Xu-Ming Mao

List of Publications by Year
in descending order

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42 papers	945 citations	489802 18 h-index	536525 29 g-index
43 all docs	43 docs citations	43 times ranked	920 citing authors

#	Article	IF	Citations
1	A target and efficient synthetic strategy for structural and bioactivity optimization of a fungal natural product. European Journal of Medicinal Chemistry, 2022, 229, 114067.	2.6	5
2	m4C DNA methylation regulates biosynthesis of daptomycin in Streptomyces roseosporus L30. Synthetic and Systems Biotechnology, 2022, 7, 1013-1023.	1.8	4
3	A Cell Factory of a Fungicolous Fungus Calcarisporium arbuscula for Efficient Production of Natural Products. ACS Synthetic Biology, 2021, 10, 698-706.	1.9	5
4	Discovery of a Potential Liver Fibrosis Inhibitor from a Mushroom Endophytic Fungus by Genome Mining of a Silent Biosynthetic Gene Cluster. Journal of Agricultural and Food Chemistry, 2021, 69, 11303-11310.	2.4	1
5	Fine-Tuning Cas9 Activity with a Cognate Inhibitor AcrIIA4 to Improve Genome Editing in Streptomyces. ACS Synthetic Biology, 2021, 10, 2833-2841.	1.9	6
6	Discovery of Semi-Pinacolases from the Epoxide Hydrolase Family during Efficient Assembly of a Fungal Polyketide. ACS Catalysis, 2021, 11, 14702-14711.	5.5	8
7	The regulatory cascades of antibiotic production in Streptomyces. World Journal of Microbiology and Biotechnology, 2020, 36, 13.	1.7	39
8	An efficient genetic transformation system for Chinese medicine fungus Tolypocladium ophioglossoides. Journal of Microbiological Methods, 2020, 176, 106032.	0.7	7
9	Regulation of Protein Post-Translational Modifications on Metabolism of Actinomycetes. Biomolecules, 2020, 10, 1122.	1.8	12
10	Comprehensive dissection of dispensable genomic regions in Streptomyces based on comparative analysis approach. Microbial Cell Factories, 2020, 19, 99.	1.9	14
11	Genomic and transcriptomic survey of an endophytic fungus Calcarisporium arbuscula NRRL 3705 and potential overview of its secondary metabolites. BMC Genomics, 2020, 21, 424.	1.2	20
12	Crotonylation of key metabolic enzymes regulates carbon catabolite repression in Streptomyces roseosporus. Communications Biology, 2020, 3, 192.	2.0	35
13	FadR1, a pathway-specific activator of fidaxomicin biosynthesis in Actinoplanes deccanensis Yp-1. Applied Microbiology and Biotechnology, 2019, 103, 7583-7596.	1.7	8
14	Identification of a secondary metabolism-responsive promoter by proteomics for over-production of natamycin in Streptomyces. Archives of Microbiology, 2019, 201, 1459-1464.	1.0	7
15	Molecular mechanism of azoxy bond formation for azoxymycins biosynthesis. Nature Communications, 2019, 10, 4420.	5.8	47
16	Multi-Layer Controls of Cas9 Activity Coupled With ATP Synthase Over-Expression for Efficient Genome Editing in Streptomyces. Frontiers in Bioengineering and Biotechnology, 2019, 7, 304.	2.0	20
17	Rational construction of genome-reduced and high-efficient industrial Streptomyces chassis based on multiple comparative genomic approaches. Microbial Cell Factories, 2019, 18, 16.	1.9	55
18	Activation of anthrachamycin biosynthesis in Streptomyces chattanoogensis L10 by site-directed mutagenesis of rpoB. Journal of Zhejiang University: Science B, 2019, 20, 983-994.	1.3	8

