

Huarong Tan

List of Publications by Year in descending order

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57
papers

2,081
citations

304743

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44
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docs citations

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times ranked

1669
citing authors

#	ARTICLE	IF	CITATIONS
1	A butenolide signaling system synergized with biosynthetic gene modules led to effective activation and enhancement of silent oviedomycin production in <i>Streptomyces</i> . <i>Metabolic Engineering</i> , 2022, 72, 289-296.	7.0	6
2	Reconstitution of a mini- ϵ -gene cluster combined with ribosome engineering led to effective enhancement of salinomycin production in <i>Streptomyces albus</i> . <i>Microbial Biotechnology</i> , 2021, 14, 2356-2368.	4.2	8
3	A widespread response of Gram-negative bacterial acyl-homoserine lactone receptors to Gram-positive <i>Streptomyces</i> β^3 -butyrolactone signaling molecules. <i>Science China Life Sciences</i> , 2021, 64, 1575-1589.	4.9	10
4	Activation of Cryptic Antibiotic Biosynthetic Gene Clusters Guided by RNA-seq Data from Both <i>Streptomyces ansochromogenes</i> and β^w bIA. <i>Antibiotics</i> , 2021, 10, 1097.	3.7	4
5	Molecular mechanism of mureidomycin biosynthesis activated by introduction of an exogenous regulatory gene <i>ssaA</i> into <i>Streptomyces roseosporus</i> . <i>Science China Life Sciences</i> , 2021, 64, 1949-1963.	4.9	12
6	Co-expression of a SARP Family Activator ChIF2 and a Type II Thioesterase ChIK Led to High Production of Chlorothricin in <i>Streptomyces antibioticus</i> DSM 40725. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1013.	4.1	10
7	Component Optimization of Neomycin Biosynthesis via the Reconstitution of a Combinatorial Mini-Gene-Cluster in <i>Streptomyces fradiae</i> . <i>ACS Synthetic Biology</i> , 2020, 9, 2493-2501.	3.8	11
8	Engineering nucleoside antibiotics toward the development of novel antimicrobial agents. <i>Journal of Antibiotics</i> , 2019, 72, 906-912.	2.0	12
9	Enhancement of neomycin production by engineering the entire biosynthetic gene cluster and feeding key precursors in <i>Streptomyces fradiae</i> CGMCC 4.576. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2263-2275.	3.6	21
10	Enhancement of salinomycin production by ribosome engineering in <i>Streptomyces albus</i> . <i>Science China Life Sciences</i> , 2019, 62, 276-279.	4.9	16
11	Important role of a LAL regulator StaR in the staurosporine biosynthesis and high-production of <i>Streptomyces fradiae</i> CGMCC 4.576. <i>Science China Life Sciences</i> , 2019, 62, 1638-1654.	4.9	19
12	NosP-Regulated Nosiheptide Production Responds to Both Peptidyl and Small-Molecule Ligands Derived from the Precursor Peptide. <i>Cell Chemical Biology</i> , 2018, 25, 143-153.e4.	5.2	15
13	SCO3129, a TetR family regulator, is responsible for osmotic stress in <i>Streptomyces coelicolor</i> . <i>Synthetic and Systems Biotechnology</i> , 2018, 3, 261-267.	3.7	10
14	Identification of a butenolide signaling system that regulates nikkomycin biosynthesis in <i>Streptomyces</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 20029-20040.	3.4	33
15	Activation and mechanism of a cryptic oviedomycin gene cluster via the disruption of a global regulatory gene, <i>adpA</i> , in <i>Streptomyces ansochromogenes</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 19708-19720.	3.4	62
16	Reconstruction of a hybrid nucleoside antibiotic gene cluster based on scarless modification of large DNA fragments. <i>Science China Life Sciences</i> , 2017, 60, 968-979.	4.9	13
17	Neomycin biosynthesis is regulated positively by AfsA-g and NeoR in <i>Streptomyces fradiae</i> CGMCC 4.7387. <i>Science China Life Sciences</i> , 2017, 60, 980-991.	4.9	15
18	Biosynthesis and molecular regulation of secondary metabolites in microorganisms. <i>Science China Life Sciences</i> , 2017, 60, 935-938.	4.9	25

