

Akihiko Kondo

List of Publications by Citations

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244
papers

7,119
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256
ext. papers

8,602
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
244	Targeted nucleotide editing using hybrid prokaryotic and vertebrate adaptive immune systems. <i>Science</i> , 2016 , 353,	10	694
243	Perspectives on engineering strategies for improving biofuel production from microalgae--a critical review. <i>Biotechnology Advances</i> , 2014 , 32, 1448-59	5	220
242	Metabolic pathway engineering based on metabolomics confers acetic and formic acid tolerance to a recombinant xylose-fermenting strain of <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2011 , 10, 2	2.1	186
241	Ethanol fermentation from lignocellulosic hydrolysate by a recombinant xylose- and cellooligosaccharide-assimilating yeast strain. <i>Applied Microbiology and Biotechnology</i> , 2006 , 72, 1136-43 ^{1.7}	1.7	182
240	Bioprocessing of bio-based chemicals produced from lignocellulosic feedstocks. <i>Current Opinion in Biotechnology</i> , 2016 , 42, 30-39	2.7	153
239	Recent insights into biohydrogen production by microalgae - From biophotolysis to dark fermentation. <i>Bioresource Technology</i> , 2016 , 227, 373-373	4.8	151
238	Genetic engineering to enhance the Ehrlich pathway and alter carbon flux for increased isobutanol production from glucose by <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2012 , 159, 32-7	1.5	131
237	Dynamic metabolic profiling of cyanobacterial glycogen biosynthesis under conditions of nitrate depletion. <i>Journal of Experimental Botany</i> , 2013 , 64, 2943-54	1.9	105
236	PCR-mediated seamless gene deletion and marker recycling in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2006 , 23, 399-405	0.8	101
235	Dynamic metabolic profiling together with transcription analysis reveals salinity-induced starch-to-lipid biosynthesis in alga <i>Chlamydomonas</i> sp. JSC4. <i>Scientific Reports</i> , 2017 , 7, 45471	1.5	90
234	Optimizing biodiesel production in marine <i>Chlamydomonas</i> sp. JSC4 through metabolic profiling and an innovative salinity-gradient strategy. <i>Biotechnology for Biofuels</i> , 2014 , 7, 97	2.5	89
233	Display of cellulases on the cell surface of <i>Saccharomyces cerevisiae</i> for high yield ethanol production from high-solid lignocellulosic biomass. <i>Bioresource Technology</i> , 2012 , 108, 128-33	4.8	88
232	Direct conversion of <i>Spirulina</i> to ethanol without pretreatment or enzymatic hydrolysis processes. <i>Energy and Environmental Science</i> , 2013 , 6, 1844	10.7	85
231	Widely targeted metabolic profiling analysis of yeast central metabolites. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 665-73	1	81
230	A simple and immediate method for simultaneously evaluating expression level and plasmid maintenance in yeast. <i>Journal of Biochemistry</i> , 2009 , 145, 701-8	0.8	81
229	Current advances on fermentative biobutanol production using third generation feedstock. <i>Biotechnology Advances</i> , 2017 , 35, 1049-1059	5	80
228	Metabolic design of a platform <i>Escherichia coli</i> strain producing various chorismate derivatives. <i>Metabolic Engineering</i> , 2016 , 33, 119-129	2.9	76

