Gang Liu

List of Publications by Year
in descending order

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62 papers	1,951 citations	257450 24 h-index	265206 42 g-index
65 all docs	65 docs citations	65 times ranked	1922 citing authors

#	Article	IF	Citations
1	Remarkable enhancement of bleomycin production through precise amplification of its biosynthetic gene cluster in Streptomyces verticillus. Science China Life Sciences, 2022, 65, 1248-1256.	4.9	6
2	Avermectin B1a production in Streptomyces avermitilis is enhanced by engineering aveC and precursor supply genes. Applied Microbiology and Biotechnology, 2022, 106, 2191-2205.	3.6	9
3	Sorbicillinoid Derivatives with the Radical Scavenging Activities from the Marine-Derived Fungus Acremonium chrysogenum C10. Journal of Fungi (Basel, Switzerland), 2022, 8, 530.	3.5	8
4	Metatranscriptomics Unravel Composition, Drivers, and Functions of the Active Microorganisms in Light-Flavor Liquor Fermentation. Microbiology Spectrum, 2022, 10, .	3.0	8
5	Multiplying the heterologous production of spinosad through tandem amplification of its biosynthetic gene cluster in Streptomyces coelicolor. Microbial Biotechnology, 2021, , .	4.2	5
6	Improvement of the CRISPR-Cas9 mediated gene disruption and large DNA fragment deletion based on a chimeric promoter in Acremonium chrysogenum. Fungal Genetics and Biology, 2020, 134, 103279.	2.1	15
7	The disruption of verM activates the production of gliocladiosin A and B in Clonostachys rogersoniana. Organic and Biomolecular Chemistry, 2019, 17, 6782-6785.	2.8	4
8	Identification and Characterization of an Autophagy-Related Gene Acatg12 in Acremonium chrysogenum. Current Microbiology, 2019, 76, 545-551.	2.2	6
9	Identification of the gene cluster for bistropolone-humulene meroterpenoid biosynthesis in Phoma sp.. Fungal Genetics and Biology, 2019, 129, 7-15.	2.1	26
10	Rogersonins A and B, Imidazolone N-Oxide-Incorporating Indole Alkaloids from a verG Disruption Mutant of Clonostachys rogersoniana. Journal of Natural Products, 2019, 82, 462-468.	3.0	14
11	Characterization of a Prenyltransferase for Iso-A82775C Biosynthesis and Generation of New Congeners of Chloropestolides. ACS Chemical Biology, 2018, 13, 703-711.	3.4	33
12	SCO3129, a TetR family regulator, is responsible for osmotic stress in Streptomyces coelicolor. Synthetic and Systems Biotechnology, 2018, 3, 261-267.	3.7	10
13	Enhancing the production of cephalosporin C through modulating the autophagic process of Acremonium chrysogenum. Microbial Cell Factories, 2018, 17, 175.	4.0	8
14	Analysis of Secondary Metabolites from Plant Endophytic Fungi. Methods in Molecular Biology, 2018, 1848, 25-38.	0.9	41
15	Metabolic engineering of Acremonium chrysogenum for improving cephalosporin C production independent of methionine stimulation. Microbial Cell Factories, 2018, 17, 87.	4.0	9
16	Heterologous Biosynthesis of the Fungal Sesquiterpene Trichodermol in Saccharomyces cerevisiae. Frontiers in Microbiology, 2018, 9, 1773.	3.5	10
17	A Myb transcription factor represses conidiation and cephalosporin C production in Acremonium chrysogenum. Fungal Genetics and Biology, 2018, 118, 1-9.	2.1	6
18	COP9 signalosome subunit PfCsnE regulates secondary metabolism and conidial formation in Pestalotiopsis fici. Science China Life Sciences, 2017, 60, 656-664.	4.9	15

