

Tao Chen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2197376/tao-chen-publications-by-year.pdf>

Version: 2024-04-23

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.

134
papers

2,734
citations

32
h-index

44
g-index

148
ext. papers

3,425
ext. citations

5
avg, IF

5.31
L-index

#	Paper	IF	Citations
134	Natural 5-Aminolevulinic Acid: Sources, Biosynthesis, Detection and Applications.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 841443	5.8	1
133	Development and characterization of a glycine biosensor system for fine-tuned metabolic regulation in Escherichia coli.. <i>Microbial Cell Factories</i> , 2022 , 21, 56	6.4	0
132	Interfacial engineering of polydimethylsiloxane based dielectric elastomers with excellent electromechanical properties via incorporating polyphenol encapsulated multiwalled carbon nanotube. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52084	2.9	0
131	Microbial extracellular electron transfer and strategies for engineering electroactive microorganisms. <i>Biotechnology Advances</i> , 2021 , 53, 107682	17.8	40
130	Enhanced 3-Hydroxypropionic Acid Production From Acetate the Malonyl-CoA Pathway in .. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 808258	5.8	0
129	Advances in biological production of acetoin: a comprehensive overview. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-22	9.4	3
128	Rational Engineering of for High-Level Production of Riboflavin. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 12241-12249	5.7	2
127	Cell Catalysis of Citrate to Itaconate by Engineered. <i>ACS Synthetic Biology</i> , 2021 , 10, 3017-3027	5.7	3
126	Advances in the Extraction, Purification and Detection of the Natural Product 1-Deoxynojirimycin. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 246-257	5.2	1
125	Enhanced Electromechanical Properties of Three-Phased Polydimethylsiloxane Nanocomposites via Surface Encapsulation of Barium Titanate and Multiwalled Carbon Nanotube with Polydopamine. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100046	3.9	4
124	Advances in biotechnological production of Alanine. <i>World Journal of Microbiology and Biotechnology</i> , 2021 , 37, 79	4.4	3
123	Transition Metal/Metal Oxide Interface (NiMoO ₄ /Ni ₄ Mo) Stabilized on N-Doped Carbon Paper for Enhanced Hydrogen Evolution Reaction in Alkaline Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5145-5150	3.9	6
122	Improving diacetyl production in <i>Corynebacterium glutamicum</i> via modifying respiratory chain. <i>Journal of Biotechnology</i> , 2021 , 332, 20-28	3.7	0
121	Genetic Diversity for Accelerating Microbial Adaptive Laboratory Evolution. <i>ACS Synthetic Biology</i> , 2021 , 10, 1574-1586	5.7	4
120	Mechanistic study on boron adsorption and isotopic separation with magnetic magnetite nanoparticles. <i>Journal of Materials Science</i> , 2021 , 56, 4624-4640	4.3	3
119	A comparative analysis of China and other countries in metabolic engineering: Output, impact and collaboration. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 30, 37-45	3.2	1
118	Improving riboflavin production by knocking down ribF, purA and guaC genes using synthetic regulatory small RNA. <i>Journal of Biotechnology</i> , 2021 , 336, 25-29	3.7	2