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19	Transcriptome-Based Identification of a Strong Promoter for Hyper-production of Natamycin in Streptomyces. Current Microbiology, 2019, 76, 95-99.	1.0	8
20	Dual regulation between the two-component system PhoRP and AdpA regulates antibiotic production in Streptomyces. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 725-737.	1.4	13
21	Regulatory and biosynthetic effects of the bkd gene clusters on the production of daptomycin and its analogs A21978C1â€“3. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 271-279.	1.4	11
22	Revelation of the Balanol Biosynthetic Pathway in Tolypocladium ophioglossoides. Organic Letters, 2018, 20, 6323-6326.	2.4	13
23	Substrate Specificity of Acyltransferase Domains for Efficient Transfer of Acyl Groups. Frontiers in Microbiology, 2018, 9, 1840.	1.5	4
24	Bidirectional Regulation of AdpAch in Controlling the Expression of scnRI and scnRII in the Natamycin Biosynthesis of Streptomyces chattanoogensis L10. Frontiers in Microbiology, 2018, 9, 316.	1.5	13
25	Development of an efficient genetic system in a gene cluster-rich endophytic fungus Calcarisporium arbuscula NRRL 3705. Journal of Microbiological Methods, 2018, 151, 1-6.	0.7	10
26	Transposon-based identification of a negative regulator for the antibiotic hyper-production in Streptomyces. Applied Microbiology and Biotechnology, 2018, 102, 6581-6592.	1.7	26
27	Negative regulation of daptomycin production by DepR2, an ArsR-family transcriptional factor. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 1653-1658.	1.4	22
28	Development of Series of Affinity Tags in Streptomyces. Scientific Reports, 2017, 7, 6854.	1.6	2
29	Multiple transporters are involved in natamycin efflux in <scp>S</scp>treptomyces chattanoogensis L10. Molecular Microbiology, 2017, 103, 713-728.	1.2	21
30	DepR1, a TetR Family Transcriptional Regulator, Positively Regulates Daptomycin Production in an Industrial Producer, Streptomyces roseosporus SW0702. Applied and Environmental Microbiology, 2016, 82, 1898-1905.	1.4	35
31	Epigenetic Genome Mining of an Endophytic Fungus Leads to the Pleiotropic Biosynthesis of Natural Products. Angewandte Chemie - International Edition, 2015, 54, 7592-7596.	7.2	76
32	Transcriptional Regulation of the Daptomycin Gene Cluster in Streptomyces roseosporus by an Autoregulator, AtrA. Journal of Biological Chemistry, 2015, 290, 7992-8001.	1.6	69
33	Sigma factor WhiGch positively regulates natamycin production in Streptomyces chattanoogensis L10. Applied Microbiology and Biotechnology, 2015, 99, 2715-2726.	1.7	27
34	Efficient Biosynthesis of Fungal Polyketides Containing the Dioxabicyclo-octane Ring System. Journal of the American Chemical Society, 2015, 137, 11904-11907.	6.6	90
35	Identification and Biosynthetic Characterization of Natural Aromatic Azoxy Products from Streptomyces chattanoogensis L10. Organic Letters, 2015, 17, 6114-6117.	2.4	42
36	Proteasome involvement in a complex cascade mediating SigT degradation during differentiation of Streptomyces coelicolor. FEBS Letters, 2014, 588, 608-613.	1.3	9

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37	DptR2, a DeoR-type auto-regulator, is required for daptomycin production in Streptomyces roseosporus. Gene, 2014, 544, 208-215.	1.0	26
38	Dual Positive Feedback Regulation of Protein Degradation of an Extra-cytoplasmic Function Ïƒ Factor for Cell Differentiation in Streptomyces coelicolor. Journal of Biological Chemistry, 2013, 288, 31217-31228.	1.6	19
39	Positive Feedback Regulation of stgR Expression for Secondary Metabolism in Streptomyces coelicolor. Journal of Bacteriology, 2013, 195, 2072-2078.	1.0	35
40	Construction of over-expression shuttle vectors in Streptomyces. Annals of Microbiology, 2012, 62, 1541-1546.	1.1	7
41	Reciprocal Regulation between SigK and Differentiation Programs inStreptomyces coelicolor. Journal of Bacteriology, 2009, 191, 6473-6481.	1.0	30
42	Involvement of SigT and RstA in the differentiation of Streptomyces coelicolor. FEBS Letters, 2009, 583, 3145-3150.	1.3	28