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268 papers	6,075 citations	41 h-index	60 g-index
300 ext. papers	7,843 ext. citations	6.2 avg, IF	6.33 L-index

#	Paper	IF	Citations
268	Microbial production of hyaluronic acid: current state, challenges, and perspectives. <i>Microbial Cell Factories</i> , 2011 , 10, 99	6.4	215
267	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
266	CRISPR/Cas9-Based Efficient Genome Editing in <i>Clostridium ljungdahlii</i> , an Autotrophic Gas-Fermenting Bacterium. <i>ACS Synthetic Biology</i> , 2016 , 5, 1355-1361	5.7	128
265	CRISPR-based genome editing and expression control systems in <i>Clostridium acetobutylicum</i> and <i>Clostridium beijerinckii</i> . <i>Biotechnology Journal</i> , 2016 , 11, 961-72	5.6	114
264	Modular pathway engineering of <i>Bacillus subtilis</i> for improved N-acetylglucosamine production. <i>Metabolic Engineering</i> , 2014 , 23, 42-52	9.7	113
263	Microbial response to acid stress: mechanisms and applications. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 51-65	5.7	104
262	How to achieve high-level expression of microbial enzymes: strategies and perspectives. <i>Bioengineered</i> , 2013 , 4, 212-23	5.7	103
261	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
260	Developing <i>Bacillus</i> spp. as a cell factory for production of microbial enzymes and industrially important biochemicals in the context of systems and synthetic biology. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 6113-27	5.7	91
259	Economical challenges to microbial producers of butanol: feedstock, butanol ratio and titer. <i>Biotechnology Journal</i> , 2011 , 6, 1348-57	5.6	91
258	Optimization and scale-up of propionic acid production by propionic acid-tolerant <i>Propionibacterium acidipropionici</i> with glycerol as the carbon source. <i>Bioresource Technology</i> , 2010 , 101, 8902-6	11	90
257	Reconstruction of xylose utilization pathway and regulons in Firmicutes. <i>BMC Genomics</i> , 2010 , 11, 255	4.5	87
256	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
255	Microbial production of glucosamine and N-acetylglucosamine: advances and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 6149-58	5.7	81
254	Microbial production of propionic acid from propionibacteria: current state, challenges and perspectives. <i>Critical Reviews in Biotechnology</i> , 2012 , 32, 374-81	9.4	68
253	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
252	L-Amino acid oxidases from microbial sources: types, properties, functions, and applications. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1507-15	5.7	57

251	Structure-based engineering of histidine residues in the catalytic domain of α -amylase from <i>Bacillus subtilis</i> for improved protein stability and catalytic efficiency under acidic conditions. <i>Journal of Biotechnology</i> , 2013 , 164, 59-66	3.7	57
250	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
249	Utilization of economical substrate-derived carbohydrates by solventogenic clostridia: pathway dissection, regulation and engineering. <i>Current Opinion in Biotechnology</i> , 2014 , 29, 124-31	11.4	56
248	Pathway engineering of <i>Bacillus subtilis</i> for microbial production of N-acetylglucosamine. <i>Metabolic Engineering</i> , 2013 , 19, 107-15	9.7	56
247	Metabolic engineering of <i>Escherichia coli</i> BL21 for biosynthesis of heparosan, a bioengineered heparin precursor. <i>Metabolic Engineering</i> , 2012 , 14, 521-7	9.7	56
246	Ammonium acetate enhances solvent production by <i>Clostridium acetobutylicum</i> EA 2018 using cassava as a fermentation medium. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009 , 36, 1225-32	4.2	56
245	Microbial response to environmental stresses: from fundamental mechanisms to practical applications. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3991-4008	5.7	54
244	Molecular engineering of industrial enzymes: recent advances and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 23-9	5.7	54
243	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
242	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
241	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
240	Systems-level understanding of how <i>Propionibacterium acidipropionici</i> respond to propionic acid stress at the microenvironment levels: mechanism and application. <i>Journal of Biotechnology</i> , 2013 , 167, 56-63	3.7	50
239	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
238	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
237	Improvement of xylose utilization in <i>Clostridium acetobutylicum</i> via expression of the talA gene encoding transaldolase from <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2009 , 143, 284-7	3.7	47
236	Molecular modulation of pleiotropic regulator CcpA for glucose and xylose coutilization by solvent-producing <i>Clostridium acetobutylicum</i> . <i>Metabolic Engineering</i> , 2015 , 28, 169-179	9.7	46
235	Biotechnological production of alpha-keto acids: Current status and perspectives. <i>Bioresource Technology</i> , 2016 , 219, 716-724	11	46
234	Redox-responsive repressor Rex modulates alcohol production and oxidative stress tolerance in <i>Clostridium acetobutylicum</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 3949-63	3.5	45

