

Guocheng Du

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303
papers

5,753
citations

39
h-index

55
g-index

340
ext. papers

7,649
ext. citations

5.9
avg, IF

6.32
L-index

#	Paper	IF	Citations
303	Microbial production of hyaluronic acid: current state, challenges, and perspectives. <i>Microbial Cell Factories</i> , 2011 , 10, 99	6.4	215
302	Metabolic engineering in the biotechnological production of organic acids in the tricarboxylic acid cycle of microorganisms: Advances and prospects. <i>Biotechnology Advances</i> , 2015 , 33, 830-41	17.8	128
301	Enhancing flavonoid production by systematically tuning the central metabolic pathways based on a CRISPR interference system in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2015 , 5, 13477	4.9	118
300	Modular pathway engineering of <i>Bacillus subtilis</i> for improved N-acetylglucosamine production. <i>Metabolic Engineering</i> , 2014 , 23, 42-52	9.7	113
299	Advances and prospects of <i>Bacillus subtilis</i> cellular factories: From rational design to industrial applications. <i>Metabolic Engineering</i> , 2018 , 50, 109-121	9.7	95
298	Combinatorial pathway enzyme engineering and host engineering overcomes pyruvate overflow and enhances overproduction of N-acetylglucosamine in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2019 , 18, 1	6.4	84
297	Production of specific-molecular-weight hyaluronan by metabolically engineered <i>Bacillus subtilis</i> 168. <i>Metabolic Engineering</i> , 2016 , 35, 21-30	9.7	74
296	Spatial modulation of key pathway enzymes by DNA-guided scaffold system and respiration chain engineering for improved N-acetylglucosamine production by <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2014 , 24, 61-9	9.7	65
295	Characterization and application of endogenous phase-dependent promoters in <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 4151-4161	5.7	60
294	Optimization of the heme biosynthesis pathway for the production of 5-aminolevulinic acid in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2015 , 5, 8584	4.9	59
293	Fate of antibiotics, antibiotic-resistant bacteria, and cell-free antibiotic-resistant genes in full-scale membrane bioreactor wastewater treatment plants. <i>Bioresource Technology</i> , 2020 , 302, 122825	11	59
292	Fine-Tuning of the Fatty Acid Pathway by Synthetic Antisense RNA for Enhanced (2S)-Naringenin Production from l-Tyrosine in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7283-92	4.8	58
291	Modular optimization of heterologous pathways for de novo synthesis of (2S)-naringenin in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2014 , 9, e101492	3.7	57
290	Design of a programmable biosensor-CRISPRi genetic circuits for dynamic and autonomous dual-control of metabolic flux in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2020 , 48, 996-1009	20.1	57
289	Pathway engineering of <i>Bacillus subtilis</i> for microbial production of N-acetylglucosamine. <i>Metabolic Engineering</i> , 2013 , 19, 107-15	9.7	56
288	Efficient biosynthesis of polysaccharides chondroitin and heparosan by metabolically engineered <i>Bacillus subtilis</i> . <i>Carbohydrate Polymers</i> , 2016 , 140, 424-32	10.3	55
287	Microbial response to environmental stresses: from fundamental mechanisms to practical applications. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3991-4008	5.7	54

