Xiangcheng Zhu

List of Publications by Year
in descending order

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81	1,940	257450 24	289244 40
papers	citations	h-index	g-index

83	83	83	2433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Medium optimization and subsequent fermentative regulation enabled the scaledâ€up production of antiâ€tuberculosis drug leads ilamycinâ€E1/E2. Biotechnology Journal, 2022, 17, e2100427.	3.5	5
2	Liposome-Encapsulated Tiancimycin A Is Active against Melanoma and Metastatic Breast Tumors: The Effect of cRGD Modification of the Liposomal Carrier and Tiancimycin A Dose on Drug Activity and Toxicity. Molecular Pharmaceutics, 2022, 19, 1078-1090.	4.6	9
3	Characterization and application of a thermophilic Argonaute from archaeon Thermococcus thioreducens. Biotechnology and Bioengineering, 2022, 119, 2388-2398.	3.3	8
4	Preparation of a hydroxyapatiteâ€“silver gradient bioactive ceramic coating with porous structure by laser cladding: A study of in vitro bioactivity. Ceramics International, 2022, 48, 30468-30481.	4.8	8
5	Genome mining of Streptomyces sp. CB00271 as a natural highâ€producer of Î²â€rubromycin and the resulting discovery of Î²â€rubromycin acid. Biotechnology and Bioengineering, 2021, 118, 2243-2254.	3.3	5
6	Deoxidized gulose moiety attenuates the pulmonary toxicity of 6'-deoxy-bleomycin Z without effect on its antitumor activity. Biomedicine and Pharmacotherapy, 2021, 136, 111222.	5.6	0
7	Genome mining of novel rubiginones from Streptomyces sp. CB02414 and characterization of the post-PKS modification steps in rubiginone biosynthesis. Microbial Cell Factories, 2021, 20, 192.	4.0	2
8	Characterization of Chalkophomycin, a Copper(II) Metallophore with an Unprecedented Molecular Architecture. Journal of the American Chemical Society, 2021, 143, 20579-20584.	13.7	18
9	Surfactin Ameliorated the Internalization and Inhibitory Performances of Bleomycin Family Compounds in Tumor Cells. Molecular Pharmaceutics, 2020, 17, 2125-2134.	4.6	7
10	Construction of Inducible Genetic Switch for the Global Regulator WblA To Sustain Both Overproduction of Tiancimycins and On-Demand Sporulation in Streptomyces sp. CB03234. ACS Synthetic Biology, 2020, 9, 1460-1467.	3.8	10
11	Genome shuffling based on different types of ribosome engineering mutants for enhanced production of 10-membered enediyne tiancimycin-A. Applied Microbiology and Biotechnology, 2020, 104, 4359-4369.	3.6	16
12	The Isolation of Pyrroloformamide Congeners and Characterization of Their Biosynthetic Gene Cluster. Journal of Natural Products, 2020, 83, 202-209.	3.0	5
13	Platensimycin-Encapsulated Poly(lactic-co-glycolic acid) and Poly(amidoamine) Dendrimers Nanoparticles with Enhanced Anti-Staphylococcal Activity in Vivo. Bioconjugate Chemistry, 2020, 31, 1425-1437.	3.6	22
14	Antitubercular Ilamycins from Marine-Derived Streptomyces atratus SCSIO ZH16 Î”ilaR. Journal of Natural Products, 2020, 83, 1646-1657.	3.0	17
15	Efficient production of glutathione with multi-pathway engineering in Corynebacterium glutamicum. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1685-1695.	3.0	7
16	A 3â€hydroxyâ€3â€methylglutarylâ€CoA synthaseâ€based probe for the discovery of the acyltransferaseâ€less type I polyketide synthases. Environmental Microbiology, 2019, 21, 4270-4282.	3.8	1
17	Yangpumicins F and G, Enediyne Congeners from Micromonospora yangpuensis DSM 45577. Journal of Natural Products, 2019, 82, 2483-2488.	3.0	23
18	Recycling of Chinese herb residues by endophytic and probiotic fungus Aspergillus cristatus CB10002 for the production of medicinal valuable anthraquinones. Microbial Cell Factories, 2019, 18, 102.	4.0	27

