Ying-Jin Yuan

List of Publications by Citations

236 papers	5,833 citations	42 h-index	63 g-index
255 ext. papers	7,224 ext. citations	7.7 avg, IF	5.98 L-index

#	Paper	IF	Citations
236	Antioxidant activities of Salvia miltiorrhiza and Panax notoginseng. *Food Chemistry*, **2006**, 99, 767-774	8.5	202
235	Process optimization to convert forage and sweet sorghum bagasse to ethanol based on ammonia fiber expansion (AFEX) pretreatment. *Bioresource Technology*, **2010**, 101, 1285-92	11	197
234	Optimization of enzymatic hydrolysis and ethanol fermentation from AFEX-treated rice straw. *Applied Microbiology and Biotechnology*, **2009**, 84, 667-76	5.7	138
233	Synthetic microbial consortia: from systematic analysis to construction and applications. *Chemical Society Reviews*, **2014**, 43, 6954-81	58.5	128
232	"Perfect" designer chromosome V and behavior of a ring derivative. *Science*, **2017**, 355,	33.3	124
231	Engineered biosynthesis of natural products in heterologous hosts. *Chemical Society Reviews*, **2015**, 44, 5265-90	58.5	119
230	Inhibition of lignin-derived phenolic compounds to cellulase. *Biotechnology for Biofuels*, **2016**, 9, 70	7.8	119
229	Lycopene overproduction in Saccharomyces cerevisiae through combining pathway engineering with host engineering. *Microbial Cell Factories*, **2016**, 15, 113	6.4	113
228	Bug mapping and fitness testing of chemically synthesized chromosome X. *Science*, **2017**, 355,	33.3	112
227	Simultaneous saccharification and fermentation of steam-exploded corn stover at high glucan loading and high temperature. *Biotechnology for Biofuels*, **2014**, 7, 167	7.8	104
226	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. *Science*, **2017**, 355,	33.3	101
225	Engineering the ribosomal DNA in a megabase synthetic chromosome. *Science*, **2017**, 355,	33.3	99
224	Transcriptome shifts in response to furfural and acetic acid in Saccharomyces cerevisiae. *Applied Microbiology and Biotechnology*, **2010**, 86, 1915-24	5.7	93
223	Building a global alliance of biofoundries. *Nature Communications*, **2019**, 10, 2040	17.4	91
222	Manipulation of GES and ERG20 for geraniol overproduction in Saccharomyces cerevisiae. *Metabolic Engineering*, **2017**, 41, 57-66	9.7	84
221	Integrated proteomic and metabolomic analysis of an artificial microbial community for two-step production of vitamin C. *PLoS ONE*, **2011**, 6, e26108	3.7	75
220	Precise control of SCRaMbLE in synthetic haploid and diploid yeast. *Nature Communications*, **2018**, 9, 1933	17.4	74

219	3D organization of synthetic and scrambled chromosomes. *Science*, **2017**, 355,	33.3	73
218	Rapid host strain improvement by in vivo rearrangement of a synthetic yeast chromosome. *Nature Communications*, **2018**, 9, 1932	17.4	64
217	Design, analysis and application of synthetic microbial consortia. *Synthetic and Systems Biotechnology*, **2016**, 1, 109-117	4.2	62
216	High temperature aqueous ammonia pretreatment and post-washing enhance the high solids enzymatic hydrolysis of corn stover. *Bioresource Technology*, **2013**, 146, 504-511	11	60
215	Induction studies of methyl jasmonate and salicylic acid on taxane production in suspension cultures of Taxus chinensis var. mairei. *Biochemical Engineering Journal*, **2004**, 19, 259-265	4.2	60
214	Metabolome profiling reveals adaptive evolution of Saccharomyces cerevisiae during repeated vacuum fermentations. *Metabolomics*, **2010**, 6, 42-55	4.7	59
213	Biosynthesis of Taxadiene in Saccharomyces cerevisiae : selection of geranylgeranyl diphosphate synthase directed by a computer-aided docking strategy. *PLoS ONE*, **2014**, 9, e109348	3.7	58