286	Coupling feedback genetic circuits with growth phenotype for dynamic population control and intelligent bioproduction. <i>Metabolic Engineering</i> , 2019 , 54, 109-116	9.7	54
285	CRISPRi allows optimal temporal control of N-acetylglucosamine bioproduction by a dynamic coordination of glucose and xylose metabolism in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2018 , 49, 232-241	9.7	54
284	Recent advances in discovery, heterologous expression, and molecular engineering of cyclodextrin glycosyltransferase for versatile applications. <i>Biotechnology Advances</i> , 2014 , 32, 415-28	17.8	53
283	Metabolic engineering of <i>Bacillus subtilis</i> fueled by systems biology: Recent advances and future directions. <i>Biotechnology Advances</i> , 2017 , 35, 20-30	17.8	53
282	Stepwise metabolic engineering of <i>Gluconobacter oxydans</i> WSH-003 for the direct production of 2-keto-L-gulonic acid from D-sorbitol. <i>Metabolic Engineering</i> , 2014 , 24, 30-7	9.7	52
281	Engineering a Bifunctional Phr60-Rap60-Spo0A Quorum-Sensing Molecular Switch for Dynamic Fine-Tuning of Menaquinone-7 Synthesis in. <i>ACS Synthetic Biology</i> , 2019 , 8, 1826-1837	5.7	49
280	Regulation of Sensing, Transportation, and Catabolism of Nitrogen Sources in <i>Saccharomyces cerevisiae</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2018 , 82,	13.2	49
279	Obtaining a Panel of Cascade Promoter-5SUTR Complexes in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2017 , 6, 1065-1075	5.7	48
278	Keratinolytic protease: a green biocatalyst for leather industry. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 7771-7779	5.7	48
277	Enhancement of Eketoglutarate production in <i>Torulopsis glabrata</i> : Redistribution of carbon flux from pyruvate to Eketoglutarate. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 134-139	3.1	48
276	Rewiring the reductive tricarboxylic acid pathway and L-malate transport pathway of <i>Aspergillus oryzae</i> for overproduction of L-malate. <i>Journal of Biotechnology</i> , 2017 , 253, 1-9	3.7	47
275	Biotechnological production of alpha-keto acids: Current status and perspectives. <i>Bioresource Technology</i> , 2016 , 219, 716-724	11	46
274	Piggery wastewater treatment by aerobic granular sludge: Granulation process and antibiotics and antibiotic-resistant bacteria removal and transport. <i>Bioresource Technology</i> , 2019 , 273, 350-357	11	45
273	Synthetic Biology Toolbox and Chassis Development in <i>Bacillus subtilis</i> . <i>Trends in Biotechnology</i> , 2019 , 37, 548-562	15.1	45
272	Improved production of 2,5-furandicarboxylic acid by overexpression of 5-hydroxymethylfurfural oxidase and 5-hydroxymethylfurfural/furfural oxidoreductase in <i>Raoultella ornithinolytica</i> BF60. <i>Bioresource Technology</i> , 2018 , 247, 1184-1188	11	43
271	Novel fermentation processes for manufacturing plant natural products. <i>Current Opinion in Biotechnology</i> , 2014 , 25, 17-23	11.4	43
270	Microbial Chassis Development for Natural Product Biosynthesis. <i>Trends in Biotechnology</i> , 2020 , 38, 779-796	19.6	42
269	High-level extracellular production of alkaline polygalacturonate lyase in <i>Bacillus subtilis</i> with optimized regulatory elements. <i>Bioresource Technology</i> , 2013 , 146, 543-548	11	42

268	Enhanced extracellular production of L-asparaginase from <i>Bacillus subtilis</i> 168 by <i>B. subtilis</i> WB600 through a combined strategy. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 1509-1520	5.7	41
267	Production of phenylpyruvic acid from L-phenylalanine using an L-amino acid deaminase from <i>Proteus mirabilis</i> : comparison of enzymatic and whole-cell biotransformation approaches. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 8391-402	5.7	40
266	Improved production of propionic acid in <i>Propionibacterium jensenii</i> via combinational overexpression of glycerol dehydrogenase and malate dehydrogenase from <i>Klebsiella pneumoniae</i> . <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2256-64	4.8	40
265	Rational Design to Improve Protein Thermostability: Recent Advances and Prospects. <i>ChemBioEng Reviews</i> , 2015 , 2, 87-94	5.2	40
264	Bioconversion of L-glutamic acid to ̢-ketoglutaric acid by an immobilized whole-cell biocatalyst expressing L-amino acid deaminase from <i>Proteus mirabilis</i> . <i>Journal of Biotechnology</i> , 2014 , 169, 112-20	3.7	39
263	High-yield novel leech hyaluronidase to expedite the preparation of specific hyaluronan oligomers. <i>Scientific Reports</i> , 2014 , 4, 4471	4.9	38
262	A dynamic pathway analysis approach reveals a limiting futile cycle in N-acetylglucosamine overproducing <i>Bacillus subtilis</i> . <i>Nature Communications</i> , 2016 , 7, 11933	17.4	38
261	Protein and metabolic engineering for the production of organic acids. <i>Bioresource Technology</i> , 2017 , 239, 412-421	11	37
260	Significantly improving the yield of recombinant proteins in <i>Bacillus subtilis</i> by a novel powerful mutagenesis tool (ARTP): Alkaline ̢-amylase as a case study. <i>Protein Expression and Purification</i> , 2015 , 114, 82-8	2	37
259	Application of response surface methodology in medium optimization for spore production of <i>Coniothyrium minitans</i> in solid-state fermentation. <i>World Journal of Microbiology and Biotechnology</i> , 2005 , 21, 593-599	4.4	37
258	P, a Low-pH-Induced Promoter, as a Tool for Dynamic Control of Gene Expression for Metabolic Engineering of <i>Aspergillus niger</i> . <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	35
257	Construction and Characterization of Broad-Spectrum Promoters for Synthetic Biology. <i>ACS Synthetic Biology</i> , 2018 , 7, 287-291	5.7	35
256	Engineering a Glucosamine-6-phosphate Responsive glmS Ribozyme Switch Enables Dynamic Control of Metabolic Flux in <i>Bacillus subtilis</i> for Overproduction of N-Acetylglucosamine. <i>ACS Synthetic Biology</i> , 2018 , 7, 2423-2435	5.7	35
255	Improved propionic acid production from glycerol with metabolically engineered <i>Propionibacterium jensenii</i> by integrating fed-batch culture with a pH-shift control strategy. <i>Bioresource Technology</i> , 2014 , 152, 519-25	11	35
254	Pyruvate-responsive genetic circuits for dynamic control of central metabolism. <i>Nature Chemical Biology</i> , 2020 , 16, 1261-1268	11.7	34
253	Synthetic redesign of central carbon and redox metabolism for high yield production of N-acetylglucosamine in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2019 , 51, 59-69	9.7	34
252	Isolation and Culture Characterization of a New Polyvinyl Alcohol-Degrading Strain: <i>Penicillium</i> sp. WSH02-21. <i>World Journal of Microbiology and Biotechnology</i> , 2004 , 20, 587-591	4.4	33
251	5-Aminolevulinic acid production from inexpensive glucose by engineering the C4 pathway in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 1127-1135	4.2	32

