

Lixin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

221
papers

12,581
citations

38742

50
h-index

31849

101
g-index

232
all docs

232
docs citations

232
times ranked

16878
citing authors

#	ARTICLE	IF	CITATIONS
1	OvoA_{Mtht} from <i>Methyloversatilis thermotolerans</i> ovothiol biosynthesis is a bifunction enzyme: thiol oxygenase and sulfoxide synthase activities. <i>Chemical Science</i> , 2022, 13, 3589-3598.	7.4	14
2	Optimization of microbial cell factories for astaxanthin production: Biosynthesis and regulations, engineering strategies and fermentation optimization strategies. <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 689-704.	3.7	34
3	Antitubercular metabolites from the marine-derived fungus strain <i>Aspergillus fumigatus</i> MF029. <i>Natural Product Research</i> , 2021, 35, 2647-2654.	1.8	12
4	Engineering thermophilic <i>Geobacillus thermoglucosidasius</i> for riboflavin production. <i>Microbial Biotechnology</i> , 2021, 14, 363-373.	4.2	22
5	<i>Candida albicans</i> promotes tooth decay by inducing oral microbial dysbiosis. <i>ISME Journal</i> , 2021, 15, 894-908.	9.8	67
6	A versatile biosensing platform coupling CRISPR-Cas12a and aptamers for detection of diverse analytes. <i>Science Bulletin</i> , 2021, 66, 69-77.	9.0	47
7	Mollicellins S-U, three new depsidones from <i>Chaetomium brasiliense</i> SD-596 with anti-MRSA activities. <i>Journal of Antibiotics</i> , 2021, 74, 317-323.	2.0	8
8	Tin Alloying Enhances Catalytic Selectivity of Copper Surface: A Mechanistic Study Based on First-Principles Calculations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3031-3037.	4.6	4
9	The antitumor capacity of mesothelin-CAR-T cells in targeting solid tumors in mice. <i>Molecular Therapy - Oncolytics</i> , 2021, 20, 556-568.	4.4	28
10	Comparative study of functionalized MXenes Mn+1CnO2 (M = Ti, Zr and Hf, n = 1, 2 and 3): A proposal for renewable energy applications. <i>Modern Physics Letters B</i> , 2021, 35, 2150290.	1.9	2
11	Peculiarities of meroterpenoids and their bioproduction. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3987-4003.	3.6	10
12	Antibacterial polyene-polyol macrolides and cyclic peptides from the marine-derived <i>Streptomyces</i> sp. MS110128. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4975-4986.	3.6	9
13	Genome-guided investigation of anti-inflammatory sesterterpenoids with 5-15 trans-fused ring system from phytopathogenic fungi. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 5407-5417.	3.6	6
14	Genome-Based Discovery of Enantiomeric Pentacyclic Sesterterpenes Catalyzed by Fungal Bifunctional Terpene Synthases. <i>Organic Letters</i> , 2021, 23, 4645-4650.	4.6	22
15	Polyketide pesticides from actinomycetes. <i>Current Opinion in Biotechnology</i> , 2021, 69, 299-307.	6.6	21
16	Recent advances in biotechnology for marine enzymes and molecules. <i>Current Opinion in Biotechnology</i> , 2021, 69, 308-315.	6.6	12
17	Identification of simple arylfluorosulfates as potent agents against resistant bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
18	Design and Synthesis of Aza- ¹² -Carboline Analogs and their Antibacterial Evaluation. <i>Pharmaceutical Chemistry Journal</i> , 2021, 55, 365.	0.8	0