233	Synthetic Biology Toolbox and Chassis Development in <i>Bacillus subtilis</i> . <i>Trends in Biotechnology</i> , 2019 , 37, 548-562	15.1	45
232	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
231	Overproduction of alkaline polygalacturonate lyase in recombinant <i>Escherichia coli</i> by a two-stage glycerol feeding approach. <i>Bioresource Technology</i> , 2011 , 102, 10671-8	11	43
230	Coupling metabolic addiction with negative autoregulation to improve strain stability and pathway yield. <i>Metabolic Engineering</i> , 2020 , 61, 79-88	9.7	42
229	Microbial Chassis Development for Natural Product Biosynthesis. <i>Trends in Biotechnology</i> , 2020 , 38, 779-796	11.6	42
228	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
227	Functions, applications and production of 2-O-D-glucopyranosyl-L-ascorbic acid. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 313-20	5.7	41
226	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
225	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
224	Rational Design to Improve Protein Thermostability: Recent Advances and Prospects. <i>ChemBioEng Reviews</i> , 2015 , 2, 87-94	5.2	40
223	One-step production of ̢-ketoglutaric acid from glutamic acid with an engineered L-amino acid deaminase from <i>Proteus mirabilis</i> . <i>Journal of Biotechnology</i> , 2013 , 164, 97-104	3.7	40
222	Phage serine integrase-mediated genome engineering for efficient expression of chemical biosynthetic pathway in gas-fermenting <i>Clostridium ljungdahlii</i> . <i>Metabolic Engineering</i> , 2019 , 52, 293-302	9.7	40
221	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
220	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
219	Biocatalytic production of 2,5-furandicarboxylic acid: recent advances and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 527-543	5.7	38
218	Protein and metabolic engineering for the production of organic acids. <i>Bioresource Technology</i> , 2017 , 239, 412-421	11	37
217	Structure-based rational design and introduction of arginines on the surface of an alkaline ̢-amylase from <i>Alkalimonas amylolytica</i> for improved thermostability. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 8937-45	5.7	36
216	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

215	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
214	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
213	Structure-based engineering of methionine residues in the catalytic cores of alkaline amylase from <i>Alkalimonas amylolytica</i> for improved oxidative stability. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 7519-26	4.8	35
212	Enhanced hyaluronic acid production by a two-stage culture strategy based on the modeling of batch and fed-batch cultivation of <i>Streptococcus zooepidemicus</i> . <i>Bioresource Technology</i> , 2008 , 99, 8532-16	11	35
211	Enhanced alcohol titre and ratio in carbon monoxide-rich off-gas fermentation of <i>Clostridium carboxidivorans</i> through combination of trace metals optimization with variable-temperature cultivation. <i>Bioresource Technology</i> , 2017 , 239, 236-243	11	34
210	CRISPR-Cas12a-Mediated Gene Deletion and Regulation in and Its Application in Carbon Flux Redirection in Synthesis Gas Fermentation. <i>ACS Synthetic Biology</i> , 2019 , 8, 2270-2279	5.7	34
209	Pyruvate-responsive genetic circuits for dynamic control of central metabolism. <i>Nature Chemical Biology</i> , 2020 , 16, 1261-1268	11.7	34
208	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
207	Clostridia: a flexible microbial platform for the production of alcohols. <i>Current Opinion in Chemical Biology</i> , 2016 , 35, 65-72	9.7	33
206	In silico rational design and systems engineering of disulfide bridges in the catalytic domain of an alkaline α -amylase from <i>Alkalimonas amylolytica</i> to improve thermostability. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 798-807	4.8	33
205	I-SceI-mediated scarless gene modification via allelic exchange in <i>Clostridium</i> . <i>Journal of Microbiological Methods</i> , 2015 , 108, 49-60	2.8	33
204	Development of a <i>Propionibacterium-Escherichia coli</i> shuttle vector for metabolic engineering of <i>Propionibacterium jensenii</i> , an efficient producer of propionic acid. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 4595-602	4.8	33
203	Understanding of how <i>Propionibacterium acidipropionici</i> respond to propionic acid stress at the level of proteomics. <i>Scientific Reports</i> , 2014 , 4, 6951	4.9	32
202	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
201	Combined overexpression of genes involved in pentose phosphate pathway enables enhanced D-xylose utilization by <i>Clostridium acetobutylicum</i> . <i>Journal of Biotechnology</i> , 2014 , 173, 7-9	3.7	32
200	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
199	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
198	The promises and challenges of fusion constructs in protein biochemistry and enzymology. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 8273-81	5.7	30

