

Ying-Jin Yuan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7445534/ying-jin-yuan-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Artificial nondirectional site-specific recombination systems.. <i>IScience</i> , 2022 , 25, 103716	6.1	
235	Construction of synthetic microbial consortia for 2-keto-L-gulonic acid biosynthesis.. <i>Synthetic and Systems Biotechnology</i> , 2022 , 7, 481-489	4.2	2
234	High-solid ethylenediamine pretreatment to fractionate new lignin streams from lignocellulosic biomass. <i>Chemical Engineering Journal</i> , 2022 , 427, 130962	14.7	8
233	Mobile CRISPR-Cas9 based anti-phage system in .. <i>Frontiers of Chemical Science and Engineering</i> , 2022 , 1-9	4.5	2
232	Microbial Adaptation to Enhance Stress Tolerance.. <i>Frontiers in Microbiology</i> , 2022 , 13, 888746	5.7	3
231	Combining nucleotide variations and structure variations for improving astaxanthin biosynthesis.. <i>Microbial Cell Factories</i> , 2022 , 21, 79	6.4	
230	Identifying Ligninolytic Bacteria for Lignin Valorization to Bioplastics. <i>Bioresource Technology</i> , 2022 , 127383	3.83	0
229	Bacterial conversion routes for lignin valorization. <i>Biotechnology Advances</i> , 2022 , 108000	17.8	2
228	Evaluation of PET Degradation Using Artificial Microbial Consortia.. <i>Frontiers in Microbiology</i> , 2021 , 12, 778828	5.7	3
227	Directed genome evolution driven by structural rearrangement techniques. <i>Chemical Society Reviews</i> , 2021 , 50, 12788-12807	58.5	1
226	Establishment of genomic library technology mediated by non-homologous end joining mechanism in <i>Yarrowia lipolytica</i> . <i>Science China Life Sciences</i> , 2021 , 1	8.5	5
225	Compartmentalized Reconstitution of Post-qualene Pathway for 7-Dehydrocholesterol Overproduction in. <i>Frontiers in Microbiology</i> , 2021 , 12, 663973	5.7	1
224	Yeast autonomously replicating sequence (ARS): Identification, function, and modification. <i>Engineering in Life Sciences</i> , 2021 , 21, 464-474	3.4	
223	A "push-pull-restrain" strategy to improve citronellol production in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2021 , 66, 51-59	9.7	4
222	Lignin valorization for protocatechuic acid production in engineered <i>Saccharomyces cerevisiae</i> . <i>Green Chemistry</i> , 2021 , 23, 6515-6526	10	9
221	Debugging: putting the synthetic yeast chromosome to work. <i>Chemical Science</i> , 2021 , 12, 5381-5389	9.4	2
220	Endogenous 2[Plasmid Editing for Pathway Engineering in. <i>Frontiers in Microbiology</i> , 2021 , 12, 631462	5.7	2

219	One-Step Biosynthesis of Vitamin C in. <i>Frontiers in Microbiology</i> , 2021 , 12, 643472	5.7	2
218	An artificial chromosome for data storage. <i>National Science Review</i> , 2021 , 8, nwab028	10.8	15
217	A DNA Inversion System in Eukaryotes Established via Laboratory Evolution. <i>ACS Synthetic Biology</i> , 2021 , 10, 2222-2230	5.7	0
216	Engineering synthetic microbial consortium for efficient conversion of lactate from glucose and xylose to generate electricity. <i>Biochemical Engineering Journal</i> , 2021 , 172, 108052	4.2	4
215	CCD2 Access Tunnel Design for a Broader Substrate Profile in Crocetin Production. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11626-11636	5.7	2
214	Current Advances in the Biodegradation and Bioconversion of Polyethylene Terephthalate.. <i>Microorganisms</i> , 2021 , 10,	4.9	3
213	Protein acetylation regulates xylose metabolism during adaptation of <i>Saccharomyces cerevisiae</i> .. <i>Biotechnology for Biofuels</i> , 2021 , 14, 241	7.8	0
212	Exogenous artificial DNA forms chromatin structure with active transcription in yeast.. <i>Science China Life Sciences</i> , 2021 , 1	8.5	2
211	Engineering prokaryotic regulator IrrE to enhance stress tolerance in budding yeast. <i>Biotechnology for Biofuels</i> , 2020 , 13, 193	7.8	5
210	In vitro and in vivo recombination of heterologous modules for improving biosynthesis of astaxanthin in yeast. <i>Microbial Cell Factories</i> , 2020 , 19, 103	6.4	9
209	Engineering budding yeast for the production of coumarins from lignin. <i>Biochemical Engineering Journal</i> , 2020 , 160, 107634	4.2	7
208	Stress-driven dynamic regulation of multiple tolerance genes improves robustness and productive capacity of <i>Saccharomyces cerevisiae</i> in industrial lignocellulose fermentation. <i>Metabolic Engineering</i> , 2020 , 61, 160-170	9.7	23
207	Exploring Catalysis Specificity of Phytoene Dehydrogenase CrtI in Carotenoid Synthesis. <i>ACS Synthetic Biology</i> , 2020 , 9, 1753-1762	5.7	2
206	Control of the polymyxin analog ratio by domain swapping in the nonribosomal peptide synthetase of <i>Paenibacillus polymyxa</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 551-562	4.2	2
205	Continuous Self-Cycling Fermentation Leads to Economical Lycopene Production by. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 420	5.8	5