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19	Berberine reverses multidrug resistance in <i>Candida albicans</i> by hijacking the drug efflux pump Mdr1p. <i>Science Bulletin</i> , 2021, 66, 1895-1905.	9.0	20
20	Hyper-Synergistic Antifungal Activity of Rapamycin and Peptide-Like Compounds against <i>Candida albicans</i> Orthogonally via Tor1 Kinase. <i>ACS Infectious Diseases</i> , 2021, 7, 2826-2835.	3.8	15
21	Polyketide Starter and Extender Units Serve as Regulatory Ligands to Coordinate the Biosynthesis of Antibiotics in Actinomycetes. <i>MBio</i> , 2021, 12, e0229821.	4.1	4
22	Integrating PCR-free amplification and synergistic sensing for ultrasensitive and rapid CRISPR/Cas12a-based SARS-CoV-2 antigen detection. <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 283-291.	3.7	16
23	Characterization of <i>Streptomyces</i> sp. LS462 with high productivity of echinomycin, a potent antituberculosis and synergistic antifungal antibiotic. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	6
24	Two novel aliphatic unsaturated alcohols isolated from a pathogenic fungus <i>Fusarium proliferatum</i> . <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 446-451.	3.7	3
25	Computational prediction and validation of specific EmbR binding site on PknH. <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 429-436.	3.7	3
26	One new xanthenone from the marine-derived fungus <i>Aspergillus versicolor</i> MF160003. <i>Natural Product Research</i> , 2020, 34, 2907-2912.	1.8	8
27	A new abyssomicin polyketide with anti-influenza A virus activity from a marine-derived <i>Verrucosipora</i> sp. MS100137. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1533-1543.	3.6	24
28	Chaetoglobosins and azaphilones from <i>Chaetomium globosum</i> associated with <i>Apostichopus japonicus</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1545-1553.	3.6	14
29	p-Type conductivity mechanism and defect structure of nitrogen-doped LiNbO ₃ from first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20-27.	2.8	8
30	Harnessing the intracellular triacylglycerols for titer improvement of polyketides in <i>Streptomyces</i> . <i>Nature Biotechnology</i> , 2020, 38, 76-83.	17.5	116
31	Dual-function chromogenic screening-based CRISPR/Cas9 genome editing system for actinomycetes. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 225-239.	3.6	17
32	Generation of Fluorinated Amychelin Siderophores against <i>Pseudomonas aeruginosa</i> Infections by a Combination of Genome Mining and Mutasynthesis. <i>Cell Chemical Biology</i> , 2020, 27, 1532-1543.e6.	5.2	9
33	Molecular networking assisted discovery and biosynthesis elucidation of the antimicrobial spiroketals epicospirocins. <i>Chemical Communications</i> , 2020, 56, 10171-10174.	4.1	9
34	Deciphering the Biosynthesis of TDP-oleandrose in Avermectin. <i>Journal of Natural Products</i> , 2020, 83, 3199-3206.	3.0	6
35	Characterization of anti-BCG benz[<i>a</i>]anthraquinones and new siderophores from a Xinjiang desert-isolated rare actinomycete <i>Nocardia</i> sp. XJ31. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8267-8278.	3.6	10
36	Chrysomycin A Derivatives for the Treatment of Multi-Drug-Resistant Tuberculosis. <i>ACS Central Science</i> , 2020, 6, 928-938.	11.3	43