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19	Discovery of gas vesicles in Streptomyces sp. CB03234-S and potential effects of gas vesicle gene overexpression on morphological and metabolic changes in streptomycetes. Applied Microbiology and Biotechnology, 2019, 103, 5751-5761.	3.6	12
20	Discovery of Kirromycins with Anti-Wolbachia Activity from Streptomyces sp. CB00686. ACS Chemical Biology, 2019, 14, 1174-1182.	3.4	7
21	Semisynthesis of 3â€Hydroxyoxindole Rapamycin Analogues Through Siteâ€•and Stereoselective Trapping of Oxonium Ylides in Rh^{II}â€Catalyzed Threeâ€Component Reactions. European Journal of Organic Chemistry, 2019, 2019, 2914-2918.	2.4	5
22	Streptomycinâ€•induced ribosome engineering complemented with fermentation optimization for enhanced production of 10â€•membered enediynes tiancimycinâ€A and tiancimycinâ€D. Biotechnology and Bioengineering, 2019, 116, 1304-1314.	3.3	28
23	Herbicidins from Streptomyces sp. CB01388 Showing Anti-Cryptosporidium Activity. Journal of Natural Products, 2018, 81, 791-797.	3.0	12
24	The semi-synthesis, biological evaluation and docking analysis of the oxime, hydrazine and hydrazide derivatives of platensimycin. MedChemComm, 2018, 9, 789-794.	3.4	12
25	Ribosome engineering and fermentation optimization leads to overproduction of tiancimycin A, a new enediyne natural product from Streptomyces sp. CB03234. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 141-151.	3.0	29
26	Biomimetic Stereoselective Sulfa-Michael Addition Leads to Platensimycin and Platencin Sulfur Analogues against Methicillin-Resistant Staphylococcus aureus. Journal of Natural Products, 2018, 81, 316-322.	3.0	17
27	Discovery of Alternative Producers of the Enediyne Antitumor Antibiotic C-1027 with High Titers. Journal of Natural Products, 2018, 81, 594-599.	3.0	13
28	Strain improvement by combined UV mutagenesis and ribosome engineering and subsequent fermentation optimization for enhanced 6â€²-deoxy-bleomycin Z production. Applied Microbiology and Biotechnology, 2018, 102, 1651-1661.	3.6	25
29	Semisynthesis and Biological Evaluation of Platensimycin Analogues with Varying Aminobenzoic Acids. ChemistrySelect, 2018, 3, 12625-12629.	1.5	6
30	Huanglongmycin A-C, Cytotoxic Polyketides Biosynthesized by a Putative Type II Polyketide Synthase From Streptomyces sp. CB09001. Frontiers in Chemistry, 2018, 6, 254.	3.6	28
31	The discovery and development of microbial bleomycin analogues. Applied Microbiology and Biotechnology, 2018, 102, 6791-6798.	3.6	17
32	Antibacterial and Antitumor Potential of Actinomycetes Isolated from Mangrove Soil in the Maowei Sea of the Southern Coast of China. Iranian Journal of Pharmaceutical Research, 2018, 17, 1339-1346.	0.5	9
33	Cytotoxic rearranged angucycline glycosides from deep sea-derived Streptomyces lusitanus SCSIO LR32. Journal of Antibiotics, 2017, 70, 819-822.	2.0	22
34	Antimicrobial Spirotetronate Metabolites from Marine-Derived Micromonospora harpali SCSIO GJ089. Journal of Natural Products, 2017, 80, 1594-1603.	3.0	34
35	A facile semi-synthetic approach towards halogen-substituted aminobenzoic acid analogues of platensimycin. Tetrahedron, 2017, 73, 771-775.	1.9	11
36	Discovery of the leinamycin family of natural products by mining actinobacterial genomes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11131-E11140.	7.1	84

