Chen Yang

List of Publications by Year
in descending order

46 papers	2,503 citations	279487 23 h-index	233125 45 g-index
48 all docs	48 docs citations	48 times ranked	4007 citing authors

#	Article	IF	Citations
1	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
2	Salmonella Typhimurium reprograms macrophage metabolism via T3SS effector SopE2 to promote intracellular replication and virulence. Nature Communications, 2021, 12, 879.	5.8	74
3	Microbiology Biotechnology in China. Microbial Biotechnology, 2021, 14, 322-322.	2.0	0
4	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
5	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
6	Extracellular Acidity Reprograms Macrophage Metabolism and Innate Responsiveness. Journal of Immunology, 2021, 206, 3021-3031.	0.4	4
7	Functional dissection and modulation of the BirA protein for improved autotrophic growth of gasâ€fermenting <i>ClostridiumÂljungdahlii</i>. Microbial Biotechnology, 2021, 14, 2072-2089.	2.0	6
8	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
9	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
10	Pyrophosphateâ€fructose 6â€phosphate 1â€phosphotransferase (<scp>PFP</scp>1) regulates starch biosynthesis and seed development via heterotetramer formation in rice (<i>Oryza sativa</i> L.). Plant Biotechnology Journal, 2020, 18, 83-95.	4.1	38
11	Biological insights into non-model microbial hosts through stable-isotope metabolic flux analysis. Current Opinion in Biotechnology, 2020, 64, 32-38.	3.3	7
12	Control of solvent production by sigmaâ€54 factor and the transcriptional activator AdhR in <i>Clostridium beijerinckii</i>. Microbial Biotechnology, 2020, 13, 328-338.	2.0	7
13	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
14	Harnessing the intracellular triacylglycerols for titer improvement of polyketides in Streptomyces. Nature Biotechnology, 2020, 38, 76-83.	9.4	116
15	Temporal modulation of host aerobic glycolysis determines the outcome of Mycobacterium marinum infection. Fish and Shellfish Immunology, 2020, 96, 78-85.	1.6	5
16	The Zscan4-Tet2 Transcription Nexus Regulates Metabolic Rewiring and Enhances Proteostasis to Promote Reprogramming. Cell Reports, 2020, 32, 107877.	2.9	22
17	Ferrous-Iron-Activated Transcriptional Factor AdhR Regulates Redox Homeostasis in <i>Clostridium beijerinckii</i>. Applied and Environmental Microbiology, 2020, 86, .	1.4	6
18	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

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19	Genomic reconstruction of Ïƒ54 regulons in Clostridiales. BMC Genomics, 2019, 20, 565.	1.2	9
20	Development of sexual dimorphism in two sympatric skinks with different growth rates. Ecology and Evolution, 2019, 9, 7752-7760.	0.8	8
21	Arginine and nitrogen mobilization in cyanobacteria. Molecular Microbiology, 2019, 111, 863-867.	1.2	20
22	Metabolic regulation in solventogenic clostridia: regulators, mechanisms and engineering. Biotechnology Advances, 2018, 36, 905-914.	6.0	30
23	The cyanobacterial ornithineâ€“ammonia cycle involves an arginine dihydrolase. Nature Chemical Biology, 2018, 14, 575-581.	3.9	87
24	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
25	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
26	Creating a functional single-chromosome yeast. Nature, 2018, 560, 331-335.	13.7	187
27	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
28	A Flexible Binding Site Architecture Provides New Insights into CcpA Global Regulation in Gram-Positive Bacteria. MBio, 2017, 8, .	1.8	44
29	Plants transfer lipids to sustain colonization by mutualistic mycorrhizal and parasitic fungi. Science, 2017, 356, 1172-1175.	6.0	584
30	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
31	Enoyl-CoA hydratase-1 regulates mTOR signaling and apoptosis by sensing nutrients. Nature Communications, 2017, 8, 464.	5.8	35
32	Synergy between methylerythritol phosphate pathway and mevalonate pathway for isoprene production in Escherichia coli. Metabolic Engineering, 2016, 37, 79-91.	3.6	118
33	<scp>PTS</scp> regulation domainâ€containing transcriptional activator Cel<scp>R</scp> and sigma factor Ïƒ⁵⁴ control cellobiose utilization in <scp><i>C</i></scp><i>lostridium acetobutylicum</i>. Molecular Microbiology, 2016, 100, 289-302.	1.2	24
34	Engineering the methylerythritol phosphate pathway in cyanobacteria for photosynthetic isoprene production from CO₂. Energy and Environmental Science, 2016, 9, 1400-1411.	15.6	212
35	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
36	Insulin and mTOR Pathway Regulate HDAC3-Mediated Deacetylation and Activation of PGK1. PLoS Biology, 2015, 13, e1002243.	2.6	72

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37	Phaeodactylum tricornutum photorespiration takes part in glycerol metabolism and is important for nitrogen-limited response. Biotechnology for Biofuels, 2015, 8, 73.	6.2	27
38	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
39	NADP+-IDH Mutations Promote Hypersuccinylation that Impairs Mitochondria Respiration and Induces Apoptosis Resistance. Molecular Cell, 2015, 60, 661-675.	4.5	175
40	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
41	Redox-Responsive Repressor Rex Modulates Alcohol Production and Oxidative Stress Tolerance in Clostridium acetobutylicum. Journal of Bacteriology, 2014, 196, 3949-3963.	1.0	60
42	Whole-Genome Sequence of Microcystis aeruginosa TAIHU98, a Nontoxic Bloom-Forming Strain Isolated from Taihu Lake, China. Genome Announcements, 2013, 1, .	0.8	14
43	Is Sexual Ornamentation an Honest Signal of Male Quality in the Chinese Grouse (Tetrastes) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.1	14
44	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
45	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
46	Control of Proteobacterial Central Carbon Metabolism by the HexR Transcriptional Regulator. Journal of Biological Chemistry, 2011, 286, 35782-35794.	1.6	51