117	Enhancing β-Carotene Production in by Perturbing Central Carbon Metabolism and Improving the NADPH Supply. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 585	5.8	9
116	Engineering central pathways for industrial-level (3R)-acetoin biosynthesis in <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , 2020 , 19, 102	6.4	10
115	Sulfur-Rich Molybdenum Sulfide Grown on Porous N-Doped Graphene for Efficient Hydrogen Evolution. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12862-12869	3.9	3
114	Recent progress in metabolic engineering of microbial formate assimilation. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 6905-6917	5.7	8
113	Engineering <i>Corynebacterium glutamicum</i> for the Efficient Production of 3-Hydroxypropionic Acid from a Mixture of Glucose and Acetate via the Malonyl-CoA Pathway. <i>Catalysts</i> , 2020 , 10, 203	4	11
112	Engineering to improve tryptophan production via genetic manipulation of precursor and cofactor pathways. <i>Synthetic and Systems Biotechnology</i> , 2020 , 5, 200-205	4.2	6
111	Metabolic engineering of <i>Escherichia coli</i> for production of chemicals derived from the shikimate pathway. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 525-535	4.2	9
110	Efficient solid-state fermentation for the production of 5-aminolevulinic acid enriched feed using recombinant <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2020 , 322, 29-32	3.7	8
109	Development of Novel Bioreactor Control Systems Based on Smart Sensors and Actuators. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 7	5.8	15
108	Production of riboflavin and related cofactors by biotechnological processes. <i>Microbial Cell Factories</i> , 2020 , 19, 31	6.4	35
107	Integrating CRISPR-Enabled Trackable Genome Engineering and Transcriptomic Analysis of Global Regulators for Antibiotic Resistance Selection and Identification in <i>Escherichia coli</i> . <i>MSystems</i> , 2020 , 5,	7.6	5
106	Substrate profiling and tolerance testing of <i>Halomonas</i> TD01 suggest its potential application in sustainable manufacturing of chemicals. <i>Journal of Biotechnology</i> , 2020 , 316, 1-5	3.7	2
105	One-pot efficient biosynthesis of (3R)-acetoin from pyruvate by a two-enzyme cascade. <i>Catalysis Science and Technology</i> , 2020 , 10, 7734-7744	5.5	1
104	A comprehensive economic optimization methodology of divided wall columns for biopolyol separation. <i>Royal Society Open Science</i> , 2020 , 7, 191748	3.3	0
103	Development and characterization of a CRISPR/Cas9n-based multiplex genome editing system for. <i>Biotechnology for Biofuels</i> , 2019 , 12, 197	7.8	31
102	Modular Engineering of the Flavin Pathway in <i>Escherichia coli</i> for Improved Flavin Mononucleotide and Flavin Adenine Dinucleotide Production. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6532-6540	5.7	3
101	In vitro biosynthesis of optically pure d-(+)-acetoin from meso-2,3-butanediol using 2,3-butanediol dehydrogenase and NADH oxidase. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2547-2554	3.5	11
100	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019 , 35, 929-993	5	1

99	Screening, expression, purification and characterization of CoA-transferases for lactoyl-CoA generation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 899-909	4.2	7
98	Synthesis, Characterization, Adsorption, and Isotopic Separation Studies of Pyrocatechol-Modified MCM-41 for Efficient Boron Removal. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 3282-3292	3.9	13
97	Combinatorial expression of different β -carotene hydroxylases and ketolases in <i>Escherichia coli</i> for increased astaxanthin production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 1505-1516	4.2	7
96	Evolutionary engineering of <i>Escherichia coli</i> for improved anaerobic growth in minimal medium accelerated lactate production. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 2155-2170	5.7	8
95	Metabolic engineering of for efficient production of succinate from lignocellulosic hydrolysate. <i>Biotechnology for Biofuels</i> , 2018 , 11, 95	7.8	32
94	Model-based reconstruction of synthetic promoter library in <i>Corynebacterium glutamicum</i> . <i>Biotechnology Letters</i> , 2018 , 40, 819-827	3	15
93	Isobaric Vapor-Liquid Equilibrium for Binary and Ternary Systems of 2-Methoxyethanol, Ethylbenzene, and Dimethyl Sulfoxide at 100.00 kPa. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3345-3352	2.8	2
92	Integrated whole-genome and transcriptome sequence analysis reveals the genetic characteristics of a riboflavin-overproducing <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2018 , 48, 138-149	9.7	29
91	Engineering genome-reduced <i>Bacillus subtilis</i> for acetoin production from xylose. <i>Biotechnology Letters</i> , 2018 , 40, 393-398	3	9
90	Genome-scale metabolic model analysis indicates low energy production efficiency in marine ammonia-oxidizing archaea. <i>AMB Express</i> , 2018 , 8, 106	4.1	3
89	Recent advances in CRISPR/Cas9 mediated genome editing in <i>Bacillus subtilis</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2018 , 34, 153	4.4	16
88	Hierarchical Cobalt Borate/MXenes Hybrid with Extraordinary Electrocatalytic Performance in Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018 , 11, 3758-3765	8.3	40
87	Concomitant cell-free biosynthesis of optically pure D-(-)-acetoin and xylitol via a novel NAD ⁺ regeneration in two-enzyme cascade. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3444-3451	3.5	8
86	Highly efficient hemicellulose utilization for acetoin production by an engineered <i>Bacillus subtilis</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3428-3435	3.5	4
85	Construction, Model-Based Analysis, and Characterization of a Promoter Library for Fine-Tuned Gene Expression in <i>Bacillus subtilis</i> . <i>ACS Synthetic Biology</i> , 2018 , 7, 1785-1797	5.7	38
84	The room temperature electron reduction for the preparation of silver nanoparticles on cotton with high antimicrobial activity. <i>Carbohydrate Polymers</i> , 2017 , 161, 270-276	10.3	36
83	A three-species microbial consortium for power generation. <i>Energy and Environmental Science</i> , 2017 , 10, 1600-1609	35.4	55
82	Metabolic engineering of an <i>E. coli</i> <i>ndh</i> knockout strain for PHB production from mixed glucose-xylose feedstock. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 2739-2745	3.5	8