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19	Identification and characterization of the verticillin biosynthetic gene cluster in Clonostachys rogersoniana. Fungal Genetics and Biology, 2017, 103, 25-33.	2.1	19
20	Functional analysis of the selective autophagy related gene Acatg11 in Acremonium chrysogenum. Fungal Genetics and Biology, 2017, 107, 67-76.	2.1	13
21	A GATA-type transcription factor AcAREB for nitrogen metabolism is involved in regulation of cephalosporin biosynthesis in Acremonium chrysogenum. Science China Life Sciences, 2017, 60, 958-967.	4.9	14
22	VerZ, a Zn(II)2Cys6 DNA-binding protein, regulates the biosynthesis of verticillin in Clonostachys rogersoniana. Microbiology (United Kingdom), 2017, 163, 1654-1663.	1.8	6
23	The application of CRISPR/Cas9 in genome editing of filamentous fungi. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2017, 39, 355-367.	0.2	4
24	A Regulatory Gene SCO2140 is Involved in Antibiotic Production and Morphological Differentiation of Streptomyces coelicolor A3(2). Current Microbiology, 2016, 73, 196-201.	2.2	8
25	GntR family regulator SCO6256 is involved in antibiotic production and conditionally regulates the transcription of myo-inositol catabolic genes in Streptomyces coelicolor A3(2). Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	17
26	Research advances on microbial genetics in China in 2015. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2016, 38, 765-90.	0.2	0
27	New Bergamotane Sesquiterpenoids from the Plant Endophytic Fungus Paraconiothyrium brasiliense. Molecules, 2015, 20, 14611-14620.	3.8	28
28	Regulation of myo-inositol catabolism by a GntR-type repressor SCO6974 in Streptomyces coelicolor. Applied Microbiology and Biotechnology, 2015, 99, 3141-3153.	3.6	13
29	Genomic and transcriptomic analysis of the endophytic fungus Pestalotiopsis fici reveals its lifestyle and high potential for synthesis of natural products. BMC Genomics, 2015, 16, 28.	2.8	102
30	AcstuA , which encodes an APSES transcription regulator, is involved in conidiation, cephalosporin biosynthesis and cell wall integrity of Acremonium chrysogenum. Fungal Genetics and Biology, 2015, 83, 26-40.	2.1	32
31	The autophagy-related gene Acatg1 is involved in conidiation and cephalosporin production in Acremonium chrysogenum. Fungal Genetics and Biology, 2014, 69, 65-74.	2.1	17
32	Identification of the First Diphenyl Ether Gene Cluster for Pestheic Acid Biosynthesis in Plant Endophyte Pestalotiopsis fici. ChemBioChem, 2014, 15, 284-292.	2.6	60
33	Disruption of rimP-SC, encoding a ribosome assembly cofactor, markedly enhances the production of several antibiotics in Streptomyces coelicolor. Microbial Cell Factories, 2013, 12, 65.	4.0	13
34	The thioredoxin reductase-encoding gene ActrxR1 is involved in the cephalosporin C production of Acremonium chrysogenum in methionine-supplemented medium. Applied Microbiology and Biotechnology, 2013, 97, 2551-2562.	3.6	14
35	Molecular Regulation of Antibiotic Biosynthesis in Streptomyces. Microbiology and Molecular Biology Reviews, 2013, 77, 112-143.	6.6	611
36	Disruption of the nitrogen regulatory gene AcareA in Acremonium chrysogenum leads to reduction of cephalosporin production and repression of nitrogen metabolism. Fungal Genetics and Biology, 2013, 61, 69-79.	2.1	33

