

Yanfeng Liu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2664107/yanfeng-liu-publications-by-year.pdf>

Version: 2024-04-26

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.

95
papers

1,786
citations

24
h-index

40
g-index

110
ext. papers

2,531
ext. citations

7.1
avg. IF

5.18
L-index

#	Paper	IF	Citations
95	Metabolomics-Driven Elucidation of Interactions between <i>Saccharomyces cerevisiae</i> and <i>Lactobacillus panis</i> from Chinese Baijiu Fermentation Microbiome. <i>Fermentation</i> , 2022 , 8, 33	4.7	0
94	Model-driven design of synthetic N-terminal coding sequences for regulating gene expression in yeast and bacteria.. <i>Biotechnology Journal</i> , 2022 , e2100655	5.6	1
93	Combinatorial pathway engineering of <i>Bacillus subtilis</i> for production of structurally defined and homogeneous chitooligosaccharides.. <i>Metabolic Engineering</i> , 2022 ,	9.7	1
92	A CRISPR-Cas12a-Based Assay for Efficient Quantification of <i>Lactobacillus panis</i> in Chinese Baijiu Brewing Microbiome. <i>Fermentation</i> , 2022 , 8, 88	4.7	
91	Biosynthesis of Guanidinoacetate by <i>Bacillus subtilis</i> Whole-Cell Catalysis. <i>Fermentation</i> , 2022 , 8, 116	4.7	0
90	Combinatorial metabolic engineering of <i>Escherichia coli</i> for de novo production of 2Ffucosyllactose.. <i>Bioresource Technology</i> , 2022 , 126949	11	2
89	Refactoring transcription factors for metabolic engineering.. <i>Biotechnology Advances</i> , 2022 , 107935	17.8	0
88	Combinatorial Metabolic Engineering and Enzymatic Catalysis Enable Efficient Production of Colanic Acid. <i>Microorganisms</i> , 2022 , 10, 877	4.9	1
87	New synthetic biology tools for metabolic control.. <i>Current Opinion in Biotechnology</i> , 2022 , 76, 102724	11.4	1
86	Construction of Multiscale Genome-Scale Metabolic Models: Frameworks and Challenges. <i>Biomolecules</i> , 2022 , 12, 721	5.9	1
85	Overexpression of HMGA1 confers radioresistance by transactivating RAD51 in cholangiocarcinoma. <i>Cell Death Discovery</i> , 2021 , 7, 322	6.9	3
84	Synthetic biology for future food: Research progress and future directions. <i>Future Foods</i> , 2021 , 3, 100025	3.3	7
83	Engineering a ComA Quorum-Sensing circuit to dynamically control the production of Menaquinone-4 in <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , 2021 , 147, 109782	3.8	2
82	Current advances in design and engineering strategies of industrial enzymes. <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 15-23		11
81	Food synthetic biology-driven protein supply transition: From animal-derived production to microbial fermentation. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 30, 29-36	3.2	3
80	The elucidation of phosphosugar stress response in <i>Bacillus subtilis</i> guides strain engineering for high N-acetylglucosamine production. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 383-396	4.9	3
79	Metabolic engineering of <i>Escherichia coli</i> for the production of Lacto-N-neotetraose (LNnT). <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 291		5

