Chen Yang

List of Publications by Year
in descending order

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46	2,503	279487	233125
papers	citations	23	45
		h-index	g-index

48	48	48	4007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plants transfer lipids to sustain colonization by mutualistic mycorrhizal and parasitic fungi. Science, 2017, 356, 1172-1175.	6.0	584
2	Engineering the methylerythritol phosphate pathway in cyanobacteria for photosynthetic isoprene production from CO₂. Energy and Environmental Science, 2016, 9, 1400-1411.	15.6	212
3	Creating a functional single-chromosome yeast. Nature, 2018, 560, 331-335.	13.7	187
4	NADP+-IDH Mutations Promote Hypersuccinylation that Impairs Mitochondria Respiration and Induces Apoptosis Resistance. Molecular Cell, 2015, 60, 661-675.	4.5	175
5	Synergy between methylerythritol phosphate pathway and mevalonate pathway for isoprene production in Escherichia coli. Metabolic Engineering, 2016, 37, 79-91.	3.6	118
6	Harnessing the intracellular triacylglycerols for titer improvement of polyketides in Streptomyces. Nature Biotechnology, 2020, 38, 76-83.	9.4	116
7	The cyanobacterial ornithineâ€“ammonia cycle involves an arginine dihydrolase. Nature Chemical Biology, 2018, 14, 575-581.	3.9	87
8	Salmonella Typhimurium reprograms macrophage metabolism via T3SS effector SopE2 to promote intracellular replication and virulence. Nature Communications, 2021, 12, 879.	5.8	74
9	Insulin and mTOR Pathway Regulate HDAC3-Mediated Deacetylation and Activation of PGK1. PLoS Biology, 2015, 13, e1002243.	2.6	72
10	Phosphoketolase Pathway for Xylose Catabolism in Clostridium acetobutylicum Revealed by ¹³ C Metabolic Flux Analysis. Journal of Bacteriology, 2012, 194, 5413-5422.	1.0	68
11	Redox-Responsive Repressor Rex Modulates Alcohol Production and Oxidative Stress Tolerance in Clostridium acetobutylicum. Journal of Bacteriology, 2014, 196, 3949-3963.	1.0	60
12	Molecular modulation of pleiotropic regulator CcpA for glucose and xylose coutilization by solvent-producing Clostridium acetobutylicum. Metabolic Engineering, 2015, 28, 169-179.	3.6	58
13	Control of Proteobacterial Central Carbon Metabolism by the HexR Transcriptional Regulator. Journal of Biological Chemistry, 2011, 286, 35782-35794.	1.6	51
14	Balanced activation of IspG and IspH to eliminate MEP intermediate accumulation and improve isoprenoids production in Escherichia coli. Metabolic Engineering, 2017, 44, 13-21.	3.6	51
15	Increased glutarate production by blocking the glutaryl-CoA dehydrogenation pathway and a catabolic pathway involving l-2-hydroxyglutarate. Nature Communications, 2018, 9, 2114.	5.8	48
16	A Flexible Binding Site Architecture Provides New Insights into CcpA Global Regulation in Gram-Positive Bacteria. MBio, 2017, 8, .	1.8	44
17	Characterizing posttranslational modifications in prokaryotic metabolism using a multiscale workflow. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11096-11101.	3.3	44
18	Pyrophosphateâ€fructose 6â€phosphate 1â€phosphotransferase (<scp>PFP</scp>1) regulates starch biosynthesis and seed development via heterotetramer formation in rice (Oryza sativa L.). Plant Biotechnology Journal, 2020, 18, 83-95.	4.1	38