212	Optimization of a cytochrome P450 oxidation system for enhancing protopanaxadiol production in Saccharomyces cerevisiae. *Biotechnology and Bioengineering*, **2016**, 113, 1787-95	4.9	58
211	In vitro DNA SCRaMbLE. *Nature Communications*, **2018**, 9, 1935	17.4	56
210	A three-species microbial consortium for power generation. *Energy and Environmental Science*, **2017** , 10, 1600-1609	35.4	55
209	Biosynthesis of odd-chain fatty alcohols in Escherichia coli. *Metabolic Engineering*, **2015**, 29, 113-123	9.7	55
208	Astaxanthin overproduction in yeast by strain engineering and new gene target uncovering. *Biotechnology for Biofuels*, **2018**, 11, 230	7.8	54
207	Comparative metabolomic analysis on industrial continuous and batch ethanol fermentation processes by GC-TOF-MS. *Metabolomics*, **2009**, 5, 229-238	4.7	52
206	Heterologous biosynthesis and manipulation of alkanes in Escherichia coli. *Metabolic Engineering*, **2016**, 38, 19-28	9.7	51
205	Heterozygous diploid and interspecies SCRaMbLEing. *Nature Communications*, **2018**, 9, 1934	17.4	50
204	Convergent engineering of syntrophic Escherichia coli coculture for efficient production of glycosides. *Metabolic Engineering*, **2018**, 47, 243-253	9.7	49
203	Physical and Chemical Characterizations of Corn Stover from Leading Pretreatment Methods and Effects on Enzymatic Hydrolysis. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 140-146	8.3	49
202	Orthogonal Engineering of Biosynthetic Pathway for Efficient Production of Limonene in Saccharomyces cerevisiae. *ACS Synthetic Biology*, **2019**, 8, 968-975	5.7	47

201	Comparative metabolic profiling of parental and inhibitors-tolerant yeasts during lignocellulosic ethanol fermentation. *Metabolomics*, **2012**, 8, 232-243	4.7	46
200	A continuous-effect membrane distillation process based on hollow fiber AGMD module with internal latent-heat recovery. *AICHE Journal*, **2013**, 59, 1278-1297	3.6	45
199	Simultaneous saccharification and co-fermentation of dry diluted acid pretreated corn stover at high dry matter loading: Overcoming the inhibitors by non-tolerant yeast. *Bioresource Technology*, **2015**, 198, 39-46	11	44
198	Ethylenediamine pretreatment changes cellulose allomorph and lignin structure of lignocellulose at ambient pressure. *Biotechnology for Biofuels*, **2015**, 8, 174	7.8	44
197	An environment-sensitive synthetic microbial ecosystem. *PLoS ONE*, **2010**, 5, e10619	3.7	44
196	Salicylic acid-induced taxol production and isopentenyl pyrophosphate biosynthesis in suspension cultures of Taxus chinensis var. mairei. *Cell Biology International*, **2007**, 31, 1179-83	4.5	44
195	Gene repression via multiplex gRNA strategy in Y. lipolytica. *Microbial Cell Factories*, **2018**, 17, 62	6.4	42
194	Simultaneous saccharification and co-fermentation of aqueous ammonia pretreated corn stover with an engineered Saccharomyces cerevisiae SyBE005. *Bioresource Technology*, **2014**, 169, 9-18	11	42
193	Simultaneous removal of ciprofloxacin, norfloxacin, sulfamethoxazole by co-producing oxidative enzymes system of Phanerochaete chrysosporium and Pycnoporus sanguineus. *Chemosphere*, **2018**, 195, 146-155	8.4	41
192	Reorganization of a synthetic microbial consortium for one-step vitamin C fermentation. *Microbial Cell Factories*, **2016**, 15, 21	6.4	40
191	Regulation of extracellular oxidoreduction potential enhanced (R,R)-2,3-butanediol production by Paenibacillus polymyxa CJX518. *Bioresource Technology*, **2014**, 167, 433-40	11	36