250	Metabolic Engineering of <i>Raoultella ornithinolytica</i> BF60 for Production of 2,5-Furandicarboxylic Acid from 5-Hydroxymethylfurfural. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	32
249	Comparative genomics and transcriptome analysis of <i>Aspergillus niger</i> and metabolic engineering for citrate production. <i>Scientific Reports</i> , 2017 , 7, 41040	4.9	32
248	Enhancement of the catalytic efficiency and thermostability of <i>Stenotrophomonas</i> sp. keratinase KerSMD by domain exchange with KerSMF. <i>Microbial Biotechnology</i> , 2016 , 9, 35-46	6.3	32
247	Metabolic engineering of carbon overflow metabolism of <i>Bacillus subtilis</i> for improved N-acetyl-glucosamine production. <i>Bioresource Technology</i> , 2018 , 250, 642-649	11	32
246	Effective biodegradation of chicken feather waste by co-cultivation of keratinase producing strains. <i>Microbial Cell Factories</i> , 2019 , 18, 84	6.4	31
245	Metabolic engineering of <i>Escherichia coli</i> BL21 (DE3) for de novo production of L-DOPA from D-glucose. <i>Microbial Cell Factories</i> , 2019 , 18, 74	6.4	31
244	Combinatorial Evolution of Enzymes and Synthetic Pathways Using One-Step PCR. <i>ACS Synthetic Biology</i> , 2016 , 5, 259-68	5.7	30
243	Synthetic N-terminal coding sequences for fine-tuning gene expression and metabolic engineering in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2019 , 55, 131-141	9.7	30
242	Systems metabolic engineering of microorganisms to achieve large-scale production of flavonoid scaffolds. <i>Journal of Biotechnology</i> , 2014 , 188, 72-80	3.7	30
241	CRISPRi-Guided Multiplexed Fine-Tuning of Metabolic Flux for Enhanced Lacto--neotetraose Production in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 2477-2484	5.7	29
240	Keratin Waste Recycling Based on Microbial Degradation: Mechanisms and Prospects. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9727-9736	8.3	28
239	Evolutionary engineering of industrial microorganisms-strategies and applications. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 4615-4627	5.7	28
238	Analysis of the chemical composition of cotton seed coat by Fourier-transform infrared (FT-IR) microspectroscopy. <i>Cellulose</i> , 2009 , 16, 1099-1107	5.5	28
237	Metabolic engineering of acid resistance elements to improve acid resistance and propionic acid production of <i>Propionibacterium jensenii</i> . <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1294-304	4.9	28
236	Recent advances in production of 5-aminolevulinic acid using biological strategies. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 200	4.4	27
235	Microbial production of sialic acid and sialylated human milk oligosaccharides: Advances and perspectives. <i>Biotechnology Advances</i> , 2019 , 37, 787-800	17.8	27
234	Modular pathway engineering of key carbon-precursor supply-pathways for improved N-acetylneuraminic acid production in <i>Bacillus subtilis</i> . <i>Biotechnology and Bioengineering</i> , 2018 , 115, 2214-2231 ²⁷	4.9	27
233	Enhanced thermal stability and specific activity of <i>Pseudomonas aeruginosa</i> lipoxygenase by fusing with self-assembling amphipathic peptides. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 9419-27	5.7	27