227	Microbial conversion of biomass into bio-based polymers. <i>Bioresource Technology</i> , 2017 , 245, 1664-1673	4.8	76
226	Direct production of L-lysine from raw corn starch by <i>Corynebacterium glutamicum</i> secreting <i>Streptococcus bovis</i> alpha-amylase using <i>cspB</i> promoter and signal sequence. <i>Applied Microbiology and Biotechnology</i> , 2007 , 77, 533-41	1.7	76
225	Efficient yeast cell-surface display of exo- and endo-cellulase using the SED1 anchoring region and its original promoter. <i>Biotechnology for Biofuels</i> , 2014 , 7, 8	2.5	73
224	Repeated-batch fermentation of lignocellulosic hydrolysate to ethanol using a hybrid <i>Saccharomyces cerevisiae</i> strain metabolically engineered for tolerance to acetic and formic acids. <i>Bioresource Technology</i> , 2011 , 102, 7917-24	4.8	73
223	Development of lipid productivities under different CO ₂ conditions of marine microalgae <i>Chlamydomonas</i> sp. JSC4. <i>Bioresource Technology</i> , 2014 , 152, 247-52	4.8	69
222	Recent Advances in Microbial Production of Aromatic Chemicals and Derivatives. <i>Trends in Biotechnology</i> , 2017 , 35, 785-796	4.2	66
221	Base editors for simultaneous introduction of C-to-T and A-to-G mutations. <i>Nature Biotechnology</i> , 2020 , 38, 865-869	10.2	63
220	Glycogen production for biofuels by the euryhaline cyanobacteria <i>Synechococcus</i> sp. strain PCC 7002 from an oceanic environment. <i>Biotechnology for Biofuels</i> , 2014 , 7, 88	2.5	60
219	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	4.8	59
218	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. <i>Green Chemistry</i> , 2011 , 13, 2948	3.4	58
217	Engineering cell factories for producing building block chemicals for bio-polymer synthesis. <i>Microbial Cell Factories</i> , 2016 , 15, 19	2.1	58
216	Electrical-biological hybrid system for CO reduction. <i>Metabolic Engineering</i> , 2018 , 47, 211-218	2.9	56
215	Co-expression of TAL1 and ADH1 in recombinant xylose-fermenting <i>Saccharomyces cerevisiae</i> improves ethanol production from lignocellulosic hydrolysates in the presence of furfural. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 165-169	1	55
214	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	1	55
213	Beyond Native Cas9: Manipulating Genomic Information and Function. <i>Trends in Biotechnology</i> , 2017 , 35, 983-996	4.2	54
212	Dynamic metabolic profiling of the marine microalga <i>Chlamydomonas</i> sp. JSC4 and enhancing its oil production by optimizing light intensity. <i>Biotechnology for Biofuels</i> , 2015 , 8, 48	2.5	51
211	Genetic manipulation of a metabolic enzyme and a transcriptional regulator increasing succinate excretion from unicellular cyanobacterium. <i>Frontiers in Microbiology</i> , 2015 , 6, 1064	1.5	51
210	Recent advances in yeast cell-surface display technologies for waste biorefineries. <i>Bioresource Technology</i> , 2016 , 215, 324-333	4.8	51

209	Enhanced D-lactic acid production from renewable resources using engineered <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 279-88	1.7	50
208	Disruption of <i>pknG</i> enhances production of gamma-aminobutyric acid by <i>Corynebacterium glutamicum</i> expressing glutamate decarboxylase. <i>AMB Express</i> , 2014 , 4, 20	1.2	50
207	ATP regulation in bioproduction. <i>Microbial Cell Factories</i> , 2015 , 14, 198	2.1	50
206	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	1	48
205	Cell surface engineering of industrial microorganisms for biorefining applications. <i>Biotechnology Advances</i> , 2015 , 33, 1403-11	5	46
204	Development of microbial cell factories for bio-refinery through synthetic bioengineering. <i>Journal of Biotechnology</i> , 2013 , 163, 204-16	1.5	46
203	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	2.5	45
202	Future insights in fungal metabolic engineering. <i>Bioresource Technology</i> , 2017 , 245, 1314-1326	4.8	43
201	Combined cell-surface display- and secretion-based strategies for production of cellulosic ethanol with <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2015 , 8, 162	2.5	43
200	Production of protocatechuic acid by <i>Corynebacterium glutamicum</i> expressing chorismate-pyruvate lyase from <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 135-45	1.7	42
199	Feasibility of CO mitigation and carbohydrate production by microalga CNW-N used for bioethanol fermentation under outdoor conditions: effects of seasonal changes. <i>Biotechnology for Biofuels</i> , 2017 , 10, 27	2.5	42
198	Expression of varied GFPs in <i>Saccharomyces cerevisiae</i> : codon optimization yields stronger than expected expression and fluorescence intensity. <i>Scientific Reports</i> , 2016 , 6, 35932	1.5	42
197	Lipase cocktail for efficient conversion of oils containing phospholipids to biodiesel. <i>Bioresource Technology</i> , 2016 , 211, 224-30	4.8	41
196	Cell surface engineering of <i>Saccharomyces cerevisiae</i> combined with membrane separation technology for xylitol production from rice straw hydrolysate. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3477-87	1.7	40
195	Development of a comprehensive set of tools for genome engineering in a cold- and thermo-tolerant <i>Kluyveromyces marxianus</i> yeast strain. <i>Scientific Reports</i> , 2017 , 7, 8993	1.5	38
194	Temperature enhanced succinate production concurrent with increased central metabolism turnover in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Metabolic Engineering</i> , 2018 , 48, 109-120	2.9	38
193	Evolutionary engineering of salt-resistant <i>Chlamydomonas</i> sp. strains reveals salinity stress-activated starch-to-lipid biosynthesis switching. <i>Bioresource Technology</i> , 2017 , 245, 1484-1490	4.8	37
192	Improved ethanol production from xylose in the presence of acetic acid by the overexpression of the HAA1 gene in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015 , 119, 297-302	1	37