81	Artificial consortium that produces riboflavin regulates distribution of acetoin and 2,3-butanediol by CJX518. <i>Engineering in Life Sciences</i> , 2017 , 17, 1039-1049	3.4	6
80	Enhancement of 5-aminolevulinic acid production by metabolic engineering of the glycine biosynthesis pathway in <i>Corynebacterium glutamicum</i> . <i>Biotechnology Letters</i> , 2017 , 39, 1369-1374	3	10
79	glyA gene knock-out in <i>Escherichia coli</i> enhances L-serine production without glycine addition. <i>Biotechnology and Bioprocess Engineering</i> , 2017 , 22, 390-396	3.1	7
78	Systematic metabolic engineering of <i>Corynebacterium glutamicum</i> for the industrial-level production of optically pure D-(+)-acetoin. <i>Green Chemistry</i> , 2017 , 19, 5691-5702	10	25
77	A synthetic microbial consortium of <i>Shewanella</i> and <i>Bacillus</i> for enhanced generation of bioelectricity. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 526-532	4.9	39
76	Conversion of Glycerol to 3-Hydroxypropanoic Acid by Genetically Engineered. <i>Frontiers in Microbiology</i> , 2017 , 8, 638	5.7	14
75	Pathway-Consensus Approach to Metabolic Network Reconstruction for <i>Pseudomonas putida</i> KT2440 by Systematic Comparison of Published Models. <i>PLoS ONE</i> , 2017 , 12, e0169437	3.7	21
74	Directed evolution of adenylosuccinate synthetase from <i>Bacillus subtilis</i> and its application in metabolic engineering. <i>Journal of Biotechnology</i> , 2016 , 231, 115-121	3.7	10
73	Characterization of genome-reduced <i>Bacillus subtilis</i> strains and their application for the production of guanosine and thymidine. <i>Microbial Cell Factories</i> , 2016 , 15, 94	6.4	20
72	Combinatorial optimization of CO ₂ transport and fixation to improve succinate production by promoter engineering. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1531-41	4.9	32
71	Production of Acetoin through Simultaneous Utilization of Glucose, Xylose, and Arabinose by Engineered <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2016 , 11, e0159298	3.7	16
70	Metabolic engineering of <i>Corynebacterium glutamicum</i> for efficient production of 5-aminolevulinic acid. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1284-93	4.9	48
69	Production of 5-aminolevulinic acid by cell free multi-enzyme catalysis. <i>Journal of Biotechnology</i> , 2016 , 226, 8-13	3.7	25
68	Increased riboflavin production by knockout of 6-phosphofructokinase I and blocking the Entner-Doudoroff pathway in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2016 , 38, 1307-14	3	12
67	Metabolic engineering of <i>Bacillus subtilis</i> for chiral pure meso-2,3-butanediol production. <i>Biotechnology for Biofuels</i> , 2016 , 9, 90	7.8	63
66	An engineered non-oxidative glycolysis pathway for acetone production in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2016 , 38, 1359-65	3	14
65	High-yield anaerobic succinate production by strategically regulating multiple metabolic pathways based on stoichiometric maximum in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2016 , 15, 141	6.4	35
64	Development of a markerless gene replacement system in <i>Corynebacterium glutamicum</i> using upp as a counter-selection marker. <i>Biotechnology Letters</i> , 2015 , 37, 609-17	3	22