232	Engineering of multiple modular pathways for high-yield production of 5-aminolevulinic acid in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2019 , 274, 353-360	11	27
231	Spatial organization of silybin biosynthesis in milk thistle [<i>Silybum marianum</i> (L.) Gaertn]. <i>Plant Journal</i> , 2017 , 92, 995-1004	6.9	26
230	Comparative metabolomics analysis of the key metabolic nodes in propionic acid synthesis in <i>Propionibacterium acidipropionici</i> . <i>Metabolomics</i> , 2015 , 11, 1106-1116	4.7	26
229	Identification of membrane proteins associated with phenylpropanoid tolerance and transport in <i>Escherichia coli</i> BL21. <i>Journal of Proteomics</i> , 2015 , 113, 15-28	3.9	26
228	Eliminating the capsule-like layer to promote glucose uptake for hyaluronan production by engineered <i>Corynebacterium glutamicum</i> . <i>Nature Communications</i> , 2020 , 11, 3120	17.4	26
227	Production of glucaric acid from myo-inositol in engineered <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , 2016 , 91, 8-16	3.8	26
226	Combinatorial synthetic pathway fine-tuning and comparative transcriptomics for metabolic engineering of <i>Raoultella ornithinolytica</i> BF60 to efficiently synthesize 2,5-furandicarboxylic acid. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 2148-2155	4.9	26
225	Enhanced production of L-sorbose from D-sorbitol by improving the mRNA abundance of sorbitol dehydrogenase in <i>Gluconobacter oxydans</i> WSH-003. <i>Microbial Cell Factories</i> , 2014 , 13, 146	6.4	26
224	Effects of biosurfactants produced by <i>Candida antarctica</i> on the biodegradation of petroleum compounds. <i>World Journal of Microbiology and Biotechnology</i> , 2004 , 20, 25-29	4.4	26
223	Engineering the Substrate Transport and Cofactor Regeneration Systems for Enhancing 2SFucosyllactose Synthesis in. <i>ACS Synthetic Biology</i> , 2019 , 8, 2418-2427	5.7	25
222	One-step biosynthesis of β -ketoisocaproate from L-leucine by an <i>Escherichia coli</i> whole-cell biocatalyst expressing an L-amino acid deaminase from <i>Proteus vulgaris</i> . <i>Scientific Reports</i> , 2015 , 5, 12614	4.9	25
221	Improved propionic acid production with metabolically engineered <i>Propionibacterium jensenii</i> by an oxidoreduction potential-shift control strategy. <i>Bioresource Technology</i> , 2015 , 175, 606-12	11	25
220	Combinatorial promoter engineering of glucokinase and phosphoglucosomerase for improved N-acetylglucosamine production in <i>Bacillus subtilis</i> . <i>Bioresource Technology</i> , 2017 , 245, 1093-1102	11	25
219	Characterization of a <i>Lactobacillus brevis</i> strain with potential oral probiotic properties. <i>BMC Microbiology</i> , 2018 , 18, 221	4.5	25
218	Comparative genomics and transcriptomics analysis-guided metabolic engineering of <i>Propionibacterium acidipropionici</i> for improved propionic acid production. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 483-494	4.9	24
217	Combination of phenylpyruvic acid (PPA) pathway engineering and molecular engineering of L-amino acid deaminase improves PPA production with an <i>Escherichia coli</i> whole-cell biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2183-91	5.7	24
216	Rewiring the Glucose Transportation and Central Metabolic Pathways for Overproduction of N-Acetylglucosamine in <i>Bacillus subtilis</i> . <i>Biotechnology Journal</i> , 2017 , 12, 1700020	5.6	24
215	Efficient production of l-sorbose from d-sorbitol by whole cell immobilization of <i>Gluconobacter oxydans</i> WSH-003. <i>Biochemical Engineering Journal</i> , 2013 , 77, 171-176	4.2	24