191	Improved sugar-free succinate production by sp. PCC 6803 following identification of the limiting steps in glycogen catabolism. <i>Metabolic Engineering Communications</i> , 2016 , 3, 130-141	2.1	37
190	Complete Genome Sequence of <i>Kluyveromyces marxianus</i> NBRC1777, a Nonconventional Thermotolerant Yeast. <i>Genome Announcements</i> , 2015 , 3,		36
189	<i>Aspergillus oryzae</i> -based cell factory for direct kojic acid production from cellulose. <i>Microbial Cell Factories</i> , 2014 , 13, 71	2.1	36
188	Enhanced cell-surface display and secretory production of cellulolytic enzymes with <i>Saccharomyces cerevisiae</i> Sed1 signal peptide. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 2358-66	1.3	36
187	Engineering metabolic pathways in <i>Escherichia coli</i> for constructing a "microbial chassis" for biochemical production. <i>Bioresource Technology</i> , 2017 , 245, 1362-1368	4.8	35
186	Engineering of a novel cellulose-adherent cellulolytic <i>Saccharomyces cerevisiae</i> for cellulosic biofuel production. <i>Scientific Reports</i> , 2016 , 6, 24550	1.5	34
185	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 182, 229-237	1.1	34
184	Eliminating the isoleucine biosynthetic pathway to reduce competitive carbon outflow during isobutanol production by <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2015 , 14, 62	2.1	34
183	Expression of Cyanobacterial Acyl-ACP Reductase Elevates the Triacylglycerol Level in the Red Alga <i>Cyanidioschyzon merolae</i> . <i>Plant and Cell Physiology</i> , 2015 , 56, 1962-80	1.2	33
182	Characterization of cellulose nanofiber sheets from different refining processes. <i>Cellulose</i> , 2016 , 23, 403-414	2.1	33
181	Optimization of cellulolytic enzyme components through engineering and on-site fermentation using the soluble inducer for cellulosic ethanol production from corn stover. <i>Biotechnology for Biofuels</i> , 2018 , 11, 49	2.5	33
180	Development of bio-based fine chemical production through synthetic bioengineering. <i>Microbial Cell Factories</i> , 2014 , 13, 173	2.1	33
179	d-lactic acid production from renewable lignocellulosic biomass via genetically modified <i>Lactobacillus plantarum</i> . <i>Biotechnology Progress</i> , 2016 , 32, 271-8	1	33
178	Improvement of ethanol production from crystalline cellulose via optimizing cellulase ratios in cellulolytic <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2017 , 114, 1201-1207	1.3	32
177	Rational design and evolutionary fine tuning of <i>Saccharomyces cerevisiae</i> for biomass breakdown. <i>Current Opinion in Chemical Biology</i> , 2015 , 29, 1-9	2.4	32
176	Overexpression of <i>flv3</i> improves photosynthesis in the cyanobacterium <i>Synechocystis</i> sp. PCC6803 by enhancement of alternative electron flow. <i>Biotechnology for Biofuels</i> , 2014 , 7, 493	2.5	32
175	Enhancing lutein production with mixotrophic cultivation of <i>Chlorella sorokiniana</i> MB-1-M12 using different bioprocess operation strategies. <i>Bioresource Technology</i> , 2019 , 278, 17-25	4.8	32
174	A display of pH-sensitive fusogenic GALA peptide facilitates endosomal escape from a Bio-nanocapsule via an endocytic uptake pathway. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 11	3.2	31