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19	Biosynthesis and combinatorial biosynthesis of antifungal nucleoside antibiotics. <i>Science China Life Sciences</i> , 2017, 60, 939-947.	4.9	17
20	Specialised metabolites regulating antibiotic biosynthesis in <i>Streptomyces</i> spp.. <i>FEMS Microbiology Reviews</i> , 2016, 40, 554-573.	8.6	137
21	Coordinative Modulation of Chlorothricin Biosynthesis by Binding of the Glycosylated Intermediates and End Product to a Responsive Regulator ChlF1. <i>Journal of Biological Chemistry</i> , 2016, 291, 5406-5417.	3.4	29
22	Identification of novel mureidomycin analogues via rational activation of a cryptic gene cluster in <i>Streptomyces roseosporus</i> NRRL 15998. <i>Scientific Reports</i> , 2015, 5, 14111.	3.3	27
23	Identification of novel tylosin analogues generated by a <i>wblA</i> disruption mutant of <i>Streptomyces ansochromogenes</i> . <i>Microbial Cell Factories</i> , 2015, 14, 173.	4.0	25
24	Genome engineering and direct cloning of antibiotic gene clusters via phage ϕ BT1 integrase-mediated site-specific recombination in <i>Streptomyces</i> . <i>Scientific Reports</i> , 2015, 5, 8740.	3.3	62
25	Activation and enhancement of Fredericamycin A production in deepsea-derived <i>Streptomyces somaliensis</i> SCSIO ZH66 by using ribosome engineering and response surface methodology. <i>Microbial Cell Factories</i> , 2015, 14, 64.	4.0	35
26	Transcriptomic Analysis of <i>Thermoanaerobacter tengcongensis</i> Grown at Different Temperatures by RNA Sequencing. <i>Journal of Genetics and Genomics</i> , 2015, 42, 335-338.	3.9	2
27	Nucleoside antibiotics: biosynthesis, regulation, and biotechnology. <i>Trends in Microbiology</i> , 2015, 23, 110-119.	7.7	100
28	A γ -butyrolactone-sensing activator/repressor, <i>JadR3</i> , controls a regulatory network for jadomycin biosynthesis. <i>Molecular Microbiology</i> , 2014, 94, 490-505.	2.5	82
29	Improvement of gougierotin and nikkomycin production by engineering their biosynthetic gene clusters. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6383-6396.	3.6	50
30	Biosynthesis and regulation of secondary metabolites in microorganisms. <i>Science China Life Sciences</i> , 2013, 56, 581-583.	4.9	18
31	<i>jadR*</i> and <i>jadR2</i> act synergistically to repress jadomycin biosynthesis. <i>Science China Life Sciences</i> , 2013, 56, 584-590.	4.9	15
32	Assembly and features of secondary metabolite biosynthetic gene clusters in <i>Streptomyces ansochromogenes</i> . <i>Science China Life Sciences</i> , 2013, 56, 609-618.	4.9	11
33	Molecular Regulation of Antibiotic Biosynthesis in <i>Streptomyces</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 112-143.	6.6	611
34	Combined gene cluster engineering and precursor feeding to improve gougierotin production in <i>Streptomyces graminearus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 10469-10477.	3.6	23
35	Functional Properties of <i>Pediococcus</i> Species Isolated from Traditional Fermented Cereal Gruel and Milk in Nigeria. <i>Food Biotechnology</i> , 2013, 27, 14-38.	1.5	15
36	Cloning, Heterologous Expression, and Characterization of the Gene Cluster Required for Gougierotin Biosynthesis. <i>Chemistry and Biology</i> , 2013, 20, 34-44.	6.0	26