214	Recent advances of molecular toolbox construction expand <i>Pichia pastoris</i> in synthetic biology applications. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 19	4.4	23
213	Identification and application of keto acids transporters in <i>Yarrowia lipolytica</i> . <i>Scientific Reports</i> , 2015 , 5, 8138	4.9	23
212	Bio-Based Strategies for Producing Glycosaminoglycans and Their Oligosaccharides. <i>Trends in Biotechnology</i> , 2018 , 36, 806-818	15.1	23
211	Improved production of α -ketoglutaric acid (KGA) by a <i>Bacillus subtilis</i> whole-cell biocatalyst via engineering of L-amino acid deaminase and deletion of the KGA utilization pathway. <i>Journal of Biotechnology</i> , 2014 , 187, 71-7	3.7	23
210	An optimal glucose feeding strategy integrated with step-wise regulation of the dissolved oxygen level improves N-acetylglucosamine production in recombinant <i>Bacillus subtilis</i> . <i>Bioresource Technology</i> , 2015 , 177, 387-92	11	23
209	Comparative proteomic analysis of <i>Saccharomyces cerevisiae</i> under different nitrogen sources. <i>Journal of Proteomics</i> , 2014 , 101, 102-12	3.9	23
208	One-step biosynthesis of α -keto- β -methylthiobutyric acid from L-methionine by an <i>Escherichia coli</i> whole-cell biocatalyst expressing an engineered L-amino acid deaminase from <i>Proteus vulgaris</i> . <i>PLoS ONE</i> , 2014 , 9, e114291	3.7	23
207	Reactivation and pilot-scale application of long-term storage denitrification biofilm based on flow cytometry. <i>Water Research</i> , 2019 , 148, 368-377	12.5	23
206	Enzymatic production of specifically distributed hyaluronan oligosaccharides. <i>Carbohydrate Polymers</i> , 2015 , 129, 194-200	10.3	22
205	Improving the active expression of transglutaminase in <i>Streptomyces lividans</i> by promoter engineering and codon optimization. <i>BMC Biotechnology</i> , 2016 , 16, 75	3.5	22
204	DATEL: A Scarless and Sequence-Independent DNA Assembly Method Using Thermostable Exonucleases and Ligase. <i>ACS Synthetic Biology</i> , 2016 , 5, 1028-32	5.7	22
203	The application of powerful promoters to enhance gene expression in industrial microorganisms. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 23	4.4	21
202	CAMERS-B: CRISPR/Cpf1 assisted multiple-genes editing and regulation system for <i>Bacillus subtilis</i> . <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1817-1825	4.9	21
201	Current challenges facing one-step production of l-ascorbic acid. <i>Biotechnology Advances</i> , 2018 , 36, 1882-1899	11.8	21
200	Enzymatic transformation of 2-O- β -D-glucopyranosyl-L-ascorbic acid by β -cyclodextrin glucanotransferase from recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 107-113	3.1	21
199	Metabolic engineering of cofactor flavin adenine dinucleotide (FAD) synthesis and regeneration in <i>Escherichia coli</i> for production of α -keto acids. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 1928-1936	4.9	20
198	Molecular engineering of chitinase from <i>Bacillus</i> sp. DAU101 for enzymatic production of chitoooligosaccharides. <i>Enzyme and Microbial Technology</i> , 2019 , 124, 54-62	3.8	20
197	Construction of a novel, stable, food-grade expression system by engineering the endogenous toxin-antitoxin system in <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2016 , 219, 40-7	3.7	20