204	Discovering and genotyping genomic structural variations by yeast genome synthesis and inducible evolution. <i>FEMS Yeast Research</i> , 2020 , 20,	3.1	5
203	Engineering yeast artificial core promoter with designated base motifs. <i>Microbial Cell Factories</i> , 2020 , 19, 38	6.4	13
202	Multilevel Defense System (MDS) Relieves Multiple Stresses for Economically Boosting Ethanol Production of Industrial <i>Saccharomyces cerevisiae</i> . <i>ACS Energy Letters</i> , 2020 , 5, 572-582	20.1	14

201	Fractionation of corn stover by two-step pretreatment for production of ethanol, furfural, and lignin. <i>Energy</i> , 2020 , 195, 117076	7.9	19
200	Enhanced astaxanthin production in yeast via combined mutagenesis and evolution. <i>Biochemical Engineering Journal</i> , 2020 , 156, 107519	4.2	21
199	Advances in engineering UDP-sugar supply for recombinant biosynthesis of glycosides in microbes. <i>Biotechnology Advances</i> , 2020 , 41, 107538	17.8	10
198	SCRaMbLEing of a Synthetic Yeast Chromosome with Clustered Essential Genes Reveals Synthetic Lethal Interactions. <i>ACS Synthetic Biology</i> , 2020 , 9, 1181-1189	5.7	6
197	DNA information storage for audio and video files. <i>Scientia Sinica Vitae</i> , 2020 , 50, 81-85	1.4	4
196	NVD-BM-mediated genetic biosensor triggers accumulation of 7-dehydrocholesterol and inhibits melanoma via Akt1/NF- κ B signaling. <i>Aging</i> , 2020 , 12, 15021-15036	5.6	1
195	7-dehydrocholesterol suppresses melanoma cell proliferation and invasion via Akt1/NF- κ B signaling. <i>Oncology Letters</i> , 2020 , 20, 398	2.6	3
194	Alkali-Based Pretreatment-Facilitated Lignin Valorization: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16923-16938	3.9	22
193	Bio-removal of tetracycline antibiotics under the consortium with probiotics <i>Bacillus clausii</i> T and <i>Bacillus amyloliquefaciens</i> producing biosurfactants. <i>Science of the Total Environment</i> , 2020 , 710, 136329	10.2	29
192	Temperature profiled simultaneous saccharification and co-fermentation of corn stover increases ethanol production at high solid loading. <i>Energy Conversion and Management</i> , 2020 , 205, 112344	10.6	19
191	Yeast chromosomal engineering to improve industrially-relevant phenotypes. <i>Current Opinion in Biotechnology</i> , 2020 , 66, 165-170	11.4	7
190	Crocetin Overproduction in Engineered via Tuning Key Enzymes Coupled With Precursor Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 578005	5.8	3
189	Pathway engineering in yeast for synthesizing the complex polyketide bikaverin. <i>Nature Communications</i> , 2020 , 11, 6197	17.4	11
188	High production of triterpenoids in through manipulation of lipid components. <i>Biotechnology for Biofuels</i> , 2020 , 13, 133	7.8	15
187	Ethylenediamine Enhances Ionic Liquid Pretreatment Performance at High Solid Loading. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 13007-13018	8.3	10
186	Chromosome drives via CRISPR-Cas9 in yeast. <i>Nature Communications</i> , 2020 , 11, 4344	17.4	6
185	Collaborative subcellular compartmentalization to improve GPP utilization and boost sabinene accumulation in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Engineering Journal</i> , 2020 , 164, 107768	4.2	4
184	Metabolic Engineering of for Enhanced Dihydroartemisinic Acid Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 152	5.8	5

183	Primary and Secondary Metabolic Effects of a Key Gene Deletion (J)in Metabolically Engineered Terpenoid-Producing. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	12
182	The effect of autonomously replicating sequences on gene expression in <i>saccharomyces cerevisiae</i> . <i>Biochemical Engineering Journal</i> , 2019 , 149, 107250	4.2	4
181	Orthogonal Engineering of Biosynthetic Pathway for Efficient Production of Limonene in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2019 , 8, 968-975	5.7	47
180	Building a global alliance of biofoundries. <i>Nature Communications</i> , 2019 , 10, 2040	17.4	91
179	Transcriptome analysis reveals novel enzymes for apo-carotenoid biosynthesis in saffron and allows construction of a pathway for crocetin synthesis in yeast. <i>Journal of Experimental Botany</i> , 2019 , 70, 4819-4834	24	
178	High production of fatty alcohols in <i>Yarrowia lipolytica</i> by coordination with glycolysis. <i>Science China Chemistry</i> , 2019 , 62, 1007-1016	7.9	14
177	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019 , 35, 929-993	5	1
176	Lignin valorization meets synthetic biology. <i>Engineering in Life Sciences</i> , 2019 , 19, 463-470	3.4	9
175	Loss of heterozygosity by SCRaMbleing. <i>Science China Life Sciences</i> , 2019 , 62, 381-393	8.5	15
174	Improving co-fermentation of glucose and xylose by adaptive evolution of engineering xylose-fermenting <i>Saccharomyces cerevisiae</i> and different fermentation strategies. <i>Renewable Energy</i> , 2019 , 139, 1176-1183	8.1	19
173	SCRaMble generates evolved yeasts with increased alkali tolerance. <i>Microbial Cell Factories</i> , 2019 , 18, 52	6.4	21