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37	Multi-scale data-driven engineering for biosynthetic titer improvement. <i>Current Opinion in Biotechnology</i> , 2020, 65, 205-212.	6.6	9
38	FDA Approved Drug Library Screening Identifies Robenidine as a Repositionable Antifungal. <i>Frontiers in Microbiology</i> , 2020, 11, 996.	3.5	13
39	Genome-based mining of new antimicrobial meroterpenoids from the phytopathogenic fungus <i>Bipolaris sorokiniana</i> strain 11134. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3835-3846.	3.6	18
40	Interaction between Mo and intrinsic or extrinsic defects of Mo doped LiNbO ₃ from first-principles calculations. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 255701.	1.8	3
41	Genome-Inspired Chemical Exploration of Marine Fungus <i>Aspergillus fumigatus</i> MF071. <i>Marine Drugs</i> , 2020, 18, 352.	4.6	22
42	Application of Antibiotics/Antimicrobial Agents on Dental Caries. <i>BioMed Research International</i> , 2020, 2020, 1-11.	1.9	54
43	Transcriptional regulation of a leucine-responsive regulatory protein for directly controlling lincomycin biosynthesis in <i>Streptomyces lincolnensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2575-2587.	3.6	24
44	Antraquinone Derivatives from a Sea Cucumber-Derived <i>Trichoderma</i> sp. Fungus with Antibacterial Activities. <i>Chemistry of Natural Compounds</i> , 2020, 56, 112-114.	0.8	8
45	Brocaeloid D, a novel compound isolated from a wheat pathogenic fungus, <i>Microdochium majus</i> 99049. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 173-179.	3.7	6
46	Two optimized antimicrobial peptides with therapeutic potential for clinical antibiotic-resistant <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111686.	5.5	35
47	Transcriptome-guided target identification of the TetR-like regulator SACE_5754 and engineered overproduction of erythromycin in <i>Saccharopolyspora erythraea</i> . <i>Journal of Biological Engineering</i> , 2019, 13, 11.	4.7	13
48	New Diketopiperazines from a Marine-Derived Fungus Strain <i>Aspergillus versicolor</i> MF180151. <i>Marine Drugs</i> , 2019, 17, 262.	4.6	29
49	Characterization and engineering of the Lrp/AsnC family regulator SACE_5717 for erythromycin overproduction in <i>Saccharopolyspora erythraea</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1013-1024.	3.0	12
50	Genome- and MS-based mining of antibacterial chlorinated chromones and xanthenes from the phytopathogenic fungus <i>Bipolaris sorokiniana</i> strain 11134. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5167-5181.	3.6	18
51	Boundary activated hydrogen evolution reaction on monolayer MoS ₂ . <i>Nature Communications</i> , 2019, 10, 1348.	12.8	263
52	Bifunctional mechanism of N, P co-doped graphene for catalyzing oxygen reduction and evolution reactions. <i>Journal of Chemical Physics</i> , 2019, 150, 104701.	3.0	29
53	Purification and characterization of a novel β -1,3-glucanase from <i>Arca inflata</i> and its immune-enhancing effects. <i>Food Chemistry</i> , 2019, 290, 1-9.	8.2	12
54	Efficient editing DNA regions with high sequence identity in actinomycetal genomes by a CRISPR-Cas9 system. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 86-91.	3.7	33