190	Increasing proline and myo-inositol improves tolerance of Saccharomyces cerevisiae to the mixture of multiple lignocellulose-derived inhibitors. *Biotechnology for Biofuels*, **2015**, 8, 142	7.8	36
189	Metabolomic profiling elucidates community dynamics of the Ketogulonicigenium vulgare**B**acillus megaterium consortium. *Metabolomics*, **2012**, 8, 960-973	4.7	36
188	Production of naringenin from D-xylose with co-culture of and. *Engineering in Life Sciences*, **2017**, 17, 1021-1029	3.4	34
187	Exogenous cofactors for the improvement of bioremoval and biotransformation of sulfamethoxazole by Alcaligenes faecalis. *Science of the Total Environment*, **2016**, 565, 547-556	10.2	33
186	Biofuels in China: past, present and future. *Biofuels, Bioproducts and Biorefining*, **2010**, 4, 326-342	5.3	33
185	Improving the bioremoval of sulfamethoxazole and alleviating cytotoxicity of its biotransformation by laccase producing system under coculture of Pycnoporus sanguineus and Alcaligenes faecalis. *Bioresource Technology*, **2016**, 220, 333-340	11	33
184	Genome-wide landscape of position effects on heterogeneous gene expression in. *Biotechnology for Biofuels*, **2017**, 10, 189	7.8	32

183	Enhancing Saccharomyces cerevisiae reactive oxygen species and ethanol stress tolerance for high-level production of protopanoxadiol. *Bioresource Technology*, **2017**, 227, 308-316	11	31
182	Metabolome analysis reveals ethanolamine as potential marker for improving lipid accumulation of model photosynthetic organisms. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 1409-1418	3.5	31
181	Lipidomic analysis reveals differential defense responses of Taxus cuspidata cells to two elicitors, methyl jasmonate and cerium (Ce4+). *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2008**, 1781, 123-34	5	31
180	Proteomic analysis of Ketogulonicigenium vulgare under glutathione reveals high demand for thiamin transport and antioxidant protection. *PLoS ONE*, **2012**, 7, e32156	3.7	31
179	Process analysis and optimization of simultaneous saccharification and co-fermentation of ethylenediamine-pretreated corn stover for ethanol production. *Biotechnology for Biofuels*, **2018**, 11, 118	7.8	30
178	RADOM, an efficient in vivo method for assembling designed DNA fragments up to 10 kb long in Saccharomyces cerevisiae. *ACS Synthetic Biology*, **2015**, 4, 213-20	5.7	30
177	The biodegradation of cefuroxime, cefotaxime and cefpirome by the synthetic consortium with probiotic Bacillus clausii and investigation of their potential biodegradation pathways. *Science of the Total Environment*, **2019**, 651, 271-280	10.2	30
176	Synthetic Saccharomyces cerevisiae-Shewanella oneidensis consortium enables glucose-fed high-performance microbial fuel cell. *AICHE Journal*, **2017**, 63, 1830-1838	3.6	29
175	Engineering of β-carotene hydroxylase and ketolase for astaxanthin overproduction in Saccharomyces cerevisiae. *Frontiers of Chemical Science and Engineering*, **2017**, 11, 89-99	4.5	29
174	Proteomic research reveals the stress response and detoxification of yeast to combined inhibitors. *PLoS ONE*, **2012**, 7, e43474	3.7	29
173	Optimization of CDT-1 and XYL1 expression for balanced co-production of ethanol and xylitol from cellobiose and xylose by engineered Saccharomyces cerevisiae. *PLoS ONE*, **2013**, 8, e68317	3.7	29
172	Bio-removal of tetracycline antibiotics under the consortium with probiotics Bacillus clausii T and Bacillus amyloliquefaciens producing biosurfactants. *Science of the Total Environment*, **2020**, 710, 136329	10.2	29
171	Heterologous biosynthesis and manipulation of crocetin in Saccharomyces cerevisiae. *Microbial Cell Factories*, **2017**, 16, 54	6.4	28