172	Synthetic genome with recoding. <i>Science China Life Sciences</i> , 2019 , 62, 1096-1097	8.5	1
171	Synthetic cell-cell communication in a three-species consortium for one-step vitamin C fermentation. <i>Biotechnology Letters</i> , 2019 , 41, 951-961	3	6
170	Pregnenolone Overproduction in by Integrative Components Pairing of the Cytochrome P450 _{sc} System. <i>ACS Synthetic Biology</i> , 2019 , 8, 2666-2678	5.7	13
169	Constructing Yeast Chimeric Pathways To Boost Lipophilic Terpene Synthesis. <i>ACS Synthetic Biology</i> , 2019 , 8, 724-733	5.7	14
168	The biodegradation of cefuroxime, cefotaxime and cefpirome by the synthetic consortium with probiotic <i>Bacillus clausii</i> and investigation of their potential biodegradation pathways. <i>Science of the Total Environment</i> , 2019 , 651, 271-280	10.2	30
167	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. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 21-31	4.2	13
166	Hydrothermal pretreatment for deconstruction of plant cell wall: Part I. Effect on lignin-carbohydrate complex. <i>AIChE Journal</i> , 2018 , 64, 1938-1953	3.6	20

165	Hydrothermal pretreatment for deconstruction of plant cell wall: Part II. Effect on cellulose structure and bioconversion. <i>AIChE Journal</i> , 2018 , 64, 1954-1964	3.6	9
164	Identification and manipulation of a novel locus to improve cell tolerance to short-chain alcohols in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018 , 45, 589-598	4.2	3
163	Process analysis and optimization of simultaneous saccharification and co-fermentation of ethylenediamine-pretreated corn stover for ethanol production. <i>Biotechnology for Biofuels</i> , 2018 , 11, 118	7.8	30
162	Gene repression via multiplex gRNA strategy in <i>Y. lipolytica</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 62	6.4	42
161	Endogenous lycopene improves ethanol production under acetic acid stress in. <i>Biotechnology for Biofuels</i> , 2018 , 11, 107	7.8	15
160	Improvement of sulfamethoxazole (SMX) elimination and inhibition of formations of hydroxylamine-SMX and N4-acetyl-SMX by membrane bioreactor systems. <i>Biodegradation</i> , 2018 , 29, 245-258	4.1	5
159	Convergent engineering of syntrophic <i>Escherichia coli</i> coculture for efficient production of glycosides. <i>Metabolic Engineering</i> , 2018 , 47, 243-253	9.7	49
158	Improving prodeoxyviolacein production via multiplex SCRaMbLE iterative cycles. <i>Frontiers of Chemical Science and Engineering</i> , 2018 , 12, 806-814	4.5	8
157	Ethylenediamine pretreatment of corn stover facilitates high gravity fermentation with low enzyme loading. <i>Bioresource Technology</i> , 2018 , 267, 227-234	11	14
156	Engineering global transcription to tune lipophilic properties in. <i>Biotechnology for Biofuels</i> , 2018 , 11, 115	7.8	11
155	Metabolic engineering of for 7-dehydrocholesterol overproduction. <i>Biotechnology for Biofuels</i> , 2018 , 11, 192	7.8	17
154	Astaxanthin overproduction in yeast by strain engineering and new gene target uncovering. <i>Biotechnology for Biofuels</i> , 2018 , 11, 230	7.8	54
153	Stepwise pretreatment of aqueous ammonia and ethylenediamine improve enzymatic hydrolysis of corn stover. <i>Industrial Crops and Products</i> , 2018 , 124, 201-208	5.9	14
152	Improving xylose utilization and ethanol production from dry dilute acid pretreated corn stover by two-step and fed-batch fermentation. <i>Energy</i> , 2018 , 157, 877-885	7.9	18
151	Simultaneous removal of ciprofloxacin, norfloxacin, sulfamethoxazole by co-producing oxidative enzymes system of <i>Phanerochaete chrysosporium</i> and <i>Pycnoporus sanguineus</i> . <i>Chemosphere</i> , 2018 , 195, 146-155	8.4	41
150	Rapid and Efficient CRISPR/Cas9-Based Mating-Type Switching of. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 173-183	3.2	16
149	Ring synthetic chromosome V SCRaMbLE. <i>Nature Communications</i> , 2018 , 9, 3783	17.4	26
148	Precise control of SCRaMbLE in synthetic haploid and diploid yeast. <i>Nature Communications</i> , 2018 , 9, 1933	17.4	74

147	Rapid host strain improvement by in vivo rearrangement of a synthetic yeast chromosome. <i>Nature Communications</i> , 2018 , 9, 1932	17.4	64
146	In vitro DNA SCRaMbLE. <i>Nature Communications</i> , 2018 , 9, 1935	17.4	56
145	Heterozygous diploid and interspecies SCRaMbLEing. <i>Nature Communications</i> , 2018 , 9, 1934	17.4	50
144	Synthetic <i>Saccharomyces cerevisiae</i> - <i>Shewanella oneidensis</i> consortium enables glucose-fed high-performance microbial fuel cell. <i>AIChE Journal</i> , 2017 , 63, 1830-1838	3.6	29
143	Engineering the ribosomal DNA in a megabase synthetic chromosome. <i>Science</i> , 2017 , 355,	33.3	99
142	3D organization of synthetic and scrambled chromosomes. <i>Science</i> , 2017 , 355,	33.3	73
141	"Perfect" designer chromosome V and behavior of a ring derivative. <i>Science</i> , 2017 , 355,	33.3	124