173	Improvement of glutathione production by metabolic engineering the sulfate assimilation pathway of <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 1313-9	1.7	31
172	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	2.1	29
171	L-lactic acid production from starch by simultaneous saccharification and fermentation in a genetically engineered <i>Aspergillus oryzae</i> pure culture. <i>Bioresource Technology</i> , 2014 , 173, 376-383	4.8	29
170	Efficient direct ethanol production from cellulose by cellulase- and cellodextrin transporter-co-expressing <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , 2013 , 3, 34	1.2	29
169	Gene expression cross-profiling in genetically modified industrial <i>Saccharomyces cerevisiae</i> strains during high-temperature ethanol production from xylose. <i>Journal of Biotechnology</i> , 2013 , 163, 50-60	1.5	29
168	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	3.1	28
167	Improving polyglucan production in cyanobacteria and microalgae via cultivation design and metabolic engineering. <i>Biotechnology Journal</i> , 2015 , 10, 886-98	1.6	28
166	GH-10 and GH-11 Endo-1,4- β -xyylanase enzymes from <i>Kitasatospora</i> sp. produce xylose and xylooligosaccharides from sugarcane bagasse with no xylose inhibition. <i>Bioresource Technology</i> , 2019 , 272, 315-325	4.8	28
165	Disruption of PHO13 improves ethanol production via the xylose isomerase pathway. <i>AMB Express</i> , 2016 , 6, 4	1.2	27
164	Overexpressing enzymes of the Ehrlich pathway and deleting genes of the competing pathway in <i>Saccharomyces cerevisiae</i> for increasing 2-phenylethanol production from glucose. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 34-9	1	27
163	Direct cadaverine production from cellobiose using β -glucosidase displaying <i>Escherichia coli</i> . <i>AMB Express</i> , 2013 , 3, 67	1.2	27
162	Mechanical milling and membrane separation for increased ethanol production during simultaneous saccharification and co-fermentation of rice straw by xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2015 , 185, 263-8	4.8	26
161	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	4.8	26
160	Particle size for photocatalytic activity of anatase TiO ₂ nanosheets with highly exposed {001} facets. <i>RSC Advances</i> , 2013 , 3, 19268	1.3	26
159	Rre37 stimulates accumulation of 2-oxoglutarate and glycogen under nitrogen starvation in <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Letters</i> , 2014 , 588, 466-71	1.1	26
158	Improved ethanol production at high temperature by consolidated bioprocessing using <i>Saccharomyces cerevisiae</i> strain engineered with artificial zinc finger protein. <i>Bioresource Technology</i> , 2017 , 245, 1447-1454	4.8	25
157	M-path: a compass for navigating potential metabolic pathways. <i>Bioinformatics</i> , 2015 , 31, 905-11	1.7	25
156	Development of a multi-gene expression system in <i>Xanthophyllomyces dendrorhous</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 175	2.1	25