170	Heterologous xylose isomerase pathway and evolutionary engineering improve xylose utilization in Saccharomyces cerevisiae. *Frontiers in Microbiology*, **2015**, 6, 1165	5.7	27
169	Integration of wavelet transform with PCA and ANN for metabolomics data-mining. *Metabolomics*, **2007**, 3, 531-537	4.7	27
168	Engineering Yarrowia lipolytica for Campesterol Overproduction. *PLoS ONE*, **2016**, 11, e0146773	3.7	27
167	Ring synthetic chromosome V SCRaMbLE. *Nature Communications*, **2018**, 9, 3783	17.4	26
166	Facet Energy and Reactivity versus Cytotoxicity: The Surprising Behavior of CdS Nanorods. *Nano Letters*, **2016**, 16, 688-94	11.5	25

165	Quantitative proteomic profiling reveals photosynthesis responsible for inoculum size dependent variation in Chlorella sorokiniana. *Biotechnology and Bioengineering*, **2013**, 110, 773-84	4.9	25
164	Comparative lipidomic profiling of xylose-metabolizing S. cerevisiae and its parental strain in different media reveals correlations between membrane lipids and fermentation capacity. *Biotechnology and Bioengineering*, **2011**, 108, 12-21	4.9	25
163	In situ detoxification of dry dilute acid pretreated corn stover by co-culture of xylose-utilizing and inhibitor-tolerant Saccharomyces cerevisiae increases ethanol production. *Bioresource Technology*, **2016**, 218, 380-7	11	25
162	Transcriptome analysis reveals novel enzymes for apo-carotenoid biosynthesis in saffron and allows construction of a pathway for crocetin synthesis in yeast. *Journal of Experimental Botany*, **2019**, 70, 4819-4834	7	24
161	Comparative proteome analysis of robust Saccharomyces cerevisiae insights into industrial continuous and batch fermentation. *Applied Microbiology and Biotechnology*, **2008**, 81, 327-38	5.7	24
160	Effects of organic solvents on membrane ofTaxus cuspidata cells in. *Plant Cell, Tissue and Organ Culture*, **2004**, 79, 63-69	2.7	24
159	Design and construction of synthetic microbial consortia in China. *Synthetic and Systems Biotechnology*, **2016**, 1, 230-235	4.2	24
158	Optimization of ethylenediamine pretreatment and enzymatic hydrolysis to produce fermentable sugars from corn stover. *Industrial Crops and Products*, **2017**, 102, 51-57	5.9	23
157	Stress-driven dynamic regulation of multiple tolerance genes improves robustness and productive capacity of Saccharomyces cerevisiae in industrial lignocellulose fermentation. *Metabolic Engineering*, **2020**, 61, 160-170	9.7	23
156	Nitric oxide mediates inactivation of glutathione S-transferase in suspension culture of Taxus cuspidata during shear stress. *Journal of Biotechnology*, **2006**, 123, 185-92	3.7	23
155	Differentiation of apoptotic and necrotic cells in suspension cultures of Taxus cuspidata by the combined use of fluorescent dying and histochemical staining methods. *Biotechnology Letters*, **2002**, 24, 71-76	3	23
154	Engineering Saccharomyces cerevisiae to produce odd chain-length fatty alcohols. *Biotechnology and Bioengineering*, **2016**, 113, 842-51	4.9	23
153	Simultaneous saccharification and fermentation of sweet potato powder for the production of ethanol under conditions of very high gravity. *Frontiers of Chemical Science and Engineering*, **2011**, 5, 318-324	4.5	22
152	Alkali-Based Pretreatment-Facilitated Lignin Valorization: A Review. *Industrial & Engineering Chemistry Research*, **2020**, 59, 16923-16938	3.9	22
151	SCRaMbLE generates evolved yeasts with increased alkali tolerance. *Microbial Cell Factories*, **2019**, 18, 52	6.4	21
150	Enhanced astaxanthin production in yeast via combined mutagenesis and evolution. *Biochemical Engineering Journal*, **2020**, 156, 107519	4.2	21