140	Bug mapping and fitness testing of chemically synthesized chromosome X. <i>Science</i> , 2017 , 355,	33.3	112
139	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017 , 355,	33.3	101
138	Engineering of β -carotene hydroxylase and ketolase for astaxanthin overproduction in <i>Saccharomyces cerevisiae</i> . <i>Frontiers of Chemical Science and Engineering</i> , 2017 , 11, 89-99	4.5	29
137	A three-species microbial consortium for power generation. <i>Energy and Environmental Science</i> , 2017 , 10, 1600-1609	35.4	55
136	Comparative genomics and metabolomics analyses of the adaptation mechanism in <i>Ketogulonicigenium vulgare</i> - <i>Bacillus thuringiensis</i> consortium. <i>Scientific Reports</i> , 2017 , 7, 46759	4.9	8
135	Dual effect of soluble materials in pretreated lignocellulose on simultaneous saccharification and co-fermentation process for the bioethanol production. <i>Bioresource Technology</i> , 2017 , 224, 342-348	11	11
134	Production of naringenin from D-xylose with co-culture of and. <i>Engineering in Life Sciences</i> , 2017 , 17, 1021-1029	3.4	34
133	Reconstruction of amino acid biosynthetic pathways increases the productivity of 2-keto-L-gulonic acid in <i>Ketogulonicigenium vulgare</i> - <i>Bacillus endophyticus</i> consortium via genes screening. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 1031-1040	4.2	10
132	Medium Optimization for Antifungal Active Substance Production from <i>Streptomyces Lydicus</i> Using Response Surface Methodology. <i>Transactions of Tianjin University</i> , 2017 , 23, 78-86	2.9	5
131	Manipulation of GES and ERG20 for geraniol overproduction in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2017 , 41, 57-66	9.7	84
130	Improved campesterol production in engineered <i>Yarrowia lipolytica</i> strains. <i>Biotechnology Letters</i> , 2017 , 39, 1033-1039	3	18

129	Optimization of ethylenediamine pretreatment and enzymatic hydrolysis to produce fermentable sugars from corn stover. <i>Industrial Crops and Products</i> , 2017 , 102, 51-57	5.9	23
128	Heterologous biosynthesis and manipulation of crocetin in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2017 , 16, 54	6.4	28
127	Complete genome sequencing and antibiotics biosynthesis pathways analysis of <i>Streptomyces lydicus</i> 103. <i>Scientific Reports</i> , 2017 , 7, 44786	4.9	11
126	Enhancing <i>Saccharomyces cerevisiae</i> reactive oxygen species and ethanol stress tolerance for high-level production of protopanaxadiol. <i>Bioresource Technology</i> , 2017 , 227, 308-316	11	31
125	Profiling influences of gene overexpression on heterologous resveratrol production in <i>Saccharomyces cerevisiae</i> . <i>Frontiers of Chemical Science and Engineering</i> , 2017 , 11, 117-125	4.5	14
124	Design and chemical synthesis of eukaryotic chromosomes. <i>Chemical Society Reviews</i> , 2017 , 46, 7191-7205	8.5	15
123	Genome-wide landscape of position effects on heterogeneous gene expression in. <i>Biotechnology for Biofuels</i> , 2017 , 10, 189	7.8	32
122	Chassis and key enzymes engineering for monoterpenes production. <i>Biotechnology Advances</i> , 2017 , 35, 1022-1031	17.8	17
121	Orthogonal Ribosome Biofirewall. <i>ACS Synthetic Biology</i> , 2017 , 6, 2108-2117	5.7	8
120	Engineering <i>Saccharomyces cerevisiae</i> for geranylgeraniol overproduction by combinatorial design. <i>Scientific Reports</i> , 2017 , 7, 14991	4.9	19
119	Enhancement of Simultaneous Xylose and Glucose Utilization by Regulating ZWF1 and PGI1 in <i>Saccharomyces Cerevisiae</i> . <i>Transactions of Tianjin University</i> , 2017 , 23, 201-210	2.9	2
118	Cell foundry with high product specificity and catalytic activity for 21-deoxycortisol biotransformation. <i>Microbial Cell Factories</i> , 2017 , 16, 105	6.4	5
117	Reducing sugar loss in enzymatic hydrolysis of ethylenediamine pretreated corn stover. <i>Bioresource Technology</i> , 2017 , 224, 405-410	11	9
116	Design and synthesis of yeast chromosomes. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2017 , 39, 865-876	1.4	2
115	Lycopene overproduction in <i>Saccharomyces cerevisiae</i> through combining pathway engineering with host engineering. <i>Microbial Cell Factories</i> , 2016 , 15, 113	6.4	113
114	Insights into mutualism mechanism and versatile metabolism of <i>Ketogulonicigenium vulgare</i> Hbe602 based on comparative genomics and metabolomics studies. <i>Scientific Reports</i> , 2016 , 6, 23068	4.9	19
113	Exogenous cofactors for the improvement of bioremoval and biotransformation of sulfamethoxazole by <i>Alcaligenes faecalis</i> . <i>Science of the Total Environment</i> , 2016 , 565, 547-556	10.2	33
112	Inhibition of lignin-derived phenolic compounds to cellulase. <i>Biotechnology for Biofuels</i> , 2016 , 9, 70	7.8	119

111	Heterologous biosynthesis and manipulation of alkanes in Escherichia coli. <i>Metabolic Engineering</i> , 2016 , 38, 19-28	9.7	51