78	Synthetic biology-driven microbial production of folates: Advances and perspectives. <i>Bioresource Technology</i> , 2021 , 324, 124624	11	3
77	Multilayer Genetic Circuits for Dynamic Regulation of Metabolic Pathways. <i>ACS Synthetic Biology</i> , 2021 , 10, 1587-1597	5.7	1
76	Production of proteins and commodity chemicals using engineered <i>Bacillus subtilis</i> platform strain. <i>Essays in Biochemistry</i> , 2021 , 65, 173-185	7.6	1
75	A Zinc Coordination Polymer Sensor for Selective and Sensitive Detection of Doxycycline Based on Fluorescence Enhancement. <i>Crystal Growth and Design</i> , 2021 , 21, 4971-4978	3.5	10
74	Semi-rational design of L-amino acid deaminase for production of pyruvate and D-alanine by <i>Escherichia coli</i> whole-cell biocatalyst. <i>Amino Acids</i> , 2021 , 53, 1361-1371	3.5	1
73	Engineering diacetylchitobiose deacetylase from <i>Pyrococcus horikoshii</i> towards an efficient glucosamine production. <i>Bioresource Technology</i> , 2021 , 334, 125241	11	7
72	Inducible Population Quality Control of Engineered for Improved -Acetylneuraminic Acid Biosynthesis. <i>ACS Synthetic Biology</i> , 2021 , 10, 2197-2209	5.7	0
71	Synergistic improvement of N-acetylglucosamine production by engineering transcription factors and balancing redox cofactors. <i>Metabolic Engineering</i> , 2021 , 67, 330-346	9.7	5
70	High level production of diacetylchitobiose deacetylase by refactoring genetic elements and cellular metabolism. <i>Bioresource Technology</i> , 2021 , 341, 125836	11	1
69	Development and optimization of N-acetylneuraminic acid biosensors in <i>Bacillus subtilis</i> . <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 693-705	2.8	4
68	Lactic acid biosynthesis pathways and important genes of <i>Lactobacillus panis</i> L7 isolated from the Chinese liquor brewing microbiome. <i>Food Bioscience</i> , 2020 , 36, 100627	4.9	7
67	Development of a DNA double-strand break-free base editing tool in for genome editing and metabolic engineering. <i>Metabolic Engineering Communications</i> , 2020 , 11, e00135	6.5	2
66	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
65	Systems metabolic engineering of <i>Bacillus subtilis</i> for efficient biosynthesis of 5-methyltetrahydrofolate. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2116-2130	4.9	6
64	Cell-free synthesis system-assisted pathway bottleneck diagnosis and engineering in. <i>Synthetic and Systems Biotechnology</i> , 2020 , 5, 131-136	4.2	1
63	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
62	Synthetic metabolic channel by functional membrane microdomains for compartmentalized flux control. <i>Metabolic Engineering</i> , 2020 , 59, 106-118	9.7	9
61	Facile controlled synthesis of core-shell/yolk-shell/hollow ZIF-67@Co-LDH/SiO ₂ via a self-template method. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1643-1650	6.8	12

60	Microbial Chassis Development for Natural Product Biosynthesis. <i>Trends in Biotechnology</i> , 2020 , 38, 779-796	4.6	42
59	Combinatorial Methylerythritol Phosphate Pathway Engineering and Process Optimization for Increased Menaquinone-7 Synthesis in. <i>Journal of Microbiology and Biotechnology</i> , 2020 , 30, 762-769	3.3	5
58	Refactoring and optimization of metabolic network 2020 , 77-105		0
57	Developing rapid growing for improved biochemical and recombinant protein production. <i>Metabolic Engineering Communications</i> , 2020 , 11, e00141	6.5	4
56	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
55	Metabolic engineering for the production of fat-soluble vitamins: advances and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 935-951	5.7	10
54	Titrating bacterial growth and chemical biosynthesis for efficient N-acetylglucosamine and N-acetylneuraminic acid bioproduction. <i>Nature Communications</i> , 2020 , 11, 5078	17.4	9
53	Systems biology, synthetic biology, and metabolic engineering 2020 , 1-31		2
52	Quantitation of RNA by a fluorometric method using the SYTO RNASelect stain. <i>Analytical Biochemistry</i> , 2020 , 606, 113857	3.1	2
51	Genome sequencing and flavor compound biosynthesis pathway analyses of <i>Bacillus licheniformis</i> isolated from Chinese Maotai-flavor liquor-brewing microbiome. <i>Food Biotechnology</i> , 2020 , 34, 193-211	2.2	8
50	Systems and synthetic metabolic engineering for production of biochemicals 2020 , 207-235		0
49	Applications of CRISPR in a Microbial Cell Factory: From Genome Reconstruction to Metabolic Network Reprogramming. <i>ACS Synthetic Biology</i> , 2020 , 9, 2228-2238	5.7	7
48	Combinatorial engineering for improved menaquinone-4 biosynthesis in <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 141, 109652	3.8	7
47	Towards next-generation model microorganism chassis for biomanufacturing. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 9095-9108	5.7	2
46	Pyruvate-responsive genetic circuits for dynamic control of central metabolism. <i>Nature Chemical Biology</i> , 2020 , 16, 1261-1268	11.7	34
45	Engineering the Substrate Transport and Cofactor Regeneration Systems for Enhancing 2TFucosyllactose Synthesis in. <i>ACS Synthetic Biology</i> , 2019 , 8, 2418-2427	5.7	25
44	Metabolic engineering of S9114 based on whole-genome sequencing for efficient -acetylglucosamine synthesis. <i>Synthetic and Systems Biotechnology</i> , 2019 , 4, 120-129	4.2	12
43	Efficient Removal of U(VI) Using Functionalized Hollow Mesoporous Silica Nanospheres. <i>ChemistrySelect</i> , 2019 , 4, 7396-7402	1.8	4

