

Shuang-Yan Tang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,451
citations

471061

17
h-index

500791

28
g-index

31
all docs

31
docs citations

31
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Redesign of a PETase for Plastic Biodegradation under Ambient Condition by the GRAPE Strategy. <i>ACS Catalysis</i> , 2021, 11, 1340-1350.	5.5	263
2	<i>De Novo</i> Biosynthesis of Chlorogenic Acid Using an Artificial Microbial Community. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2816-2825.	2.4	16
3	Whole-Cell Biosensors Aid Exploration of Vanillin Transmembrane Transport. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3114-3123.	2.4	10
4	Dynamic control of toxic natural product biosynthesis by an artificial regulatory circuit. <i>Metabolic Engineering</i> , 2020, 57, 239-246.	3.6	44
5	Metabolic Engineering for Improved Curcumin Biosynthesis in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10772-10779.	2.4	23
6	Developing a highly efficient hydroxytyrosol whole-cell catalyst by de-bottlenecking rate-limiting steps. <i>Nature Communications</i> , 2020, 11, 1515.	5.8	57
7	Development of a highly efficient and specific l-theanine synthase. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3417-3431.	1.7	15
8	CRISPRi/dCpf1-mediated dynamic metabolic switch to enhance butenoic acid production in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5385-5393.	1.7	9
9	Promiscuous enzymatic activity-aided multiple-pathway network design for metabolic flux rearrangement in hydroxytyrosol biosynthesis. <i>Nature Communications</i> , 2019, 10, 960.	5.8	49
10	Engineering the effector specificity of regulatory proteins for the in vitro detection of biomarkers and pesticide residues. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3205-3213.	1.7	3
11	Towards the construction of high-quality mutagenesis libraries. <i>Biotechnology Letters</i> , 2018, 40, 1101-1107.	1.1	0
12	Improving key enzyme activity in phenylpropanoid pathway with a designed biosensor. <i>Metabolic Engineering</i> , 2017, 40, 115-123.	3.6	102
13	Genetic biosensors for small-molecule products: Design and applications in high-throughput screening. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 15-26.	2.3	22
14	Design and application of a lactulose biosensor. <i>Scientific Reports</i> , 2017, 7, 45994.	1.6	26
15	Monitoring in vivo metabolic flux with a designed whole-cell metabolite biosensor of shikimic acid. <i>Biosensors and Bioelectronics</i> , 2017, 98, 457-465.	5.3	29
16	Biosensor-aided high-throughput screening of hyper-producing cells for malonyl-CoA-derived products. <i>Microbial Cell Factories</i> , 2017, 16, 187.	1.9	20
17	Putative Nonribosomal Peptide Synthetase and Cytochrome P450 Genes Responsible for Tentoxin Biosynthesis in <i>Alternaria alternata</i> ZJ33. <i>Toxins</i> , 2016, 8, 234.	1.5	38
18	Engineering a Carbohydrate-processing Transglycosidase into Glycosyltransferase for Natural Product Glycodiversification. <i>Scientific Reports</i> , 2016, 6, 21051.	1.6	19

#	ARTICLE	IF	CITATIONS
19	Directed evolution of leucine dehydrogenase for improved efficiency of l-tert-leucine synthesis. Applied Microbiology and Biotechnology, 2016, 100, 5805-5813.	1.7	35
20	Design and Application of a Novel High-throughput Screening Technique for 1-Deoxynojirimycin. Scientific Reports, 2015, 5, 8563.	1.6	20
21	Improving the thermoactivity and thermostability of pectate lyase from Bacillus pumilus for ramie degumming. Applied Microbiology and Biotechnology, 2015, 99, 2673-2682.	1.7	42
22	Development of a novel uric-acid-responsive regulatory system in Escherichia coli. Applied Microbiology and Biotechnology, 2015, 99, 2267-2275.	1.7	13
23	Design of an ectoine-responsive AraC mutant and its application in metabolic engineering of ectoine biosynthesis. Metabolic Engineering, 2015, 30, 149-155.	3.6	87
24	Screening for Enhanced Triacetic Acid Lactone Production by Recombinant Escherichia coli Expressing a Designed Triacetic Acid Lactone Reporter. Journal of the American Chemical Society, 2013, 135, 10099-10103.	6.6	182
25	Design and Application of a Mevalonate-Responsive Regulatory Protein. Angewandte Chemie - International Edition, 2011, 50, 1084-1086.	7.2	168
26	Elucidating residue roles in engineered variants of AraC regulatory protein. Protein Science, 2010, 19, 291-298.	3.1	12
27	AraC Regulatory Protein Mutants with Altered Effector Specificity. Journal of the American Chemical Society, 2008, 130, 5267-5271.	6.6	132