110	Comprehensive Profiling of Proteome Changes Provide Insights of Industrial Penicillium chrysogenum During Pilot and Industrial Penicillin G Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 179, 788-804	3.2	5
109	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. <i>Bioresource Technology</i> , 2016 , 209, 172-9	11	17
108	Reorganization of a synthetic microbial consortium for one-step vitamin C fermentation. <i>Microbial Cell Factories</i> , 2016 , 15, 21	6.4	40
107	Facet Energy and Reactivity versus Cytotoxicity: The Surprising Behavior of CdS Nanorods. <i>Nano Letters</i> , 2016 , 16, 688-94	11.5	25
106	Engineering Yarrowia lipolytica for Campesterol Overproduction. <i>PLoS ONE</i> , 2016 , 11, e0146773	3.7	27
105	Multigene Pathway Engineering with Regulatory Linkers (M-PERL). <i>ACS Synthetic Biology</i> , 2016 , 5, 1535-1545	5.7	9
104	Optimization of a cytochrome P450 oxidation system for enhancing protopanaxadiol production in Saccharomyces cerevisiae. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1787-95	4.9	58
103	In situ detoxification of dry dilute acid pretreated corn stover by co-culture of xylose-utilizing and inhibitor-tolerant Saccharomyces cerevisiae increases ethanol production. <i>Bioresource Technology</i> , 2016 , 218, 380-7	11	25
102	Engineering Saccharomyces cerevisiae to produce odd chain-length fatty alcohols. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 842-51	4.9	23
101	Comparative genomics analysis of the companion mechanisms of Bacillus thuringiensis Bc601 and Bacillus endophyticus Hbe603 in bacterial consortium. <i>Scientific Reports</i> , 2016 , 6, 28794	4.9	12
100	Complete Genome Sequence of the Industrial Bacterium Ketogulonigenium vulgare SKV. <i>Genome Announcements</i> , 2016 , 4,		3
99	Design, analysis and application of synthetic microbial consortia. <i>Synthetic and Systems Biotechnology</i> , 2016 , 1, 109-117	4.2	62
98	Comparative analysis of L-sorbose dehydrogenase by docking strategy for 2-keto-L-gulonic acid production in Ketogulonigenium vulgare and Bacillus endophyticus consortium. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 1507-1516	4.2	7
97	Improving the bioremoval of sulfamethoxazole and alleviating cytotoxicity of its biotransformation by laccase producing system under coculture of Pycnoporus sanguineus and Alcaligenes faecalis. <i>Bioresource Technology</i> , 2016 , 220, 333-340	11	33
96	Design and construction of synthetic microbial consortia in China. <i>Synthetic and Systems Biotechnology</i> , 2016 , 1, 230-235	4.2	24
95	Modularization of genetic elements promotes synthetic metabolic engineering. <i>Biotechnology Advances</i> , 2015 , 33, 1412-9	17.8	11
94	Biosynthesis of odd-chain fatty alcohols in Escherichia coli. <i>Metabolic Engineering</i> , 2015 , 29, 113-123	9.7	55

93	Engineered biosynthesis of natural products in heterologous hosts. <i>Chemical Society Reviews</i> , 2015 , 44, 5265-90	58.5	119
92	Simultaneous saccharification and co-fermentation of dry diluted acid pretreated corn stover at high dry matter loading: Overcoming the inhibitors by non-tolerant yeast. <i>Bioresource Technology</i> , 2015 , 198, 39-46	11	44
91	Robust orthogonal recombination system for versatile genomic elements rearrangement in yeast <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2015 , 5, 15249	4.9	8
90	Ethylenediamine pretreatment changes cellulose allomorph and lignin structure of lignocellulose at ambient pressure. <i>Biotechnology for Biofuels</i> , 2015 , 8, 174	7.8	44
89	Increasing proline and myo-inositol improves tolerance of <i>Saccharomyces cerevisiae</i> to the mixture of multiple lignocellulose-derived inhibitors. <i>Biotechnology for Biofuels</i> , 2015 , 8, 142	7.8	36
88	Heterologous xylose isomerase pathway and evolutionary engineering improve xylose utilization in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Microbiology</i> , 2015 , 6, 1165	5.7	27
87	Deletion of D-ribulose-5-phosphate 3-epimerase (RPE1) induces simultaneous utilization of xylose and glucose in xylose-utilizing <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2015 , 37, 1031-6	3	15
86	Physical and Chemical Characterizations of Corn Stover from Leading Pretreatment Methods and Effects on Enzymatic Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 140-146	8.3	49
85	RADOM, an efficient in vivo method for assembling designed DNA fragments up to 10 kb long in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2015 , 4, 213-20	5.7	30
84	Alleviating Redox Imbalance Enhances 7-Dehydrocholesterol Production in Engineered <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2015 , 10, e0130840	3.7	21
83	Genome Sequence of <i>Bacillus endophyticus</i> and Analysis of Its Companion Mechanism in the <i>Ketogulonigenium vulgare</i> - <i>Bacillus</i> Strain Consortium. <i>PLoS ONE</i> , 2015 , 10, e0135104	3.7	16
82	Synthetic microbial consortia: from systematic analysis to construction and applications. <i>Chemical Society Reviews</i> , 2014 , 43, 6954-81	58.5	128