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19	Enoyl-CoA hydratase-1 regulates mTOR signaling and apoptosis by sensing nutrients. Nature Communications, 2017, 8, 464.	5.8	35
20	Succinateâ€GPRâ€91 receptor signalling is responsible for nonalcoholic steatohepatitisâ€associated fibrosis: Effects of DHA supplementation. Liver International, 2020, 40, 830-843.	1.9	34
21	Combined overexpression of genes involved in pentose phosphate pathway enables enhanced d-xylose utilization by Clostridium acetobutylicum. Journal of Biotechnology, 2014, 173, 7-9.	1.9	32
22	Metabolic regulation in solventogenic clostridia: regulators, mechanisms and engineering. Biotechnology Advances, 2018, 36, 905-914.	6.0	30
23	Phaeodactylum tricornutum photorespiration takes part in glycerol metabolism and is important for nitrogen-limited response. Biotechnology for Biofuels, 2015, 8, 73.	6.2	27
24	<scp>PTS</scp> regulation domainâ€containing transcriptional activator Cel<scp>R</scp> and sigma factor Ïƒ⁵⁴ control cellobiose utilization in <scp>C</scp>lostridium acetobutylicum. Molecular Microbiology, 2016, 100, 289-302.	1.2	24
25	The FBPase Encoding Gene glpX Is Required for Gluconeogenesis, Bacterial Proliferation and Division In Vivo of Mycobacterium marinum. PLoS ONE, 2016, 11, e0156663.	1.1	23
26	The Zscan4-Tet2 Transcription Nexus Regulates Metabolic Rewiring and Enhances Proteostasis to Promote Reprogramming. Cell Reports, 2020, 32, 107877.	2.9	22
27	Arginine and nitrogen mobilization in cyanobacteria. Molecular Microbiology, 2019, 111, 863-867.	1.2	20
28	Mycobacterial fatty acid catabolism is repressed by FdmR to sustain lipogenesis and virulence. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
29	Serum Metabolite Biomarkers Predictive of Response to PD-1 Blockade Therapy in Non-Small Cell Lung Cancer. Frontiers in Molecular Biosciences, 2021, 8, 678753.	1.6	16
30	Ginsenoside Rb1 Improves Metabolic Disorder in High-Fat Diet-Induced Obese Mice Associated With Modulation of Gut Microbiota. Frontiers in Microbiology, 2022, 13, 826487.	1.5	16
31	Whole-Genome Sequence of Microcystis aeruginosa TAIHU98, a Nontoxic Bloom-Forming Strain Isolated from Taihu Lake, China. Genome Announcements, 2013, 1, .	0.8	14
32	Is Sexual Ornamentation an Honest Signal of Male Quality in the Chinese Grouse (Tetrastes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	1.1	14
33	Nesting season, nest age, and disturbance, but not habitat characteristics, affect nest survival of Chinese grouse. Environmental Epigenetics, 2020, 66, 29-37.	0.9	14
34	Genomic reconstruction of Ïƒ54 regulons in Clostridiales. BMC Genomics, 2019, 20, 565.	1.2	9
35	Crystal structures and biochemical analyses of the bacterial arginine dihydrolase ArgZ suggests a â€œbond rotationâ€•catalytic mechanism. Journal of Biological Chemistry, 2020, 295, 2113-2124.	1.6	9
36	Development of sexual dimorphism in two sympatric skinks with different growth rates. Ecology and Evolution, 2019, 9, 7752-7760.	0.8	8

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37	Biological insights into non-model microbial hosts through stable-isotope metabolic flux analysis. Current Opinion in Biotechnology, 2020, 64, 32-38.	3.3	7
38	Control of solvent production by sigmaâ€54 factor and the transcriptional activator AdhR in Clostridium beijerinckii. Microbial Biotechnology, 2020, 13, 328-338.	2.0	7
39	Ferrous-Iron-Activated Transcriptional Factor AdhR Regulates Redox Homeostasis in Clostridium beijerinckii. Applied and Environmental Microbiology, 2020, 86, .	1.4	6
40	Functional dissection and modulation of the BirA protein for improved autotrophic growth of gasâ€fermenting ClostridiumÂljungdahlii. Microbial Biotechnology, 2021, 14, 2072-2089.	2.0	6
41	Engineering Cyanobacteria for Photosynthetic Production of C3 Platform Chemicals and Terpenoids from CO2. Advances in Experimental Medicine and Biology, 2018, 1080, 239-259.	0.8	6
42	Temporal modulation of host aerobic glycolysis determines the outcome of Mycobacterium marinum infection. Fish and Shellfish Immunology, 2020, 96, 78-85.	1.6	5
43	Winter space use and social behaviors of Chinese Grouse (Bonasa sewerzowi) at Lianhuashan mountains, Gansu, China. Journal of Ornithology, 2011, 152, 297-305.	0.5	4
44	Extracellular Acidity Reprograms Macrophage Metabolism and Innate Responsiveness. Journal of Immunology, 2021, 206, 3021-3031.	0.4	4
45	Microbiology Biotechnology in China. Microbial Biotechnology, 2021, 14, 322-322.	2.0	0
46	Complete mitochondrial genome of the spectacled parrotbill Sinosuthora conspicillata David, 1871 (Aves: Passeriformes: Sylviidae). Mitochondrial DNA Part B: Resources, 2021, 6, 3244-3245.	0.2	0