196	Adaptive Evolution Relieves Nitrogen Catabolite Repression and Decreases Urea Accumulation in Cultures of the Chinese Rice Wine Yeast Strain <i>Saccharomyces cerevisiae</i> XZ-11. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 9061-9069	5.7	20
195	Pathway engineering of <i>Propionibacterium jensenii</i> for improved production of propionic acid. <i>Scientific Reports</i> , 2016 , 6, 19963	4.9	20
194	Modular pathway engineering of key precursor supply pathways for lacto--neotetraose production in. <i>Biotechnology for Biofuels</i> , 2019 , 12, 212	7.8	19
193	A microbial-enzymatic strategy for producing chondroitin sulfate glycosaminoglycans. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 1561-1570	4.9	19
192	Recent advances in enhanced enzyme activity, thermostability and secretion by N-glycosylation regulation in yeast. <i>Biotechnology Letters</i> , 2018 , 40, 847-854	3	19
191	Creating an in vivo bifunctional gene expression circuit through an aptamer-based regulatory mechanism for dynamic metabolic engineering in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2019 , 55, 179-190	9.7	19
190	Biotransformation of keratin waste to amino acids and active peptides based on cell-free catalysis. <i>Biotechnology for Biofuels</i> , 2020 , 13, 61	7.8	19
189	Multivariate modular engineering of the protein secretory pathway for production of heterologous glucose oxidase in <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , 2015 , 68, 33-42	3.8	18
188	Combining genetically-encoded biosensors with high throughput strain screening to maximize erythritol production in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2020 , 60, 66-76	9.7	18
187	Characterization of mutants of a tyrosine ammonia-lyase from <i>Rhodotorula glutinis</i> . <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 10443-10452	5.7	18
186	Improved catalytic efficiency, thermophilicity, anti-salt and detergent tolerance of keratinase KerSMD by partially truncation of PPC domain. <i>Scientific Reports</i> , 2016 , 6, 27953	4.9	18
185	Optimization of Cultivation Conditions for the Production of β -Cyclodextrin Glucanotransferase by <i>Bacillus macorous</i> . <i>Food Biotechnology</i> , 2004 , 18, 251-264	2.2	18
184	Construction and development of a novel expression system of <i>Streptomyces</i> . <i>Protein Expression and Purification</i> , 2015 , 113, 17-22	2	17
183	Insight into the substrate specificity of keratinase KerSMD from <i>Stenotrophomonas maltophilia</i> by site-directed mutagenesis studies in the S1 pocket. <i>RSC Advances</i> , 2015 , 5, 74953-74960	3.7	17
182	Cell Membrane and Electron Transfer Engineering for Improved Synthesis of Menaquinone-7 in <i>Bacillus subtilis</i> . <i>iScience</i> , 2020 , 23, 100918	6.1	17
181	Rapid evolution of hyaluronan synthase to improve hyaluronan production and molecular mass in <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2016 , 38, 2103-2108	3	17
180	Synergistic Rewiring of Carbon Metabolism and Redox Metabolism in Cytoplasm and Mitochondria of <i>Aspergillus oryzae</i> for Increased L-Malate Production. <i>ACS Synthetic Biology</i> , 2018 , 7, 2139-2147	5.7	17
179	Mixed culture of nitrifying bacteria and denitrifying bacteria for simultaneous nitrification and denitrification. <i>World Journal of Microbiology and Biotechnology</i> , 2003 , 19, 433-437	4.4	17

178	A high-throughput screening procedure for enhancing pyruvate production in <i>Candida glabrata</i> by random mutagenesis. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 693-701	3.7	16
177	New insight into the catalytic properties of bile salt hydrolase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013 , 96, 46-51		16
176	Preparation and characterization of hyaluronan/chitosan scaffold cross- linked by 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide. <i>Polymer International</i> , 2007 , 56, 738-745	3.3	16
175	Effects of dissolved oxygen concentration and DO-stat feeding strategy on CoQ10 production with <i>Rhizobium radiobacter</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2003 , 19, 925-928	4.4	16
174	Engineering enzymatic cascades for the efficient biotransformation of eugenol and taxifolin to silybin and isosilybin. <i>Green Chemistry</i> , 2019 , 21, 1660-1667	10	15
173	Overproduction of pro-transglutaminase from <i>Streptomyces hygroscopicus</i> in <i>Yarrowia lipolytica</i> and its biochemical characterization. <i>BMC Biotechnology</i> , 2015 , 15, 75	3.5	15
172	The fungal laccase-catalyzed oxidation of EGCG and the characterization of its products. <i>Journal of the Science of Food and Agriculture</i> , 2015 , 95, 2686-92	4.3	15
171	Transporter engineering and enzyme evolution for pyruvate production from D/L-alanine with a whole-cell biocatalyst expressing L-amino acid deaminase from <i>Proteus mirabilis</i> . <i>RSC Advances</i> , 2016 , 6, 82676-82684	3.7	15
170	A multifunctional tag with the ability to benefit the expression, purification, thermostability and activity of recombinant proteins. <i>Journal of Biotechnology</i> , 2018 , 283, 1-10	3.7	15
169	Enhanced acid-stress tolerance in <i>Lactococcus lactis</i> NZ9000 by overexpression of ABC transporters. <i>Microbial Cell Factories</i> , 2019 , 18, 136	6.4	15
168	Developing <i>Aspergillus niger</i> as a cell factory for food enzyme production. <i>Biotechnology Advances</i> , 2020 , 44, 107630	17.8	15
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13	Chitin deacetylase: from molecular structure to practical applications. <i>Systems Microbiology and Biomanufacturing</i> , 1		0
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