81	Simultaneous saccharification and co-fermentation of aqueous ammonia pretreated corn stover with an engineered <i>Saccharomyces cerevisiae</i> SyBE005. <i>Bioresource Technology</i> , 2014 , 169, 9-18	11	42
80	A novel toxicity mechanism of CdSe nanoparticles to <i>Saccharomyces cerevisiae</i> : enhancement of vacuolar membrane permeabilization (VMP). <i>Chemico-Biological Interactions</i> , 2014 , 220, 208-13	5	16
79	Regulation of extracellular oxidoreduction potential enhanced (R,R)-2,3-butanediol production by <i>Paenibacillus polymyxa</i> CJX518. <i>Bioresource Technology</i> , 2014 , 167, 433-40	11	36
78	Feature selection for the identification of antitumor compounds in the alcohol total extracts of <i>Curcuma longa</i> . <i>Planta Medica</i> , 2014 , 80, 1036-44	3.1	8
77	Simultaneous saccharification and fermentation of steam-exploded corn stover at high glucan loading and high temperature. <i>Biotechnology for Biofuels</i> , 2014 , 7, 167	7.8	104
76	Comparative proteomic analysis of experimental evolution of the <i>Bacillus cereus</i> - <i>Ketogulonigenium vulgare</i> co-culture. <i>PLoS ONE</i> , 2014 , 9, e91789	3.7	14

75	Metabolomic analysis of cooperative adaptation between co-cultured <i>Bacillus cereus</i> and <i>Ketogulonigenium vulgare</i> . <i>PLoS ONE</i> , 2014 , 9, e94889	3.7	17
74	Biosynthesis of Taxadiene in <i>Saccharomyces cerevisiae</i> : selection of geranylgeranyl diphosphate synthase directed by a computer-aided docking strategy. <i>PLoS ONE</i> , 2014 , 9, e109348	3.7	58
73	High temperature aqueous ammonia pretreatment and post-washing enhance the high solids enzymatic hydrolysis of corn stover. <i>Bioresource Technology</i> , 2013 , 146, 504-511	11	60
72	Composition-activity relationship modeling to predict the antitumor activity for quality control of curcuminoids from <i>Curcuma longa</i> L. (turmeric). <i>Analytical Methods</i> , 2013 , 5, 641-647	3.2	7
71	Metabolic analysis reveals the amino acid responses of <i>Streptomyces lydicus</i> to pitching ratios during improving streptolydigin production. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 5943-54	5.7	13
70	Quantitative proteomic profiling reveals photosynthesis responsible for inoculum size dependent variation in <i>Chlorella sorokiniana</i> . <i>Biotechnology and Bioengineering</i> , 2013 , 110, 773-84	4.9	25
69	Taxoids profiling of suspension <i>Taxus chinensis</i> var. <i>mairei</i> cells in response to shear stress. <i>Biochemical Engineering Journal</i> , 2013 , 77, 66-73	4.2	7
68	Enhancement of 2-keto-gulonic acid yield by serial subcultivation of co-cultures of <i>Bacillus cereus</i> and <i>Ketogulonigenium vulgare</i> . <i>Bioresource Technology</i> , 2013 , 132, 370-3	11	12
67	Antitumor compound identification from <i>Zanthoxylum bungeanum</i> essential oil based on composition-activity relationship. <i>Chemical Research in Chinese Universities</i> , 2013 , 29, 1068-1071	2.2	8
66	Insights into the roles of exogenous glutamate and proline in improving streptolydigin production of <i>Streptomyces lydicus</i> with metabolomic analysis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013 , 40, 1303-14	4.2	6
65	A continuous-effect membrane distillation process based on hollow fiber AGMD module with internal latent-heat recovery. <i>AIChE Journal</i> , 2013 , 59, 1278-1297	3.6	45
64	A Novel Approach to Evaluate the Quality and Identify the Active Compounds of the Essential Oil from <i>Curcuma longa</i> L.. <i>Analytical Letters</i> , 2013 , 46, 1213-1228	2.2	8
63	Optimization of CDT-1 and XYL1 expression for balanced co-production of ethanol and xylitol from cellobiose and xylose by engineered <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2013 , 8, e68317	3.7	29
62	Phospholipid metabolism in an industry microalga <i>Chlorella sorokiniana</i> : the impact of inoculum sizes. <i>PLoS ONE</i> , 2013 , 8, e70827	3.7	14
61	Metabolome analysis reveals ethanolamine as potential marker for improving lipid accumulation of model photosynthetic organisms. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1409-1418	3.5	31
60	Metabolomic profiling elucidates community dynamics of the <i>Ketogulonigenium vulgare</i> / <i>Bacillus megaterium</i> consortium. <i>Metabolomics</i> , 2012 , 8, 960-973	4.7	36
59	Comparative lipidomic analysis of <i>S. cerevisiae</i> cells during industrial bioethanol fermentation. <i>Frontiers of Chemical Science and Engineering</i> , 2012 , 6, 461-469	4.5	
58	Comparative metabolomic study of <i>Penicillium chrysogenum</i> during pilot and industrial penicillin fermentations. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 168, 1223-38	3.2	14

57	Investigation of proteomic responses of <i>Streptomyces lydicus</i> to pitching ratios for improving streptolydigin production. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 997-1007	3.1	8
56	Proteomic research reveals the stress response and detoxification of yeast to combined inhibitors. <i>PLoS ONE</i> , 2012 , 7, e43474	3.7	29
