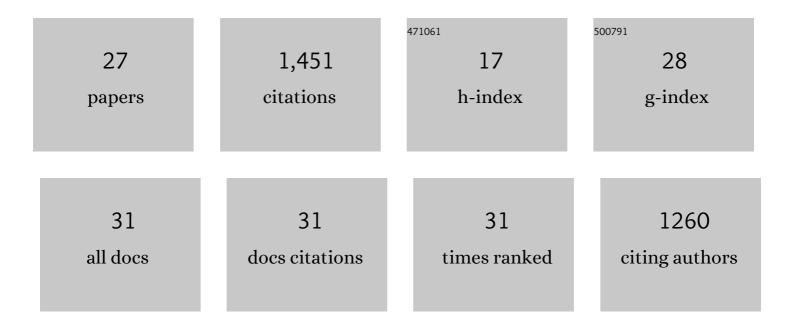
## Shuang-Yan Tang

List of Publications by Year in descending order

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

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#	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 Mevalonateâ€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