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55	Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. <i>Nature Biotechnology</i> , 2019, 37, 1287-1293.	17.5	206
56	Effect of Defects on Spontaneous Polarization in Pure and Doped LiNbO ₃ : First-Principles Calculations. <i>Materials</i> , 2019, 12, 100.	2.9	19
57	<i>Streptomyces avermitilis</i> industrial strain as cell factory for Ivermectin B1a production. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 34-39.	3.7	12
58	TetR-Type Regulator SLCG_2919 Is a Negative Regulator of Lincomycin Biosynthesis in <i>Streptomyces lincolnensis</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	35
59	Small molecule microarray screening methodology based on surface plasmon resonance imaging. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2111-2117.	4.9	6
60	New Tetramic Acids Comprising of Decalin and Pyridones From <i>Chaetomium olivaceum</i> SD-80A With Antimicrobial Activity. <i>Frontiers in Microbiology</i> , 2019, 10, 2958.	3.5	6
61	The vertical growth of MoS ₂ layers at the initial stage of CVD from first-principles. <i>Journal of Chemical Physics</i> , 2018, 148, 134704.	3.0	18
62	Characterization of santalene synthases using an inorganic pyrophosphatase coupled colorimetric assay. <i>Analytical Biochemistry</i> , 2018, 547, 26-36.	2.4	8
63	Enhanced lincomycin production by co-overexpression of <i>metK1</i> and <i>metK2</i> in <i>Streptomyces lincolnensis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 345-355.	3.0	23
64	Strongly reduced Ehrlich-Schwoebel barriers at the Cu (111) stepped surface with In and Pb surfactants. <i>Surface Science</i> , 2018, 667, 13-16.	1.9	5
65	Genomics-guided discovery of a new and significantly better source of anticancer natural drug FK228. <i>Synthetic and Systems Biotechnology</i> , 2018, 3, 268-274.	3.7	11
66	Harnessing a previously unidentified capability of bacterial allosteric transcription factors for sensing diverse small molecules in vitro. <i>Science Advances</i> , 2018, 4, eaau4602.	10.3	32
67	A novel signal transduction system for development of uric acid biosensors. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7489-7497.	3.6	15
68	<i>Ab initio</i> study of the moisture stability of lead iodine perovskites. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 355501.	1.8	10
69	Analysis of the structure and abnormal photoluminescence of a red-emitting LiMgBO ₃ :Mn ²⁺ phosphor. <i>Dalton Transactions</i> , 2018, 47, 13094-13105.	3.3	20
70	Hydrogen induced contrasting modes of initial nucleations of graphene on transition metal surfaces. <i>Journal of Chemical Physics</i> , 2017, 146, 034704.	3.0	4
71	Synergistic antifungal indolecarbazoles from <i>Streptomyces</i> sp. CNS-42 associated with traditional Chinese medicine <i>Alisma orientale</i> . <i>Journal of Antibiotics</i> , 2017, 70, 715-717.	2.0	3
72	Madurastatin B3, a rare aziridine derivative from actinomycete <i>Nocardopsis</i> sp. LS150010 with potent anti-tuberculosis activity. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 589-594.	3.0	14

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73	Isolation of Viable but Non-culturable Bacteria from Printing and Dyeing Wastewater Bioreactor Based on Resuscitation Promoting Factor. <i>Current Microbiology</i> , 2017, 74, 787-797.	2.2	19
74	New cryptotanshinone derivatives with anti-influenza A virus activities obtained via biotransformation by <i>Mucor rouxii</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6365-6374.	3.6	14
75	Characterization of an Lrp/AsnC family regulator SCO3361, controlling actinorhodin production and morphological development in <i>Streptomyces coelicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5773-5783.	3.6	21
76	Decalin-Containing Tetramic Acids and 4-Hydroxy-2-pyridones with Antimicrobial and Cytotoxic Activity from the Fungus <i>Coniochaeta cephalothecoides</i> Collected in Tibetan Plateau (Medog). <i>Journal of Organic Chemistry</i> , 2017, 82, 11474-11486.	3.2	35
77	Learn from microbial intelligence for avermectins overproduction. <i>Current Opinion in Biotechnology</i> , 2017, 48, 251-257.	6.6	28
78	A systems approach using OSMAC, Log P and NMR fingerprinting: An approach to novelty. <i>Synthetic and Systems Biotechnology</i> , 2017, 2, 276-286.	3.7	25
79	Identification of the active sites in sulfur-doped graphene for oxygen reduction reaction: The key role of dissociated O ₂ adsorption. <i>Solid State Communications</i> , 2017, 267, 33-38.	1.9	10
80	Synthesis and biological evaluation of Aspergillomarasmin A derivatives as novel NDM-1 inhibitor to overcome antibiotics resistance. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5133-5141.	3.0	41
81	Biosynthetically Guided Structure-Activity Relationship Studies of Merochlorin A, an Antibiotic Marine Natural Product. <i>ChemMedChem</i> , 2017, 12, 1969-1976.	3.2	18
82	Introduction to the Special Issue: "Arnold Demain" <i>Industrial Microbiologist Extraordinaire</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 503-503.	3.0	2
83	A platform for the development of novel biosensors by configuring allosteric transcription factor recognition with amplified luminescent proximity homogeneous assays. <i>Chemical Communications</i> , 2017, 53, 99-102.	4.1	30
84	Engineering of an Lrp family regulator SACE_Lrp improves erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Metabolic Engineering</i> , 2017, 39, 29-37.	7.0	41
85	Clotrimazole and econazole inhibit <i>Streptococcus mutans</i> biofilm and virulence in vitro. <i>Archives of Oral Biology</i> , 2017, 73, 113-120.	1.8	15
86	Isolation and Characterization of Antiangiogenesis Compounds from the Fungus <i>Aspergillus terreus</i> Associated with <i>Apostichopus japonicus</i> Using Zebrafish Assay. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	3
87	Establishment and Application of a High Throughput Screening System Targeting the Interaction between HCV Internal Ribosome Entry Site and Human Eukaryotic Translation Initiation Factor 3. <i>Frontiers in Microbiology</i> , 2017, 8, 977.	3.5	8
88	Identification and Analysis of Novel Inhibitors against NS3 Helicase and NS5B RNA-Dependent RNA Polymerase from Hepatitis C Virus 1b (Con1). <i>Frontiers in Microbiology</i> , 2017, 8, 2153.	3.5	7
89	Norlichexanthone Reduces Virulence Gene Expression and Biofilm Formation in <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2016, 11, e0168305.	2.5	53
90	Noncyanogenic Cyanoglucoside Cyclooxygenase Inhibitors from <i>Simmondsia chinensis</i> . <i>Organic Letters</i> , 2016, 18, 1728-1731.	4.6	24