55	Comparative metabolic profiling of parental and inhibitors-tolerant yeasts during lignocellulosic ethanol fermentation. <i>Metabolomics</i> , 2012 , 8, 232-243	4.7	46
54	Comparative lipidomic analysis of <i>Cephalosporium acremonium</i> insights into industrial and pilot fermentations. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 259-269	3.1	2
53	Proteomic analysis of <i>Ketogulonicigenium vulgare</i> under glutathione reveals high demand for thiamin transport and antioxidant protection. <i>PLoS ONE</i> , 2012 , 7, e32156	3.7	31
52	Integrated proteomic and metabolomic analysis of an artificial microbial community for two-step production of vitamin C. <i>PLoS ONE</i> , 2011 , 6, e26108	3.7	75
51	Comparison of the secondary metabolites in <i>Penicillium chrysogenum</i> between pilot and industrial penicillin G fermentations. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1193-202	5.7	8
50	Simultaneous saccharification and fermentation of sweet potato powder for the production of ethanol under conditions of very high gravity. <i>Frontiers of Chemical Science and Engineering</i> , 2011 , 5, 318-324	4.5	22
49	Comparative lipidomic profiling of xylose-metabolizing <i>S. cerevisiae</i> and its parental strain in different media reveals correlations between membrane lipids and fermentation capacity. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 12-21	4.9	25
48	An environment-sensitive synthetic microbial ecosystem. <i>PLoS ONE</i> , 2010 , 5, e10619	3.7	44
47	Transcriptome shifts in response to furfural and acetic acid in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 1915-24	5.7	93
46	Lipidome profiling of <i>Saccharomyces cerevisiae</i> reveals pitching rate-dependent fermentative performance. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 1507-16	5.7	10
45	Metabolome profiling reveals adaptive evolution of <i>Saccharomyces cerevisiae</i> during repeated vacuum fermentations. <i>Metabolomics</i> , 2010 , 6, 42-55	4.7	59
44	Biofuels in China: past, present and future. <i>Biofuels, Bioproducts and Biorefining</i> , 2010 , 4, 326-342	5.3	33
43	Process optimization to convert forage and sweet sorghum bagasse to ethanol based on ammonia fiber expansion (AFEX) pretreatment. <i>Bioresource Technology</i> , 2010 , 101, 1285-92	11	197
42	Comparative metabolomic analysis on industrial continuous and batch ethanol fermentation processes by GC-TOF-MS. <i>Metabolomics</i> , 2009 , 5, 229-238	4.7	52
41	Optimization of enzymatic hydrolysis and ethanol fermentation from AFEX-treated rice straw. <i>Applied Microbiology and Biotechnology</i> , 2009 , 84, 667-76	5.7	138
40	Proteomic insights into adaptive responses of <i>Saccharomyces cerevisiae</i> to the repeated vacuum fermentation. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 909-23	5.7	19

39	Inoculation-density-dependent responses and pathway shifts in <i>Saccharomyces cerevisiae</i> . <i>Proteomics</i> , 2009 , 9, 4704-13	4.8	17
38	Molecular responses of phospholipids of <i>Taxus cuspidata</i> (Japanese yew) to hydrodynamic shear stress in bubble columns. <i>Biotechnology and Applied Biochemistry</i> , 2009 , 53, 265-75	2.8	6
37	Analysis of phospholipids, sterols, and fatty acids in <i>Taxus chinensis</i> var. <i>mairei</i> cells in response to shear stress. <i>Biotechnology and Applied Biochemistry</i> , 2009 , 54, 105-12	2.8	13
36	Lipidomic analysis reveals differential defense responses of <i>Taxus cuspidata</i> cells to two elicitors, methyl jasmonate and cerium (Ce ⁴⁺). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008 , 1781, 123-34	5	31
35	Comparative proteome analysis of robust <i>Saccharomyces cerevisiae</i> insights into industrial continuous and batch fermentation. <i>Applied Microbiology and Biotechnology</i> , 2008 , 81, 327-38	5.7	24
34	Salicylic acid-induced taxol production and isopentenyl pyrophosphate biosynthesis in suspension cultures of <i>Taxus chinensis</i> var. <i>mairei</i> . <i>Cell Biology International</i> , 2007 , 31, 1179-83	4.5	44
33	Effects of Propionate on Streptolydigin Production and Carbon Flux Distribution in <i>Streptomyces lydicus</i> AS 4.2501. <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 143-149	3.2	8
32	Nitrogen Sources Affect Streptolydigin Production and Related Secondary Metabolites Distribution of <i>Streptomyces lydicus</i> AS 4.2501. <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 403-410	3.2	10
31	Integration of wavelet transform with PCA and ANN for metabolomics data-mining. <i>Metabolomics</i> , 2007 , 3, 531-537	4.7	27
30	Neural networks modeling signal responses and taxol production of cultured <i>Taxus chinensis</i> cells induced by bio-elicitor. <i>Frontiers of Chemical Engineering in China</i> , 2007 , 1, 118-122		3
29	Nitric oxide mediates inactivation of glutathione S-transferase in suspension culture of <i>Taxus cuspidata</i> during shear stress. <i>Journal of Biotechnology</i> , 2006 , 123, 185-92	3.7	23