63	Metabolic engineering of <i>Escherichia coli</i> using CRISPR-Cas9 mediated genome editing. <i>Metabolic Engineering</i> , 2015 , 31, 13-21	9.7	237
62	Tubulin structure-based drug design for the development of novel 4 β -sulfur-substituted podophyllum tubulin inhibitors with anti-tumor activity. <i>Scientific Reports</i> , 2015 , 5, 10172	4.9	14
61	Purification and functional characterization of thermostable 5-aminolevulinic acid synthases. <i>Biotechnology Letters</i> , 2015 , 37, 2247-53	3	9
60	Inverse metabolic engineering of <i>Bacillus subtilis</i> for xylose utilization based on adaptive evolution and whole-genome sequencing. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 885-96	5.7	22
59	Comparison of carbon-sulfur and carbon-amine bond in therapeutic drug: 4 β -aromatic heterocyclic podophyllum derivatives display antitumor activity. <i>Scientific Reports</i> , 2015 , 5, 14814	4.9	15
58	Fluoride-containing podophyllum derivatives exhibit antitumor activities through enhancing mitochondrial apoptosis pathway by increasing the expression of caspase-9 in HeLa cells. <i>Scientific Reports</i> , 2015 , 5, 17175	4.9	10
57	Aroma improvement by repeated freeze-thaw treatment during <i>Tuber melanosporum</i> fermentation. <i>Scientific Reports</i> , 2015 , 5, 17120	4.9	18
56	Collaborative regulation of CO ₂ transport and fixation during succinate production in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2015 , 5, 17321	4.9	17
55	Metabolic engineering of <i>Escherichia coli</i> for poly(3-hydroxybutyrate) production via threonine bypass. <i>Microbial Cell Factories</i> , 2015 , 14, 185	6.4	26
54	Improvement of the riboflavin production by engineering the precursor biosynthesis pathways in <i>Escherichia coli</i> . <i>Chinese Journal of Chemical Engineering</i> , 2015 , 23, 1834-1839	3.2	11
53	Isolation and characterization of polysaccharides with the antitumor activity from <i>Tuber</i> fruiting bodies and fermentation system. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1991-2002	5.7	26
52	Enhancement of riboflavin production by deregulating gluconeogenesis in <i>Bacillus subtilis</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2014 , 30, 1893-900	4.4	20
51	Design and synthesis of the novel DNA topoisomerase II inhibitors: esterification and amination substituted 4 β -demethylepipodophyllotoxin derivatives exhibiting anti-tumor activity by activating ATM/ATR signaling pathways. <i>European Journal of Medicinal Chemistry</i> , 2014 , 80, 267-77	6.8	15
50	A rational design strategy of the novel topoisomerase II inhibitors for the synthesis of the 4-O-(2-pyrazinecarboxylic)-4 β -demethylepipodophyllotoxin with antitumor activity by diminishing the relaxation reaction of topoisomerase II-DNA decatenation. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 2998-3007	3.4	7
49	Metabolic engineering of <i>Escherichia coli</i> and in silico comparing of carboxylation pathways for high succinate productivity under aerobic conditions. <i>Microbiological Research</i> , 2014 , 169, 432-40	5.3	25
48	Improved poly(3-hydroxybutyrate) production in <i>Escherichia coli</i> by inactivation of cytochrome bd-II oxidase or/and NDH-II dehydrogenase in low efficient respiratory chains. <i>Journal of Biotechnology</i> , 2014 , 192 Pt A, 170-6	3.7	10
47	Engineering <i>Escherichia coli</i> for fumaric acid production from glycerol. <i>Bioresource Technology</i> , 2014 , 174, 81-7	11	40
46	Deregulation of purine pathway in <i>Bacillus subtilis</i> and its use in riboflavin biosynthesis. <i>Microbial Cell Factories</i> , 2014 , 13, 101	6.4	23