197	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
196	Improved glucosamine and N-acetylglucosamine production by an engineered <i>Escherichia coli</i> via step-wise regulation of dissolved oxygen level. <i>Bioresource Technology</i> , 2012 , 110, 534-8	11	30
195	Enhanced glucosamine production by <i>Aspergillus</i> sp. BCRC 31742 based on the time-variant kinetics analysis of dissolved oxygen level. <i>Bioresource Technology</i> , 2012 , 111, 507-11	11	30
194	Fusion of an oligopeptide to the N terminus of an alkaline α -amylase from <i>Alkalimonas amylolytica</i> simultaneously improves the enzyme's catalytic efficiency, thermal stability, and resistance to oxidation. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3049-58	4.8	30
193	Heterologous expression, biochemical characterization, and overproduction of alkaline α -amylase from <i>Bacillus alcalophilus</i> in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2011 , 10, 77	6.4	30
192	Microbial production of low molecular weight hyaluronic acid by adding hydrogen peroxide and ascorbate in batch culture of <i>Streptococcus zooepidemicus</i> . <i>Bioresource Technology</i> , 2009 , 100, 362-7	11	30
191	CRISPRi-Guided Multiplexed Fine-Tuning of Metabolic Flux for Enhanced Lactate-neotetraose Production in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 2477-2484	5.7	29
190	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
189	Microbial production of sialic acid and sialylated human milk oligosaccharides: Advances and perspectives. <i>Biotechnology Advances</i> , 2019 , 37, 787-800	17.8	27
188	Engineering as a Chassis for Synthesis of Five Aromatic-Derived Natural Products and Chemicals. <i>ACS Synthetic Biology</i> , 2020 , 9, 2096-2106	5.7	27
187	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	4.9	27
186	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
185	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
184	Engineering the Substrate Transport and Cofactor Regeneration Systems for Enhancing 2-Fucosyllactose Synthesis in. <i>ACS Synthetic Biology</i> , 2019 , 8, 2418-2427	5.7	25
183	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
182	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
181	Refactoring Ehrlich Pathway for High-Yield 2-Phenylethanol Production in. <i>ACS Synthetic Biology</i> , 2020 , 9, 623-633	5.7	25
180	Synthetic biology, systems biology, and metabolic engineering of <i>Yarrowia lipolytica</i> toward a sustainable biorefinery platform. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 845-862	4.2	25

179	Combinatorial promoter engineering of glucokinase and phosphoglucosyltransferase for improved N-acetylglucosamine production in <i>Bacillus subtilis</i> . <i>Bioresource Technology</i> , 2017 , 245, 1093-1102	11	25
178	Site-saturation engineering of lysine 47 in cyclodextrin glycosyltransferase from <i>Paenibacillus macerans</i> to enhance substrate specificity towards maltodextrin for enzymatic synthesis of 2-O-D-glucopyranosyl-L-ascorbic acid (AA-2G). <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 5851-60	5.7	25
177	Complete genome sequence of <i>Clostridium carboxidivorans</i> P7(T), a syngas-fermenting bacterium capable of producing long-chain alcohols. <i>Journal of Biotechnology</i> , 2015 , 211, 44-5	3.7	24
176	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
175	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
174	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
173	Development of GRAS strains for nutraceutical production using systems and synthetic biology approaches: advances and prospects. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 139-150	9.4	23
172	A Flexible Binding Site Architecture Provides New Insights into CcpA Global Regulation in Gram-Positive Bacteria. <i>MBio</i> , 2017 , 8,	7.8	23
171	Boosting Secretion of Extracellular Protein by <i>Escherichia coli</i> via Cell Wall Perturbation. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	23
170	Improved production of ϵ -ketoglutaric acid (EKG) by a <i>Bacillus subtilis</i> whole-cell biocatalyst via engineering of L-amino acid deaminase and deletion of the EKG utilization pathway. <i>Journal of Biotechnology</i> , 2014 , 187, 71-7	3.7	23
169	Recent advances in recombinant protein expression by <i>Corynebacterium</i> , <i>Brevibacterium</i> , and <i>Streptomyces</i> : from transcription and translation regulation to secretion pathway selection. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 9597-608	5.7	23
168	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
167	One-step biosynthesis of ϵ -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
166	Significantly enhancing recombinant alkaline amylase production in by integration of a novel mutagenesis-screening strategy with systems-level fermentation optimization. <i>Journal of Biological Engineering</i> , 2016 , 10, 13	6.3	23
165	Systems engineering of tyrosine 195, tyrosine 260, and glutamine 265 in cyclodextrin glycosyltransferase from <i>Paenibacillus macerans</i> to enhance maltodextrin specificity for 2-O-(D)-glucopyranosyl-(L)-ascorbic acid synthesis. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 672-7	4.8	22
164	Toward metabolic engineering in the context of system biology and synthetic biology: advances and prospects. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 1109-18	5.7	22
163	Rapid Generation of Universal Synthetic Promoters for Controlled Gene Expression in Both Gas-Fermenting and Saccharolytic <i>Clostridium</i> Species. <i>ACS Synthetic Biology</i> , 2017 , 6, 1672-1678	5.7	21
162	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