28	Proteomic analysis reveals the spatial heterogeneity of immobilized <i>Taxus cuspidata</i> cells in support matrices. <i>Proteomics</i> , 2006 , 6, 2199-207	4.8	21
27	Antioxidant activities of <i>Salvia miltiorrhiza</i> and <i>Panax notoginseng</i> . <i>Food Chemistry</i> , 2006 , 99, 767-774	8.5	202
26	Ce(4+) induced down-regulation of ERK-like MAPK and activation of nucleases during the apoptosis of cultured <i>Taxus cuspidata</i> cells. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 167-77	4.2	8
25	Functional analysis of type II thioesterase of <i>Streptomyces lydicus</i> AS 4.2501. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 135, 145-58	3.2	13
24	Spatio-temporal distributions of metal ions and Taxol of <i>Taxus cuspidata</i> cells immobilized on polyurethane foam. <i>Biotechnology Letters</i> , 2006 , 28, 29-32	3	7
23	Abnormal mitosis versus apoptosis of <i>Taxus cuspidata</i> induced by oleic acid in two-liquid-phase suspension cultures. <i>Enzyme and Microbial Technology</i> , 2005 , 37, 76-81	3.8	8
22	Antioxidant responses to oleic acid in two-liquid-phase suspension cultures of <i>Taxus cuspidata</i> . <i>Applied Biochemistry and Biotechnology</i> , 2005 , 125, 11-26	3.2	12

21	Reactive oxygen species, cell growth, and taxol production of <i>Taxus cuspidata</i> cells immobilized on polyurethane foam. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 127, 173-85	3.2	5
20	Amplification loop cascade for increasing caspase activity induced by docetaxel. <i>Journal of Cellular Biochemistry</i> , 2005 , 96, 810-20	4.7	17
19	Ce ⁴⁺ -stimulated ion fluxes are responsible for apoptosis and taxol biosynthesis in suspension cultures of <i>Taxus</i> cells. <i>Biotechnology and Bioprocess Engineering</i> , 2005 , 10, 109-114	3.1	6
18	Effects of organic solvents on membrane of <i>Taxus cuspidata</i> cells in. <i>Plant Cell, Tissue and Organ Culture</i> , 2004 , 79, 63-69	2.7	24
17	Induction studies of methyl jasmonate and salicylic acid on taxane production in suspension cultures of <i>Taxus chinensis</i> var. <i>mairei</i> . <i>Biochemical Engineering Journal</i> , 2004 , 19, 259-265	4.2	60
16	Enhanced Extraction of Alkaloids from <i>Sophora alopecuroides</i> L. by Ion Exchange at Reduced Pressure. <i>Journal of Chemical Engineering of Japan</i> , 2004 , 37, 106-108	0.8	1
15	Translocation of isopentenyl pyrophosphate for Taxol biosynthesis in suspension cultures of <i>Taxus chinensis</i> var. <i>mairei</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2003 , 74, 283-288	2.7	7
14	Production of L-methionine by immobilized pellets of <i>Aspergillus oryzae</i> in a packed bed reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2002 , 77, 602-606	3.5	5
13	Differentiation of apoptotic and necrotic cells in suspension cultures of <i>Taxus cuspidata</i> by the combined use of fluorescent dying and histochemical staining methods. <i>Biotechnology Letters</i> , 2002 , 24, 71-76	3	23
12	A model for signal transduction in suspension cultures of <i>Taxus chinensis</i> var. <i>mairei</i> induced by an oligosaccharide from <i>Fusarium oxysporum</i> . <i>Biotechnology Letters</i> , 2002 , 24, 407-412	3	2
11	Apoptotic cell death in suspension cultures of <i>Taxus chinensis</i> var. <i>mairei</i> . <i>Biotechnology Letters</i> , 2002 , 24, 573-577	3	8
10	Taxol-induced apoptotic cell death in suspension cultures of <i>Taxus cuspidata</i> . <i>Biotechnology Letters</i> , 2002 , 24, 615-618	3	3
9	Immobilization of an L-aminoacylase-producing strain of <i>Aspergillus oryzae</i> into gelatin pellets and its application in the resolution of D,L-methionine. <i>Biotechnology and Applied Biochemistry</i> , 2002 , 35, 107-113	2.8	6
8	Isolation of differential genes in suspension cultures of <i>Taxus cuspidata</i> induced by additional taxol. <i>Molecular Biotechnology</i> , 2002 , 20, 137-43	3	1
7	Improved Taxol production in suspension cultures of <i>Taxus chinensis</i> var. <i>mairei</i> by in situ extraction combined with precursor feeding and additional carbon source introduction in an airlift loop reactor. <i>Biotechnology Letters</i> , 2001 , 23, 1659-1662	3	16
6	THE FUZZY NEURAL NETWORK CONTROLLER IN YEAST FED-BATCH FERMENTATION. <i>Chemical Engineering Communications</i> , 1999 , 174, 167-183	2.2	4
5	Orthogonality of redesigned tRNA molecules with three stop codons. <i>Chinese Journal of Chemistry</i> , 2001 , 23, 1659-1662	4.9	2
4	Robust data storage in DNA by de Bruijn graph-based decoding		1

3	Pathway engineering in yeast for synthesizing the complex polyketide bikaverin		2
2	Effects of different surfactants on the degradation of petroleum hydrocarbons by mixed-bacteria. <i>Journal of Chemical Technology and Biotechnology,</i>	3.5	1
1	Directed yeast genome evolution by controlled introduction of trans-chromosomal structural variations. <i>Science China Life Sciences,</i>	8.5	1