149	Proteomic analysis reveals the spatial heterogeneity of immobilized Taxus cuspidata cells in support matrices. *Proteomics*, **2006**, 6, 2199-207	4.8	21
148	Alleviating Redox Imbalance Enhances 7-Dehydrocholesterol Production in Engineered Saccharomyces cerevisiae. *PLoS ONE*, **2015**, 10, e0130840	3.7	21

147	Hydrothermal pretreatment for deconstruction of plant cell wall: Part I. Effect on lignin-carbohydrate complex. *AICHE Journal*, **2018**, 64, 1938-1953	3.6	20
146	Improving co-fermentation of glucose and xylose by adaptive evolution of engineering xylose-fermenting Saccharomyces cerevisiae and different fermentation strategies. *Renewable Energy*, **2019**, 139, 1176-1183	8.1	19
145	Fractionation of corn stover by two-step pretreatment for production of ethanol, furfural, and lignin. *Energy*, **2020**, 195, 117076	7.9	19
144	Insights into mutualism mechanism and versatile metabolism of Ketogulonicigenium vulgare Hbe602 based on comparative genomics and metabolomics studies. *Scientific Reports*, **2016**, 6, 23068	4.9	19
143	Engineering Saccharomyces cerevisiae for geranylgeraniol overproduction by combinatorial design. *Scientific Reports*, **2017**, 7, 14991	4.9	19
142	Proteomic insights into adaptive responses of Saccharomyces cerevisiae to the repeated vacuum fermentation. *Applied Microbiology and Biotechnology*, **2009**, 83, 909-23	5.7	19
141	Temperature profiled simultaneous saccharification and co-fermentation of corn stover increases ethanol production at high solid loading. *Energy Conversion and Management*, **2020**, 205, 112344	10.6	19
140	Improved campesterol production in engineered Yarrowia lipolytica strains. *Biotechnology Letters*, **2017**, 39, 1033-1039	3	18
139	Improving xylose utilization and ethanol production from dry dilute acid pretreated corn stover by two-step and fed-batch fermentation. *Energy*, **2018**, 157, 877-885	7.9	18
138	Evaluation of soluble fraction and enzymatic residual fraction of dilute dry acid, ethylenediamine, and steam explosion pretreated corn stover on the enzymatic hydrolysis of cellulose. *Bioresource Technology*, **2016**, 209, 172-9	11	17
137	Metabolic engineering of for 7-dehydrocholesterol overproduction. *Biotechnology for Biofuels*, **2018**, 11, 192	7.8	17
136	Chassis and key enzymes engineering for monoterpenes production. *Biotechnology Advances*, **2017**, 35, 1022-1031	17.8	17
135	Inoculation-density-dependent responses and pathway shifts in Saccharomyces cerevisiae. *Proteomics*, **2009**, 9, 4704-13	4.8	17
134	Amplification loop cascade for increasing caspase activity induced by docetaxel. *Journal of Cellular Biochemistry*, **2005**, 96, 810-20	4.7	17
133	Metabolomic analysis of cooperative adaptation between co-cultured Bacillus cereus and Ketogulonicigenium vulgare. *PLoS ONE*, **2014**, 9, e94889	3.7	17
132	A novel toxicity mechanism of CdSe nanoparticles to Saccharomyces cerevisiae: enhancement of vacuolar membrane permeabilization (VMP). *Chemico-Biological Interactions*, **2014**, 220, 208-13	5	16
131	Improved Taxol production in suspension cultures of Taxus chinensis var. mairei by in situ extraction combined with precursor feeding and additional carbon source introduction in an airlift loop reactor. *Biotechnology Letters*, **2001**, 23, 1659-1662	3	16
130	Genome Sequence of Bacillus endophyticus and Analysis of Its Companion Mechanism in the Ketogulonigenium vulgare-Bacillus Strain Consortium. *PLoS ONE*, **2015**, 10, e0135104	3.7	16