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37	Germicidins Hâ€“J from Streptomyces sp. CB00361. Journal of Antibiotics, 2017, 70, 200-203.	2.0	11
38	New isofuranonaphthoquinones and isoindolequinones from Streptomyces sp. CB01883. Journal of Antibiotics, 2017, 70, 414-422.	2.0	7
39	Strain Prioritization and Genome Mining for Enediyne Natural Products. MBio, 2016, 7, .	4.1	89
40	Titer improvement and pilot-scale production of platensimycin from Streptomyces platensis SB12026. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1027-1035.	3.0	25
41	Improving the productivity of S -adenosyl- l -methionine by metabolic engineering in an industrial Saccharomyces cerevisiae strain. Journal of Biotechnology, 2016, 236, 64-70.	3.8	22
42	Improving the productivity of 19,20-epoxy-cytochalasin Q in Xylaria sp. sof11 with culture condition optimization. Preparative Biochemistry and Biotechnology, 2016, 46, 461-466.	1.9	4
43	Engineering of global regulator cAMP receptor protein (CRP) in Escherichia coli for improved lycopene production. Journal of Biotechnology, 2015, 199, 55-61.	3.8	29
44	Biodegradation of Acetochlor by a Newly Isolated Pseudomonas Strain. Applied Biochemistry and Biotechnology, 2015, 176, 636-644.	2.9	7
45	Angucyclines and Angucyclinones from Streptomyces sp. CB01913 Featuring C-Ring Cleavage and Expansion. Journal of Natural Products, 2015, 78, 2471-2480.	3.0	41
46	A novel approach for polyâ€Î³â€glutamic acid production using xylose and corncob fibres hydrolysate in Bacillus subtillis<scp>HB</scp>â€1. Journal of Chemical Technology and Biotechnology, 2014, 89, 616-622.	3.2	35
47	Mechanisms and strategies of microbial cometabolism in the degradation of organic compounds â€“ chlorinated ethylenes as the model. Water Science and Technology, 2014, 69, 1971-1983.	2.5	37
48	Strain Prioritization for Natural Product Discovery by a High-Throughput Real-Time PCR Method. Journal of Natural Products, 2014, 77, 2296-2303.	3.0	75
49	Reconstitution of the peptidoglycan cytoplasmic precursor biosynthetic pathway in cell-free system and rapid screening of antisense oligonucleotides for Mur enzymes. Applied Microbiology and Biotechnology, 2014, 98, 1785-1794.	3.6	13
50	Biosynthetic Potential-Based Strain Prioritization for Natural Product Discovery: A Showcase for Diterpenoid-Producing Actinomycetes. Journal of Natural Products, 2014, 77, 377-387.	3.0	45
51	Identification and Characterization of a New Erythromycin Biosynthetic Gene Cluster in Actinopolyspora erythraea YIM90600, a Novel Erythronolide-Producing Halophilic Actinomycete Isolated from Salt Field. PLoS ONE, 2014, 9, e108129.	2.5	17
52	Enhanced production of l-tryptophan with glucose feeding and surfactant addition and related metabolic flux redistribution in the recombinant Escherichia coli. Food Science and Biotechnology, 2013, 22, 207-214.	2.6	11
53	High-level exogenous glutamic acid-independent production of poly-(Î³-glutamic acid) with organic acid addition in a new isolated Bacillus subtilis C10. Bioresource Technology, 2012, 116, 241-246.	9.6	57
54	Efficient production of l-lactic acid from hydrolysate of Jerusalem artichoke with immobilized cells of Lactococcus lactis in fibrous bed bioreactors. Enzyme and Microbial Technology, 2012, 51, 263-268.	3.2	36