161	Metabolic regulation in solventogenic clostridia: regulators, mechanisms and engineering. <i>Biotechnology Advances</i> , 2018 , 36, 905-914	17.8	21
160	Enzymatic transformation of 2-O- β -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
159	Metabolic engineering of cofactor flavin adenine dinucleotide (FAD) synthesis and regeneration in <i>Escherichia coli</i> for production of β -keto acids. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 1928-1936	4.9	20
158	Molecular engineering of chitinase from <i>Bacillus</i> sp. DAU101 for enzymatic production of chitooligosaccharides. <i>Enzyme and Microbial Technology</i> , 2019 , 124, 54-62	3.8	20
157	Developing an endogenous quorum-sensing based CRISPRi circuit for autonomous and tunable dynamic regulation of multiple targets in <i>Streptomyces</i> . <i>Nucleic Acids Research</i> , 2020 , 48, 8188-8202	20.1	20
156	Pathway engineering of <i>Propionibacterium jensenii</i> for improved production of propionic acid. <i>Scientific Reports</i> , 2016 , 6, 19963	4.9	20
155	Metabolic engineering strategies to enable microbial utilization of C1 feedstocks. <i>Nature Chemical Biology</i> , 2021 , 17, 845-855	11.7	20
154	Modular pathway engineering of key precursor supply pathways for lacto-neotetraose production in. <i>Biotechnology for Biofuels</i> , 2019 , 12, 212	7.8	19
153	Engineering propionibacteria as versatile cell factories for the production of industrially important chemicals: advances, challenges, and prospects. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 585-600	5.7	19
152	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
151	Enzymatic transformation of 2-O- β -glucopyranosyl-L-ascorbic acid (AA-2G) by immobilized β -cyclodextrin glucanotransferase from recombinant <i>Escherichia coli</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011 , 68, 223-229		19
150	A novel regulatory pathway consisting of a two-component system and an ABC-type transporter contributes to butanol tolerance in <i>Clostridium acetobutylicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 5011-5023	5.7	18
149	Optimization of glucose feeding approaches for enhanced glucosamine and N-acetylglucosamine production by an engineered <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012 , 39, 359-65	4.2	18
148	Iterative saturation mutagenesis of -6 subsite residues in cyclodextrin glycosyltransferase from <i>Paenibacillus macerans</i> to improve maltodextrin specificity for 2-O-D-glucopyranosyl-L-ascorbic acid synthesis. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 7562-8	4.8	18
147	Engineering <i>Clostridium ljungdahlii</i> as the gas-fermenting cell factory for the production of biofuels and biochemicals. <i>Current Opinion in Chemical Biology</i> , 2020 , 59, 54-61	9.7	17
146	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
145	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
144	Comparative study on the influence of dissolved oxygen control approaches on the microbial hyaluronic acid production of <i>Streptococcus zooepidemicus</i> . <i>Bioprocess and Biosystems Engineering</i> , 2009 , 32, 755-63	3.7	17

143	Generation of a fully erythromycin-sensitive strain of <i>Clostridioides difficile</i> using a novel CRISPR-Cas9 genome editing system. <i>Scientific Reports</i> , 2019 , 9, 8123	4.9	15
142	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
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140	Structure-based engineering of alkaline α -amylase from alkaliphilic <i>Alkalimonas amylolytica</i> for improved thermostability. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 3997-4007	5.7	15
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26	Developing an endogenous quorum-sensing based CRISPRi circuit for autonomous and tunable dynamic regulation of multiple targets in industrial <i>Streptomyces</i>		1
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2	Microbial Production of Functional Organic Acids 2019 , 45-73		
1	Analysis and modeling tools of metabolic flux 2022 , 45-68		