155	Phenyllactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. <i>Bioresource Technology</i> , 2015 , 182, 169-178	4.8	24
154	Direct production of organic acids from starch by cell surface-engineered <i>Corynebacterium glutamicum</i> in anaerobic conditions. <i>AMB Express</i> , 2013 , 3, 72	1.2	24
153	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2015 , 198, 410-7	4.8	23
152	Electrochemical biotechnologies minimizing the required electrode assemblies. <i>Current Opinion in Biotechnology</i> , 2018 , 50, 182-188	2.7	23
151	Biofunctional TiO ₂ nanoparticle-mediated photokilling of cancer cells using UV irradiation. <i>MedChemComm</i> , 2010 , 1, 209	4.8	23
150	Inheritance of co-edited genes by CRISPR-based targeted nucleotide substitutions in rice. <i>Plant Physiology and Biochemistry</i> , 2018 , 131, 78-83	2.1	22
149	Identification of a novel hedycaryol synthase gene isolated from <i>Camellia brevistyla</i> flowers and floral scent of <i>Camellia</i> cultivars. <i>Planta</i> , 2016 , 243, 959-72	1.3	22
148	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <i>Bioresource Technology</i> , 2017 , 245, 1413-1420	4.8	21
147	Improving the odorant sensitivity of olfactory receptor-expressing yeast with accessory proteins. <i>Analytical Biochemistry</i> , 2015 , 471, 1-8	1	21
146	Characterization of d-amino acid aminotransferase from <i>Lactobacillus salivarius</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013 , 94, 15-22		21
145	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	1.2	21
144	A pilot-scale floating closed culture system for the multicellular cyanobacterium NIES-39. <i>Journal of Applied Phycology</i> , 2015 , 27, 2191-2202	1.2	20
143	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	2.5	20
142	Inverse metabolic engineering based on transient acclimation of yeast improves acid-containing xylose fermentation and tolerance to formic and acetic acids. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1027-38	1.7	20
141	Applications of yeast-based signaling sensor for characterization of antagonist and analysis of site-directed mutants of the human serotonin 1A receptor. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 1906-15	1.3	20
140	Changes in primary metabolism under light and dark conditions in response to overproduction of a response regulator RpaA in the unicellular cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2015 , 6, 888	1.5	19
139	Development of a GIN11/FRT-based multiple-gene integration technique affording inhibitor-tolerant, hemicellulolytic, xylose-utilizing abilities to industrial <i>Saccharomyces cerevisiae</i> strains for ethanol production from undetoxified lignocellulosic hemicelluloses. <i>Microbial Cell Factories</i> , 2014 , 13, 145	2.1	19
138	Improving carbohydrate production of <i>Chlorella sorokiniana</i> NIES-2168 through semi-continuous process coupled with mixotrophic cultivation. <i>Biotechnology Journal</i> , 2016 , 11, 1072-81	1.6	19

137	DNA-duplex linker for AFM-SELEX of DNA aptamer against human serum albumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 954-957	0.8	18
136	Characterization of titanium dioxide nanoparticles modified with polyacrylic acid and HO for use as a novel radiosensitizer. <i>Free Radical Research</i> , 2016 , 50, 1319-1328	0.9	18
135	Green synthesis of Au, Pd and Au@Pd core-shell nanoparticles via a tryptophan induced supramolecular interface. <i>RSC Advances</i> , 2013 , 3, 18367	1.3	18
134	Ethanol fermentation by xylose-assimilating <i>Saccharomyces cerevisiae</i> using sugars in a rice straw liquid hydrolysate concentrated by nanofiltration. <i>Bioresource Technology</i> , 2013 , 147, 84-88	4.8	18
133	Engineering hepatitis B virus core particles for targeting HER2 receptors in vitro and in vivo. <i>Biomaterials</i> , 2017 , 120, 126-138	4.5	17
132	Repeated ethanol production from sweet sorghum juice concentrated by membrane separation. <i>Bioresource Technology</i> , 2015 , 186, 351-355	4.8	17
131	Energy Transfer in Cyanobacteria and Red Algae: Confirmation of Spillover in Intact Megacomplexes of Phycobilisome and Both Photosystems. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3567-71	1.7	17
130	5-Aminolevulinic acid fermentation using engineered <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2019 , 18, 194	2.1	17
129	Increased biomass production and glycogen accumulation in apcE gene deleted <i>Synechocystis</i> sp. PCC 6803. <i>AMB Express</i> , 2014 , 4, 17	1.2	17
128	Efficient and direct glutathione production from raw starch using engineered <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1417-22	1.7	17
127	Disruption of poly (3-hydroxyalkanoate) depolymerase gene and overexpression of three poly (3-hydroxybutyrate) biosynthetic genes improve poly (3-hydroxybutyrate) production from nitrogen rich medium by <i>Rhodobacter sphaeroides</i> . <i>Microbial Cell Factories</i> , 2019 , 18, 40	2.1	16
126	A pyruvate carbon flux tugging strategy for increasing 2,3-butanediol production and reducing ethanol subgeneration in the yeast. <i>Biotechnology for Biofuels</i> , 2018 , 11, 180	2.5	16
125	A novel process for the mixotrophic production of lutein with <i>Chlorella sorokiniana</i> MB-1-M12 using aquaculture wastewater. <i>Bioresource Technology</i> , 2019 , 290, 121786	4.8	16
124	Single-Stage Astaxanthin Production Enhances the Nonmevalonate Pathway and Photosynthetic Central Metabolism in sp. PCC 7002. <i>ACS Synthetic Biology</i> , 2019 , 8, 2701-2709	1.7	16
123	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	1.3	16
122	Cell-surface display of enzymes by the yeast <i>Saccharomyces cerevisiae</i> for synthetic biology. <i>FEMS Yeast Research</i> , 2015 , 15, 1-9	1.1	16
121	Efficient hydrogen production from acetate through isolated <i>Rhodobacter sphaeroides</i> . <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 602-5	1	16
120	Thermoadaptation-directed enzyme evolution in an error-prone thermophile derived from <i>Geobacillus kaustophilus</i> HTA426. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 149-58	1.4	15