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37	<scp>JadR</scp>*â€‘mediated feedâ€‘forward regulation of cofactor supply in jadomycin biosynthesis. <i>Molecular Microbiology</i> , 2013, 90, 884-897.	2.5	42
38	Three functional replication origins of the linear and artificially circularized plasmid SCP1 of <i>Streptomyces coelicolor</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 2127-2140.	1.8	2
39	Phenotypic and Genotypic Characterization of Lactic Acid Bacteria Isolated from Some Nigerian Traditional Fermented Foods. <i>Food Biotechnology</i> , 2012, 26, 124-142.	1.5	35
40	Importance and regulation of inositol biosynthesis during growth and differentiation of <i>Streptomyces</i> . <i>Molecular Microbiology</i> , 2012, 83, 1178-1194.	2.5	33
41	Crystal structure and site-directed mutagenesis of a nitroalkane oxidase from <i>Streptomyces ansochromogenes</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 344-348.	2.1	13
42	Hybrid antibiotics with the nikkomycin nucleoside and polyoxin peptidyl moieties. <i>Metabolic Engineering</i> , 2011, 13, 336-344.	7.0	37
43	â€‘Pseudoâ€‘ β -Butyrolactone Receptors Respond to Antibiotic Signals to Coordinate Antibiotic Biosynthesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 27440-27448.	3.4	142
44	Autoregulation of hpdR and its effect on CDA biosynthesis in <i>Streptomyces coelicolor</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 2641-2648.	1.8	7
45	SanG, a transcriptional activator, controls nikkomycin biosynthesis through binding to the sanNâ€‘sanO intergenic region in <i>Streptomyces ansochromogenes</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 828-837.	1.8	29
46	polR, a pathway-specific transcriptional regulatory gene, positively controls polyoxin biosynthesis in <i>Streptomyces cacaoi</i> subsp. <i>asoensis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 1819-1831.	1.8	45
47	The role of a purine-specific nucleoside hydrolase in spore germination of <i>Bacillus thuringiensis</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 1333-1340.	1.8	31
48	A novel <i>Streptomyces</i> gene, samR, with different effects on differentiation of <i>Streptomyces ansochromogenes</i> and <i>Streptomyces coelicolor</i> . <i>Archives of Microbiology</i> , 2002, 177, 274-278.	2.2	16
49	Two tandem promoters to increase gene expression in <i>Lactococcus lactis</i> . <i>Biotechnology Letters</i> , 2002, 24, 1669-1672.	2.2	13
50	Molecular regulation of development and differentiation in <i>Streptomyces</i> . <i>Science Bulletin</i> , 2001, 46, 177-178.	1.7	0
51	Cloning, Sequencing, and Function of sanF : A Gene Involved in Nikkomycin Biosynthesis of <i>Streptomyces ansochromogenes</i> . <i>Current Microbiology</i> , 2000, 41, 312-316.	2.2	37
52	The function of a regulatory gene,scrX related to differentiation in <i>Streptomyces coelicolor</i> . <i>Science in China Series C: Life Sciences</i> , 2000, 43, 157-168.	1.3	1
53	Structure and function of sawB, a gene involved in differentiation of <i>Streptomyces ansochromogenes</i> . <i>Science in China Series C: Life Sciences</i> , 2000, 43, 376-386.	1.3	0
54	Cloning, sequencing and function of sanA, a gene involved in nikkomycin biosynthesis of <i>Streptomyces ansochromogenes</i> . <i>Science in China Series C: Life Sciences</i> , 2000, 43, 30-38.	1.3	6

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55	Cloning, sequencing and function of <i>sanB</i> , a gene related to nikkomycin biosynthesis of <i>Streptomyces ansochromogenes</i> . <i>Science Bulletin</i> , 2000, 45, 2158-2162.	1.7	4
56	A novel gene <i>samfR</i> involved in early stage of <i>Streptomyces ansochromogenes</i> differentiation. <i>Science in China Series C: Life Sciences</i> , 1999, 42, 570-576.	1.3	1
57	In vivo transcription of two promoters, PTH4 and PTH270 involved in regulation of <i>Streptomyces</i> differentiation. <i>Science in China Series C: Life Sciences</i> , 1997, 40, 246-250.	1.3	0