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55	Recent advances in inkjet dispensing technologies: applications in drug discovery. Expert Opinion on Drug Discovery, 2012, 7, 761-770.	5.0	14
56	Toxic effects of acrylic acid on <scp>C</scp>lostridium propionicum and isolation of acrylic acidâ€tolerant mutants for production of acrylic acid. Engineering in Life Sciences, 2012, 12, 567-573.	3.6	12
57	Highâ€level production of soluble pyrroloquinoline quinoneâ€dependent glucose dehydrogenase in <scp>E</scp>scherichia coli. Engineering in Life Sciences, 2012, 12, 574-582.	3.6	10
58	Improving the productivity of propionic acid with FBB-immobilized cells of an adapted acid-tolerant Propionibacterium acidipropionici. Bioresource Technology, 2012, 112, 248-253.	9.6	67
59	High-level production of soluble adenine nucleotide translocator from Schistosoma japonicum in E. coli cell-free system. Process Biochemistry, 2012, 47, 395-400.	3.7	2
60	Functional expression of Bacillus subtilis xylanase A in an Escherichia coli derived cell-free protein synthesis system and subsequent expression improvement via DNA gel technique. Process Biochemistry, 2012, 47, 1186-1191.	3.7	4
61	Refolding and two-step purification by hydrophobic interaction chromatography of recombinant human bone morphogenetic protein-2 from Escherichia coli. Process Biochemistry, 2012, 47, 960-967.	3.7	16
62	Effects of carbon/nitrogen ratio, dissolved oxygen and impeller type on gellan gum production in Sphingomonas paucimobilis. Annals of Microbiology, 2012, 62, 299-305.	2.6	12
63	Biocatalytic production of ethyl butyrate from butyric acid with immobilized Candida rugosa lipase on cotton cloth. Journal of Molecular Catalysis B: Enzymatic, 2011, 72, 139-144.	1.8	43
64	Cloning and characterization of purine nucleoside phosphorylase in Escherichia coli and subsequent ribavirin biosynthesis using immobilized recombinant cells. Enzyme and Microbial Technology, 2011, 48, 438-444.	3.2	15
65	Titer improvement of iso-migrastatin in selected heterologous Streptomyces hosts and related analysis of mRNA expression by quantitative RTâ€“PCR. Applied Microbiology and Biotechnology, 2011, 89, 1709-1719.	3.6	22
66	Efficient production of butyric acid from Jerusalem artichoke by immobilized Clostridium tyrobutyricum in a fibrous-bed bioreactor. Bioresource Technology, 2011, 102, 3923-3926.	9.6	93
67	Construction of an efficient Escherichia coli cellâ€free system for in vitro expression of several kinds of proteins. Engineering in Life Sciences, 2010, 10, 333-338.	3.6	8
68	Advances in Understanding the Biosynthesis of Fumonisins. ACS Symposium Series, 2010, , 167-182.	0.5	3
69	Improved production of the tallysomycin H-1 in Streptoalloteichus hindustanus SB8005 strain by fermentation optimization. Applied Microbiology and Biotechnology, 2010, 86, 1345-1353.	3.6	11
70	Iso-migrastatin titer improvement in the engineered Streptomyces lividans SB11002 strain by optimization of fermentation conditions. Biotechnology and Bioprocess Engineering, 2010, 15, 664-669.	2.6	6
71	The biosynthesis and bioactivity evaluation of the cytosine-substituted mildiomycin analogue (MIL-C) for controlling powder mildew. World Journal of Microbiology and Biotechnology, 2010, 26, 649-655.	3.6	5
72	Generation of high rapamycin producing strain via rational metabolic pathwayâ€based mutagenesis and further titer improvement with fedâ€batch bioprocess optimization. Biotechnology and Bioengineering, 2010, 107, 506-515.	3.3	45

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73	Preparative Scale Production of Functional Mouse Aquaporin 4 Using Different Cell-Free Expression Modes. PLoS ONE, 2010, 5, e12972.	2.5	41
74	Introduction of the AAL-Toxin Polyketide Synthase Gene ALT1 into FUM1-disrupted Fusarium verticillioides Produces Metabolites with the Fumonisin Methylation Pattern. Journal of Natural Products, 2009, 72, 1328-1330.	3.0	3
75	Fumonisin level in corn-based food and feed from Linxian County, a high-risk area for esophageal cancer in china. Food Chemistry, 2008, 106, 241-246.	8.2	39
76	Functional Complementation of Fumonisin Biosynthesis in FUM1-Disrupted Fusarium verticillioides by the AAL-Toxin Polyketide Synthase Gene ALT1 from Alternaria alternata f. sp. Lycopersici. Journal of Natural Products, 2008, 71, 957-960.	3.0	21
77	Structure and Biosynthesis of Heat-Stable Antifungal Factor (HSAF), a Broad-Spectrum Antimycotic with a Novel Mode of Action. Antimicrobial Agents and Chemotherapy, 2007, 51, 64-72.	3.2	246
78	Production of Dihydroisocoumarins in Fusarium verticillioides by Swapping Ketosynthase Domain of the Fungal Iterative Polyketide Synthase Fum1p with That of Lovastatin Diketide Synthase. Journal of the American Chemical Society, 2007, 129, 36-37.	13.7	34
79	Biochemical and Molecular Analysis of the Biosynthesis of Fumonisins. ACS Symposium Series, 2007, , 81-96.	0.5	3
80	Developing a genetic system for functional manipulations ofFUM1, a polyketide synthase gene for the biosynthesis of fumonisins inFusarium verticillioides. FEMS Microbiology Letters, 2005, 248, 257-264.	1.8	23
81	Viscometric study of poly(vinyl chloride)/poly(vinyl acetate) blends in various solvents. European Polymer Journal, 2002, 38, 333-337.	5.4	20