15, e1900173.	1.8	24

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127	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
128	Extraction and fractionation of glucosyltransferase inhibitors from cacao bean husk. Process Biochemistry, 2004, 39, 2043-2046.	1.8	23
129	Molecular Characterization of a Novel Bacterial Aryl Acylamidase Belonging to the Amidase Signature Enzyme Family. Molecules and Cells, 2010, 29, 485-492.	1.0	23
130	Simultaneous Enhancement of Free Isoflavone Content and Antioxidant Potential of Soybean by Fermentation with <i>Aspergillus oryzae</i> . Journal of Food Science, 2011, 76, H194-200.	1.5	23
131	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
132	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
133	A Novel Glycoside Hydrolase Family 5 β -1,3-1,6-Endoglucanase from <i>Saccharophagus degradans</i> 2-40 and Its Transglycosylase Activity. Applied and Environmental Microbiology, 2016, 82, 4340-4349.	1.4	23
134	Aroma-active compounds of <i>Pinus densata</i> (red pine) needles. Flavour and Fragrance Journal, 2004, 19, 532-537.	1.2	22
135	Analysis and characterization of aroma-active compounds of <i>Schizandra chinensis</i> (omija) leaves. Journal of the Science of Food and Agriculture, 2005, 85, 161-166.	1.7	22
136	Two-stage dilute acid-catalyzed hydrolytic conversion of softwood sawdust into sugars fermentable by ethanologenic microorganisms. Journal of the Science of Food and Agriculture, 2005, 85, 2461-2467.	1.7	22
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