119	Ethanol production from N-acetyl-D-glucosamine by Scheffersomyces stipitis strains. <i>AMB Express</i> , 2016 , 6, 83	1.2	15
118	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	2.1	15
117	Production of 1,2,4-butanetriol from xylose by <i>Saccharomyces cerevisiae</i> through Fe metabolic engineering. <i>Metabolic Engineering</i> , 2019 , 56, 17-27	2.9	15
116	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	4.8	15
115	Increase in lactate yield by growing <i>Corynebacterium glutamicum</i> in a bioelectrochemical reactor. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 598-601	1	15
114	Sequence diversity and gene expression analyses of expansin-related proteins in the white-rot basidiomycete, <i>Phanerochaete carnosae</i> . <i>Fungal Genetics and Biology</i> , 2014 , 72, 115-123	1	15
113	Oxidized glutathione fermentation using <i>Saccharomyces cerevisiae</i> engineered for glutathione metabolism. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 7399-404	1.7	15
112	Novel strategy for anchorage position control of GPI-attached proteins in the yeast cell wall using different GPI-anchoring domains. <i>Metabolic Engineering</i> , 2020 , 57, 110-117	2.9	15
111	Improvement of ectoine productivity by using sugar transporter-overexpressing <i>Halomonas elongata</i> . <i>Enzyme and Microbial Technology</i> , 2016 , 89, 63-8	1.3	15
110	Automatic Redirection of Carbon Flux between Glycolysis and Pentose Phosphate Pathway Using an Oxygen-Responsive Metabolic Switch in. <i>ACS Synthetic Biology</i> , 2020 , 9, 814-826	1.7	14
109	Metabolic engineering of the 2-ketobutyrate biosynthetic pathway for 1-propanol production in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 38	2.1	14
108	FudC, a protein primarily responsible for furfural detoxification in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2685-92	1.7	14
107	A thiostrepton resistance gene and its mutants serve as selectable markers in <i>Geobacillus kaustophilus</i> HTA426. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 368-75	0.5	14
106	Microbial fluorescence sensing for human neurotensin receptor type 1 using G β engineered yeast cells. <i>Analytical Biochemistry</i> , 2014 , 446, 37-43	1	14
105	Increased ethanol production from sweet sorghum juice concentrated by a membrane separation process. <i>Bioresource Technology</i> , 2014 , 169, 821-825	4.8	14
104	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	2.5	14
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