129	Rapid and Efficient CRISPR/Cas9-Based Mating-Type Switching of. *G3: Genes, Genomes, Genetics*, **2018**, 8, 173-183	3.2	16
128	Design and chemical synthesis of eukaryotic chromosomes. *Chemical Society Reviews*, **2017**, 46, 7191-7207	58.5	15
127	Loss of heterozygosity by SCRaMbLEing. *Science China Life Sciences*, **2019**, 62, 381-393	8.5	15
126	Endogenous lycopene improves ethanol production under acetic acid stress in. *Biotechnology for Biofuels*, **2018**, 11, 107	7.8	15
125	Deletion of D-ribulose-5-phosphate 3-epimerase (RPE1) induces simultaneous utilization of xylose and glucose in xylose-utilizing Saccharomyces cerevisiae. *Biotechnology Letters*, **2015**, 37, 1031-6	3	15
124	High production of triterpenoids in through manipulation of lipid components. *Biotechnology for Biofuels*, **2020**, 13, 133	7.8	15
123	An artificial chromosome for data storage. *National Science Review*, **2021**, 8, nwab028	10.8	15
122	Profiling influences of gene overexpression on heterologous resveratrol production in Saccharomyces cerevisiae. *Frontiers of Chemical Science and Engineering*, **2017**, 11, 117-125	4.5	14
121	High production of fatty alcohols in Yarrowia lipolytica by coordination with glycolysis. *Science China Chemistry*, **2019**, 62, 1007-1016	7.9	14
120	Multilevel Defense System (MDS) Relieves Multiple Stresses for Economically Boosting Ethanol Production of Industrial Saccharomyces cerevisiae. *ACS Energy Letters*, **2020**, 5, 572-582	20.1	14
119	Ethylenediamine pretreatment of corn stover facilitates high gravity fermentation with low enzyme loading. *Bioresource Technology*, **2018**, 267, 227-234	11	14
118	Stepwise pretreatment of aqueous ammonia and ethylenediamine improve enzymatic hydrolysis of corn stover. *Industrial Crops and Products*, **2018**, 124, 201-208	5.9	14
117	Comparative metabolomic study of Penicillium chrysogenum during pilot and industrial penicillin fermentations. *Applied Biochemistry and Biotechnology*, **2012**, 168, 1223-38	3.2	14
116	Phospholipid metabolism in an industry microalga Chlorella sorokiniana: the impact of inoculum sizes. *PLoS ONE*, **2013**, 8, e70827	3.7	14
115	Comparative proteomic analysis of experimental evolution of the Bacillus cereus-Ketogulonicigenium vulgare co-culture. *PLoS ONE*, **2014**, 9, e91789	3.7	14
114	Constructing Yeast Chimeric Pathways To Boost Lipophilic Terpene Synthesis. *ACS Synthetic Biology* , **2019**, 8, 724-733	5.7	14
113	Engineering yeast artificial core promoter with designated base motifs. *Microbial Cell Factories*, **2020**, 19, 38	6.4	13
112	Pregnenolone Overproduction in by Integrative Components Pairing of the Cytochrome P450scc System. *ACS Synthetic Biology*, **2019**, 8, 2666-2678	5.7	13

111	Metabolic analysis reveals the amino acid responses of Streptomyces lydicus to pitching ratios during improving streptolydigin production. *Applied Microbiology and Biotechnology*, **2013**, 97, 5943-54	5.7	13
110	Analysis of phospholipids, sterols, and fatty acids in Taxus chinensis var. mairei cells in response to shear stress. *Biotechnology and Applied Biochemistry*, **2009**, 54, 105-12	2.8	13
109	Functional analysis of type II thioesterase of Streptomyces lydicus AS 4.2501. *Applied Biochemistry and Biotechnology*, **2006**, 135, 145-58	3.2	13
108	Integrated proteomic and metabolomic analysis of a reconstructed three-species microbial consortium for one-step fermentation of 2-keto-L-gulonic acid, the precursor of vitamin C. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 21-31	4.2	13
107	Primary and Secondary Metabolic Effects of a Key Gene Deletion ( )in Metabolically Engineered Terpenoid-Producing. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	12