45	Metabolic engineering of Escherichia coli for the production of riboflavin. <i>Microbial Cell Factories</i> , 2014 , 13, 104	6.4	47
44	Improved succinate production in Corynebacterium glutamicum by engineering glyoxylate pathway and succinate export system. <i>Biotechnology Letters</i> , 2014 , 36, 553-60	3	34
43	NADH plays the vital role for chiral pure D(-)-2,3-butanediol production in Bacillus subtilis under limited oxygen conditions. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 2126-31	4.9	55
42	Engineering of Serine-Deamination pathway, Entner-Doudoroff pathway and pyruvate dehydrogenase complex to improve poly(3-hydroxybutyrate) production in Escherichia coli. <i>Microbial Cell Factories</i> , 2014 , 13, 172	6.4	29
41	Engineering microorganisms based on molecular evolutionary analysis: a succinate production case study. <i>Evolutionary Applications</i> , 2014 , 7, 913-20	4.8	4
40	Significance of metal ion supplementation in the fermentation medium on the structure and anti-tumor activity of Tuber polysaccharides produced by submerged culture of Tuber melanosporum. <i>Process Biochemistry</i> , 2014 , 49, 2030-2038	4.8	11
39	Aerobic production of succinate from arabinose by metabolically engineered Corynebacterium glutamicum. <i>Bioresource Technology</i> , 2014 , 151, 411-4	11	28
38	Ranking the significance of fermentation conditions on the volatile organic compounds of Tuber melanosporum fermentation system by combination of head-space solid phase microextraction and chromatographic fingerprint similarity analysis. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 543-52	3.7	6
37	Metabolic engineering of. <i>Microbial Cell Factories</i> , 2014 , 13, 104	6.4	16
36	Deregulation of purine pathway in. <i>Microbial Cell Factories</i> , 2014 , 13, 101	6.4	7
35	Research Progress in Benzosilole-Containing Organic Compounds. <i>Chinese Journal of Organic Chemistry</i> , 2014 , 34, 1061	3	2
34	Elimination of Carbon Catabolite Repression in Bacillus subtilis for the Improvement of 2,3-Butanediol Production. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 323-331	0.2	0
33	Multiplex Plasmid Engineering (MPE) for Fine Tuning the Expression Level of Red Fluorescent Protein. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 1837-1844	0.2	
32	Metabolic Engineering of Corynebacterium glutamicum for Efficient Aerobic Succinate Production. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 333-341	0.2	
31	Activation of glyoxylate pathway without the activation of its related gene in succinate-producing engineered Escherichia coli. <i>Metabolic Engineering</i> , 2013 , 20, 9-19	9.7	23
30	Directed pathway evolution of the glyoxylate shunt in Escherichia coli for improved aerobic succinate production from glycerol. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013 , 40, 1461-75	4.2	25
29	Metabolism of L-methionine linked to the biosynthesis of volatile organic sulfur-containing compounds during the submerged fermentation of Tuber melanosporum. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 9981-92	5.7	20
28	Multiplex iterative plasmid engineering for combinatorial optimization of metabolic pathways and diversification of protein coding sequences. <i>ACS Synthetic Biology</i> , 2013 , 2, 651-61	5.7	17