42	Microbial production of sialic acid and sialylated human milk oligosaccharides: Advances and perspectives. <i>Biotechnology Advances</i> , 2019 , 37, 787-800	17.8	27
41	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019 , 35, 929-993	5	1
40	Pathway Engineering of <i>Bacillus subtilis</i> for Enhanced N-Acetylneuraminic Acid Production via Whole-Cell Biocatalysis. <i>Biotechnology Journal</i> , 2019 , 14, e1800682	5.6	3
39	Combinatorial Fine-Tuning of GNA1 and GlmS Expression by 5'Terminus Fusion Engineering Leads to Overproduction of N-Acetylglucosamine in <i>Bacillus subtilis</i> . <i>Biotechnology Journal</i> , 2019 , 14, e1800264	5.6	7
38	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
37	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
36	Secretory Expression Fine-Tuning and Directed Evolution of Diacetylchitobiose Deacetylase by <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	10
35	Microbiome analysis and random forest algorithm-aided identification of the diacetyl-producing microorganisms in the stacking fermentation stage of Maotai-flavor liquor production. <i>Food Biotechnology</i> , 2019 , 33, 338-352	2.2	1
34	Nutraceuticals Definition, Kinds and Applications 2019 , 1-7		
33	Microbial Production of Oligosaccharides and Polysaccharides 2019 , 75-91		
32	Screening, Optimization and Assembly of Key Pathway Enzymes in Metabolic Engineering 2019 , 167-176		1
31	Synthetic repetitive extragenic palindromic (REP) sequence as an efficient mRNA stabilizer for protein production and metabolic engineering in prokaryotic cells. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 5-18	4.9	11
30	Synthetic Biology Toolbox and Chassis Development in <i>Bacillus subtilis</i> . <i>Trends in Biotechnology</i> , 2019 , 37, 548-562	15.1	45
29	Identification of microorganisms producing lactic acid during solid-state fermentation of Maotai flavour liquor. <i>Journal of the Institute of Brewing</i> , 2019 , 125, 171-177	2	15
28	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
27	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
26	Engineering of Biosynthesis Pathway and NADPH Supply for Improved L-5-Methyltetrahydrofolate Production by. <i>Journal of Microbiology and Biotechnology</i> , 2019 , 31, 154-162	3.3	1
25	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

24	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
23	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
22	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
21	Biocatalytic Production of Glucosamine from N-Acetylglucosamine by Diacetylchitobiose Deacetylase. <i>Journal of Microbiology and Biotechnology</i> , 2018 , 28, 1850-1858	3-3	7
20	Enhanced 2,5-Furandicarboxylic Acid (FDCA) Production in BF60 by Manipulation of the Key Genes in FDCA Biosynthesis Pathway. <i>Journal of Microbiology and Biotechnology</i> , 2018 , 28, 1999-2008	3-3	2
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	Modular pathway engineering of <i>Bacillus subtilis</i> for improved N-acetylglucosamine production. <i>Metabolic Engineering</i> , 2014 , 23, 42-52	9-7	113
9	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
8	Pathway engineering of <i>Bacillus subtilis</i> for microbial production of N-acetylglucosamine. <i>Metabolic Engineering</i> , 2013 , 19, 107-15	9-7	56
7	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

6	Microbial production of glucosamine and N-acetylglucosamine: advances and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 6149-58	5-7	81
5	Effects of carbon sources and feeding strategies on heparosan production by <i>Escherichia coli</i> K5. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 1209-18	3-7	5
4	Microbial production of hyaluronic acid: current state, challenges, and perspectives. <i>Microbial Cell Factories</i> , 2011 , 10, 99	6.4	215
3	Chitin deacetylase: from molecular structure to practical applications. <i>Systems Microbiology and Biomanufacturing</i> ,1		0
2	Enzymatic production of N-acetylneuraminic acid: advances and perspectives. <i>Systems Microbiology and Biomanufacturing</i> ,1		1
1	Recent advances and prospects in purification and heterologous expression of lactoferrin		2