106	Enhancement of 2-keto-gulonic acid yield by serial subcultivation of co-cultures of Bacillus cereus and Ketogulonicigenium vulgare. *Bioresource Technology*, **2013**, 132, 370-3	11	12
105	Antioxidant responses to oleic acid in two-liquid-phase suspension cultures of Taxus cuspidata. *Applied Biochemistry and Biotechnology*, **2005**, 125, 11-26	3.2	12
104	Comparative genomics analysis of the companion mechanisms of Bacillus thuringiensis Bc601 and Bacillus endophyticus Hbe603 in bacterial consortium. *Scientific Reports*, **2016**, 6, 28794	4.9	12
103	Dual effect of soluble materials in pretreated lignocellulose on simultaneous saccharification and co-fermentation process for the bioethanol production. *Bioresource Technology*, **2017**, 224, 342-348	11	11
102	Complete genome sequencing and antibiotics biosynthesis pathways analysis of Streptomyces lydicus 103. *Scientific Reports*, **2017**, 7, 44786	4.9	11
101	Modularization of genetic elements promotes synthetic metabolic engineering. *Biotechnology Advances*, **2015**, 33, 1412-9	17.8	11
100	Engineering global transcription to tune lipophilic properties in. *Biotechnology for Biofuels*, **2018**, 11, 115	7.8	11
99	Pathway engineering in yeast for synthesizing the complex polyketide bikaverin. *Nature Communications*, **2020**, 11, 6197	17.4	11
98	Reconstruction of amino acid biosynthetic pathways increases the productivity of 2-keto-L-gulonic acid in Ketogulonicigenium vulgare-Bacillus endophyticus consortium via genes screening. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 1031-1040	4.2	10
97	Advances in engineering UDP-sugar supply for recombinant biosynthesis of glycosides in microbes. *Biotechnology Advances*, **2020**, 41, 107538	17.8	10
96	Lipidome profiling of Saccharomyces cerevisiae reveals pitching rate-dependent fermentative performance. *Applied Microbiology and Biotechnology*, **2010**, 87, 1507-16	5.7	10
95	Nitrogen Sources Affect Streptolydigin Production and Related Secondary Metabolites Distribution of Streptomyces lydicus AS 4.2501 . *Chinese Journal of Chemical Engineering*, **2007**, 15, 403-410	3.2	10
94	Ethylenediamine Enhances Ionic Liquid Pretreatment Performance at High Solid Loading. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 13007-13018	8.3	10

93	Lignin valorization meets synthetic biology. *Engineering in Life Sciences*, **2019**, 19, 463-470	3.4	9
92	In vitro and in vivo recombination of heterologous modules for improving biosynthesis of astaxanthin in yeast. *Microbial Cell Factories*, **2020**, 19, 103	6.4	9
91	Hydrothermal pretreatment for deconstruction of plant cell wall: Part II. Effect on cellulose structure and bioconversion. *AICHE Journal*, **2018**, 64, 1954-1964	3.6	9
90	Reducing sugar loss in enzymatic hydrolysis of ethylenediamine pretreated corn stover. *Bioresource Technology*, **2017**, 224, 405-410	11	9
89	Multigene Pathway Engineering with Regulatory Linkers (M-PERL). *ACS Synthetic Biology*, **2016**, 5, 1535-1545	5.7	9
88	Lignin valorization for protocatechuic acid production in engineered Saccharomyces cerevisiae. *Green Chemistry*, **2021**, 23, 6515-6526	10	9
87	Comparative genomics and metabolomics analyses of the adaptation mechanism in Ketogulonicigenium vulgare-Bacillus thuringiensis consortium. *Scientific Reports*, **2017**, 7, 46759	4.9	8
86	Improving prodeoxyviolacein production via multiplex SCRaMbLE iterative cycles. *Frontiers of Chemical Science and Engineering*, **2018**, 12, 806-814	4.5	8
85	Orthogonal Ribosome Biofirewall. *ACS Synthetic Biology*, **2017**, 6, 2108-2117	5.7	8
