

# Xiaoyu Tang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

801  
citations

687363

13  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Thiotetronic Acid Antibiotic Biosynthetic Pathways by Target-directed Genome Mining. <i>ACS Chemical Biology</i> , 2015, 10, 2841-2849.	3.4	238
2	Genetic platforms for heterologous expression of microbial natural products. <i>Natural Product Reports</i> , 2019, 36, 1313-1332.	10.3	109
3	Identification of the Bacterial Biosynthetic Gene Clusters of the Oral Microbiome Illuminates the Unexplored Social Language of Bacteria during Health and Disease. <i>MBio</i> , 2019, 10, .	4.1	73
4	Identification of a Napsamycin Biosynthesis Gene Cluster by Genome Mining. <i>ChemBioChem</i> , 2011, 12, 477-487.	2.6	44
5	Cariogenic <i>Streptococcus mutans</i> Produces Tetramic Acid Strain-Specific Antibiotics That Impair Commensal Colonization. <i>ACS Infectious Diseases</i> , 2020, 6, 563-571.	3.8	40
6	Broad-Host-Range Expression Reveals Native and Host Regulatory Elements That Influence Heterologous Antibiotic Production in Gram-Negative Bacteria. <i>MBio</i> , 2017, 8, .	4.1	39
7	Direct cloning and heterologous expression of natural product biosynthetic gene clusters by transformation-associated recombination. <i>Methods in Enzymology</i> , 2019, 621, 87-110.	1.0	37
8	A two-step sulfation in antibiotic biosynthesis requires a type III polyketide synthase. <i>Nature Chemical Biology</i> , 2013, 9, 610-615.	8.0	36
9	<i>Klebsiella</i> and <i>Providencia</i> emerge as lone survivors following long-term starvation of oral microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8499-8504.	7.1	30
10	Pass-back chain extension expands multimodular assembly line biosynthesis. <i>Nature Chemical Biology</i> , 2020, 16, 42-49.	8.0	28
11	Engineering <i>Salinispora tropica</i> for heterologous expression of natural product biosynthetic gene clusters. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8437-8446.	3.6	24
12	Minimization of the Thiolactomyacin Biosynthetic Pathway Reveals that the Cytochrome P450 Enzyme TlmF Is Required for Five-Membered Thiolactone Ring Formation. <i>ChemBioChem</i> , 2017, 18, 1072-1076.	2.6	18
13	Enzymatic C-H Oxidation-Amidation Cascade in the Production of Natural and Unnatural Thiotetronate Antibiotics with Potentiated Bioactivity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12234-12239.	13.8	15
14	Contributions of Human-Associated Archaeal Metabolites to Tumor Microenvironment and Carcinogenesis. <i>Microbiology Spectrum</i> , 2022, 10, e0236721.	3.0	15
15	Catabolic protein degradation in marine sediments confined to distinct archaea. <i>ISME Journal</i> , 2022, 16, 1617-1626.	9.8	12
16	Identification and Biosynthesis of Pro-Inflammatory Sulfonolipids from an Opportunistic Pathogen <i>Chryseobacterium gleum</i> . <i>ACS Chemical Biology</i> , 2022, 17, 1197-1206.	3.4	12
17	Metatranscriptomics reveals different features of methanogenic archaea among global vegetated coastal ecosystems. <i>Science of the Total Environment</i> , 2022, 802, 149848.	8.0	10
18	Grincamycins: Rearranged Angucyclines from the Marine Sediment-Derived <i>Streptomyces</i> sp. CNZ-748 Inhibit Cell Lines of the Rare Cancer <i>Pseudomyxoma Peritonei</i> . <i>Journal of Natural Products</i> , 2021, 84, 1638-1648.	3.0	9

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19	Enzymatic C <sup>α</sup> -H Oxidation- <sup>α</sup> -Amidation Cascade in the Production of Natural and Unnatural Thiotetronate Antibiotics with Potentiated Bioactivity. <i>Angewandte Chemie</i> , 2017, 129, 12402-12407.	2.0	5
20	<i>mucG</i> , <i>mucH</i> , and <i>mucI</i> Modulate Production of Mutanocyclin and Reutericyclins in <i>Streptococcus mutans</i> B04Sm5. <i>Journal of Bacteriology</i> , 2022, 204, e0004222.	2.2	4
21	Human Archaea and Associated Metabolites in Health and Disease. <i>Biochemistry</i> , 2022, 61, 2835-2840.	2.5	1
22	Mining the Microbial Chemistry behind Tooth Decay. <i>Biochemistry</i> , 2022, 61, 2779-2781.	2.5	0