

Zaigao Tan

List of Publications by Year in descending order

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16
papers

805
citations

623734

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940533

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times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	A polyketoacyl-CoA thiolase-dependent pathway for the synthesis of polyketide backbones. <i>Nature Catalysis</i> , 2020, 3, 593-603.	34.4	29
2	The isoprenoid alcohol pathway, a synthetic route for isoprenoid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12810-12815.	7.1	108
3	Synthetic Pathway for the Production of Olivetolic Acid in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 1886-1896.	3.8	47
4	Engineering of <i>E. coli</i> inherent fatty acid biosynthesis capacity to increase octanoic acid production. <i>Biotechnology for Biofuels</i> , 2018, 11, 87.	6.2	24
5	Engineering <i>Escherichia coli</i> membrane phospholipid head distribution improves tolerance and production of biorenewables. <i>Metabolic Engineering</i> , 2017, 44, 1-12.	7.0	83
6	Improving <i>Escherichia coli</i> membrane integrity and fatty acid production by expression tuning of FadL and OmpF. <i>Microbial Cell Factories</i> , 2017, 16, 38.	4.0	46
7	Systematic engineering of pentose phosphate pathway improves <i>Escherichia coli</i> succinate production. <i>Biotechnology for Biofuels</i> , 2016, 9, 262.	6.2	35
8	Membrane engineering via trans unsaturated fatty acids production improves <i>Escherichia coli</i> robustness and production of biorenewables. <i>Metabolic Engineering</i> , 2016, 35, 105-113.	7.0	112
9	Construction of <i>Escherichia coli</i> Cell Factories for Production of Organic Acids and Alcohols. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2015, 155, 107-140.	1.1	11
10	Activating C4-dicarboxylate transporters DcuB and DcuC for improving succinate production. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2197-2205.	3.6	48
11	Metabolic evolution of two reducing equivalent-conserving pathways for high-yield succinate production in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2014, 24, 87-96.	7.0	97
12	Recruiting alternative glucose utilization pathways for improving succinate production. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2513-2520.	3.6	40
13	Activating Phosphoenolpyruvate Carboxylase and Phosphoenolpyruvate Carboxykinase in Combination for Improvement of Succinate Production. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4838-4844.	3.1	72
14	Mechanisms Involved in the Functional Divergence of Duplicated GroEL Chaperonins in <i>Myxococcus xanthus</i> DK1622. <i>PLoS Genetics</i> , 2013, 9, e1003306.	3.5	27
15	Characterization of Four Type IV Pilin Homologues in <i>Stigmatella aurantiaca</i> DSM17044 by Heterologous Expression in <i>Myxococcus xanthus</i> . <i>PLoS ONE</i> , 2013, 8, e75105.	2.5	4
16	<i>Hds</i> , a horizontally transferred gene required for social behavior and halotolerance in salt-tolerant <i>Myxococcus fulvus</i> HW-1. <i>ISME Journal</i> , 2010, 4, 1282-1289.	9.8	22