84	Robust orthogonal recombination system for versatile genomic elements rearrangement in yeast Saccharomyces cerevisiae. *Scientific Reports*, **2015**, 5, 15249	4.9	8
83	Feature selection for the identification of antitumor compounds in the alcohol total extracts of Curcuma longa. *Planta Medica*, **2014**, 80, 1036-44	3.1	8
82	Investigation of proteomic responses of Streptomyces lydicus to pitching ratios for improving streptolydigin production. *Biotechnology and Bioprocess Engineering*, **2012**, 17, 997-1007	3.1	8
81	Antitumor compound identification from Zanthoxylum bungeanum essential oil based on composition-activity relationship. *Chemical Research in Chinese Universities*, **2013**, 29, 1068-1071	2.2	8
80	A Novel Approach to Evaluate the Quality and Identify the Active Compounds of the Essential Oil from Curcuma longa L.. *Analytical Letters*, **2013**, 46, 1213-1228	2.2	8
79	Comparison of the secondary metabolites in Penicillium chrysogenum between pilot and industrial penicillin G fermentations. *Applied Microbiology and Biotechnology*, **2011**, 89, 1193-202	5.7	8
78	Effects of Propionate on Streptolydigin Production and Carbon Flux Distribution in Streptomyces lydicus AS 4.2501. *Chinese Journal of Chemical Engineering*, **2007**, 15, 143-149	3.2	8
77	Ce(4+) induced down-regulation of ERK-like MAPK and activation of nucleases during the apoptosis of cultured Taxus cuspidata cells. *Journal of Inorganic Biochemistry*, **2006**, 100, 167-77	4.2	8
76	Apoptotic cell death in suspension cultures of Taxus chinensis var. mairei. *Biotechnology Letters*, **2002**, 24, 573-577	3	8

75	Abnormal mitosis versus apoptosis of Taxus cuspidata induced by oleic acid in two-liquid-phase suspension cultures. *Enzyme and Microbial Technology*, **2005**, 37, 76-81	3.8	8
74	High-solid ethylenediamine pretreatment to fractionate new lignin streams from lignocellulosic biomass. *Chemical Engineering Journal*, **2022**, 427, 130962	14.7	8
73	Engineering budding yeast for the production of coumarins from lignin. *Biochemical Engineering Journal*, **2020**, 160, 107634	4.2	7
72	Composition□ctivity relationship modeling to predict the antitumor activity for quality control of curcuminoids from Curcuma longa L. (turmeric). *Analytical Methods*, **2013**, 5, 641-647	3.2	7
71	Taxoids profiling of suspension Taxus chinensis var. mairei cells in response to shear stress. *Biochemical Engineering Journal*, **2013**, 77, 66-73	4.2	7
70	Spatio-temporal distributions of metal ions and Taxol of Taxus cuspidata cells immobilized on polyurethane foam. *Biotechnology Letters*, **2006**, 28, 29-32	3	7
69	Translocation of isopentenyl pyrophosphate for Taxol biosynthesis in suspension cultures of Taxus chinensis var. mairei. *Plant Cell, Tissue and Organ Culture*, **2003**, 74, 283-288	2.7	7
68	Yeast chromosomal engineering to improve industrially-relevant phenotypes. *Current Opinion in Biotechnology*, **2020**, 66, 165-170	11.4	7
67	Comparative analysis of L-sorbose dehydrogenase by docking strategy for 2-keto-L-gulonic acid production in Ketogulonicigenium vulgare and Bacillus endophyticus consortium. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 1507-1516	4.2	7
66	SCRaMbLEing of a Synthetic Yeast Chromosome with Clustered Essential Genes Reveals Synthetic Lethal Interactions. *ACS Synthetic Biology*, **2020**, 9, 1181-1189	5.7	6
65	Synthetic cell-cell communication in a three-species consortium for one-step vitamin C fermentation. *Biotechnology Letters*, **2019**, 41, 951-961	3	6
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