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37	A septation related gene AcsepH in Acremonium chrysogenum is involved in the cellular differentiation and cephalosporin production. Fungal Genetics and Biology, 2013, 50, 11-20.	2.1	21
38	Spiroketals of Pestalotiopsis fici Provide Evidence for a Biosynthetic Hypothesis Involving Diversified Dielsâ€“Alder Reaction Cascades. Journal of Organic Chemistry, 2013, 78, 2992-3000.	3.2	45
39	Neonectrolide A, a New Oxaphenalenone Spiroketal from the Fungus Neonectria sp.. Organic Letters, 2012, 14, 6226-6229.	4.6	36
40	Disruption of a glutathione reductase encoding gene in Acremonium chrysogenum leads to reduction of its growth, cephalosporin production and antioxidative ability which is recovered by exogenous methionine. Fungal Genetics and Biology, 2012, 49, 114-122.	2.1	25
41	Amplification of an MFS Transporter Encoding Gene penT Significantly Stimulates Penicillin Production and Enhances the Sensitivity of Penicillium chrysogenum to Phenylacetic Acid. Journal of Genetics and Genomics, 2012, 39, 593-602.	3.9	18
42	A Spiro[chroman-3,7â€²-isochromene]-4,6â€²(8â€²H)-dione from the Cordyceps-Colonizing Fungus Fimetariella sp.. Organic Letters, 2012, 14, 3320-3323.	4.6	26
43	Importance and regulation of inositol biosynthesis during growth and differentiation of Streptomyces. Molecular Microbiology, 2012, 83, 1178-1194.	2.5	33
44	Over-expression of pcvA involved in vesicleâ€“vacuolar fusion affects the conidiation and penicillin production in Penicillium chrysogenum. Biotechnology Letters, 2012, 34, 519-526.	2.2	16
45	Expression of cefF significantly decreased deacetoxycephalosporin C formation during cephalosporin C production in Acremonium chrysogenum. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 269-274.	3.0	7
46	SabR enhances nikkomycin production via regulating the transcriptional level of sanG, a pathway-specific regulatory gene in Streptomyces ansochromogenes. BMC Microbiology, 2011, 11, 164.	3.3	19
47	PolY, a transcriptional regulator with ATPase activity, directly activates transcription of polR in polyoxin biosynthesis in Streptomyces cacaoi. Molecular Microbiology, 2010, 75, 349-364.	2.5	41
48	Characterization of EndoTT, a novel single-stranded DNA-specific endonuclease from Thermoanaerobacter tengcongensis. Nucleic Acids Research, 2010, 38, 3709-3720.	14.5	1
49	Autoregulation of hpdR and its effect on CDA biosynthesis in Streptomyces coelicolor. Microbiology (United Kingdom), 2010, 156, 2641-2648.	1.8	7
50	SanG, a transcriptional activator, controls nikkomycin biosynthesis through binding to the sanNâ€“sanO intergenic region in Streptomyces ansochromogenes. Microbiology (United Kingdom), 2010, 156, 828-837.	1.8	29
51	polR, a pathway-specific transcriptional regulatory gene, positively controls polyoxin biosynthesis in Streptomyces cacaoi subsp. asoensis. Microbiology (United Kingdom), 2009, 155, 1819-1831.	1.8	45
52	The pleiotropic regulator AdpAâ€ directly controls the pathwayâ€specific activator of nikkomycin biosynthesis in Streptomyces ansochromogenes. Molecular Microbiology, 2009, 72, 710-723.	2.5	63
53	The role of a purine-specific nucleoside hydrolase in spore germination of Bacillus thuringiensis. Microbiology (United Kingdom), 2008, 154, 1333-1340.	1.8	31
54	SanM catalyzes the formation of 4-pyridyl-2-oxo-4-hydroxyisovalerate in nikkomycin biosynthesis by interacting with SanN. Biochemical and Biophysical Research Communications, 2007, 361, 196-201.	2.1	29

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55	The tyrosine degradation gene hppD is transcriptionally activated by HpdA and repressed by HpdR in Streptomyces coelicolor, while hpdA is negatively autoregulated and repressed by HpdR. Molecular Microbiology, 2007, 65, 1064-1077.	2.5	32
56	Identification and characterization of sawC, a whiA-like gene, essential for sporulation in Streptomyces ansochromogenes. Archives of Microbiology, 2007, 188, 575-582.	2.2	6
57	Cloning and Identification of a Gene Encoding Spore Cortex-Lytic Enzyme in Bacillus thuringiensis. Current Microbiology, 2007, 54, 292-295.	2.2	13
58	Identification and Characterization of sanH and sanI Involved in the Hydroxylation of Pyridyl Residue During Nikkomycin Biosynthesis in Streptomyces ansochromogenes. Current Microbiology, 2007, 55, 537-542.	2.2	15
59	SanJ, an ATP-dependent picolinate-CoA ligase, catalyzes the conversion of picolinate to picolinate-CoA during nikkomycin biosynthesis in Streptomyces ansochromogenes. Metabolic Engineering, 2006, 8, 183-195.	7.0	25
60	A pathway-specific transcriptional regulatory gene for nikkomycin biosynthesis inStreptomyces ansochromogenesthat also influences colony development. Molecular Microbiology, 2005, 55, 1855-1866.	2.5	102
61	Targeted Inactivation of the mecB Gene, Encoding Cystathionine-Î³-Lyase, Shows that the Reverse Transsulfuration Pathway Is Required for High-Level Cephalosporin Biosynthesis in Acremonium chrysogenum C10 but Not for Methionine Induction of the Cephalosporin Genes. Journal of Bacteriology, 2001, 183, 1765-1772.	2.2	38
62	A novel geneâ€"samfR involved in early stage ofStreptomyces ansochromogenes differentiation. Science in China Series C: Life Sciences, 1999, 42, 570-576.	1.3	1