27	Engineering <i>Bacillus subtilis</i> for acetoin production from glucose and xylose mixtures. <i>Journal of Biotechnology</i> , 2013 , 168, 499-505	3.7	37
26	Comparative transcriptome analysis for metabolic engineering. <i>Methods in Molecular Biology</i> , 2013 , 985, 447-58	1.4	3
25	In silico metabolic engineering of <i>Bacillus subtilis</i> for improved production of riboflavin, Egl-237, (R,R)-2,3-butanediol and isobutanol. <i>Molecular BioSystems</i> , 2013 , 9, 2034-44		31
24	Study of a upp-Based Counterselective Method for Large-Scale Deletion of Genome Fragments in <i>Bacillus subtilis</i> . <i>Advanced Materials Research</i> , 2013 , 634-638, 1076-1080	0.5	
23	Expressing Xylanases in <i>Escherichia Coli</i> by Cell Surface Display. <i>Advanced Materials Research</i> , 2013 , 634-638, 965-969	0.5	
22	Optimization of Riboflavin Production by Recombinant <i>Bacillus Subtilis</i> X42 Using Statistical Designs. <i>Advanced Materials Research</i> , 2013 , 634-638, 1031-1036	0.5	1
21	Engineering of acetate recycling and citrate synthase to improve aerobic succinate production in <i>Corynebacterium glutamicum</i> . <i>PLoS ONE</i> , 2013 , 8, e60659	3.7	32
20	Establishment of a markerless mutation delivery system in <i>Bacillus subtilis</i> stimulated by a double-strand break in the chromosome. <i>PLoS ONE</i> , 2013 , 8, e81370	3.7	26
19	Metabolic engineering of <i>Bacillus subtilis</i> for enhanced production of acetoin. <i>Biotechnology Letters</i> , 2012 , 34, 1877-85	3	37
18	Engineering <i>Escherichia coli</i> for succinate production from hemicellulose via consolidated bioprocessing. <i>Microbial Cell Factories</i> , 2012 , 11, 37	6.4	50
17	Metabolic engineering of thermophilic <i>Bacillus licheniformis</i> for chiral pure D-2,3-butanediol production. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1610-21	4.9	61
16	Enhancement of riboflavin production with <i>Bacillus subtilis</i> by expression and site-directed mutagenesis of <i>zwf</i> and <i>gnd</i> gene from <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2011 , 102, 3934-40	11	64
15	Strain improvement of <i>Sporolactobacillus inulinus</i> ATCC 15538 for acid tolerance and production of D-lactic acid by genome shuffling. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 1541-9	5.7	33
14	Overexpression of glucose-6-phosphate dehydrogenase enhances riboflavin production in <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 1907-14	5.7	43
13	Enhanced Riboflavin Production by Expressing Heterologous Riboflavin Operon from <i>B. cereus</i> ATCC14579 in <i>Bacillus subtilis</i> . <i>Chinese Journal of Chemical Engineering</i> , 2010 , 18, 129-136	3.2	7
12	Genome shuffling: Progress and applications for phenotype improvement. <i>Biotechnology Advances</i> , 2009 , 27, 996-1005	17.8	110
11	Transcriptome analysis guided metabolic engineering of <i>Bacillus subtilis</i> for riboflavin production. <i>Metabolic Engineering</i> , 2009 , 11, 243-52	9.7	80
10	Increased production of riboflavin by metabolic engineering of the purine pathway in <i>Bacillus subtilis</i> . <i>Biochemical Engineering Journal</i> , 2009 , 46, 28-33	4.2	32

9	Expression of Vitreoscilla hemoglobin enhances growth and production of riboflavin in recombinant <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S35	3-7	
8	Enhancing riboflavin production by genetic modification of purine pathway in <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S35-S36	3-7	
7	Enhancement of riboflavin production by overexpression of acetolactate synthase in a pta mutant of <i>Bacillus subtilis</i> . <i>FEMS Microbiology Letters</i> , 2007 , 266, 224-30	2-9	23
6	Optimization of riboflavin production by recombinant <i>Bacillus subtilis</i> RH44 using statistical designs. <i>Applied Microbiology and Biotechnology</i> , 2007 , 76, 783-94	5-7	53
5	Integrating metabolomics into a systems biology framework to exploit metabolic complexity: strategies and applications in microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 151-61	5-7	51
4	Redirection electron flow to high coupling efficiency of terminal oxidase to enhance riboflavin biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2006 , 73, 374-83	5-7	24
3	Expression of galactose permease and pyruvate carboxylase in <i>Escherichia coli</i> ptsG mutant increases the growth rate and succinate yield under anaerobic conditions. <i>Biotechnology Letters</i> , 2006 , 28, 89-93	3	35
2	Over-expression of glucose dehydrogenase improves cell growth and riboflavin production in <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2006 , 28, 1667-72	3	32
1	Improving Furfural Tolerance of <i>Escherichia coli</i> by Integrating Adaptive Laboratory Evolution with CRISPR-Enabled Trackable Genome Engineering (CREATE). <i>ACS Sustainable Chemistry and Engineering</i> ,	8-3	3