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91	Fungal biotransformation of tanshinone results in [4+2] cycloaddition with sorbicillinol: evidence for enzyme catalysis and increased antibacterial activity. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8349-8357.	3.6	16
92	Lipoxygenase inhibitors from the latex of <i>Calotropis Procera</i> . <i>Archives of Pharmacal Research</i> , 2016, , 1.	6.3	10
93	A systematic study of the whole genome sequence of <i>Amycolatopsis methanolica</i> strain 239 T provides an insight into its physiological and taxonomic properties which correlate with its position in the genus. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 169-186.	3.7	29
94	Discovery of tanshinone derivatives with anti-MRSA activity via targeted bio-transformation. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 187-194.	3.7	8
95	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802
96	Bioactive Spirobisnaphthalenes and Lactones from a Cup Fungus <i>Plectania</i> sp. Collected in the Tibet Plateau Region. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4338-4346.	2.4	7
97	A model to predict anti-tuberculosis activity: value proposition for marine microorganisms. <i>Journal of Antibiotics</i> , 2016, 69, 594-599.	2.0	9
98	Structure revision of the <i>Penicillium</i> alkaloids haenamindole and citreindole. <i>Tetrahedron Letters</i> , 2016, 57, 3851-3852.	1.4	10
99	Beauvericin counteracted multi-drug resistant <i>Candida albicans</i> by blocking ABC transporters. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 158-168.	3.7	31
100	Interrogation of <i>Streptomyces avermitilis</i> for efficient production of avermectins. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 7-16.	3.7	24
101	Different fates of avermectin and artemisinin in China. <i>Science China Life Sciences</i> , 2016, 59, 634-636.	4.9	7
102	Inactivation of SACE_3446, a TetR family transcriptional regulator, stimulates erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 39-46.	3.7	21
103	In vivo investigation to the macrolide-glycosylating enzyme pair DesVII/DesVIII in <i>Saccharopolyspora erythraea</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2257-2266.	3.6	3
104	Revealing the growth mechanism of SiV centers in chemical vapor deposition of diamond. <i>Diamond and Related Materials</i> , 2016, 61, 91-96.	3.9	9
105	Anti-MRSA and anti-TB metabolites from marine-derived <i>Verrucospora</i> sp. MS100047. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7437-7447.	3.6	45
106	Prospecting for new bacterial metabolites: a glossary of approaches for inducing, activating and upregulating the biosynthesis of bacterial cryptic or silent natural products. <i>Natural Product Reports</i> , 2016, 33, 54-72.	10.3	109
107	NLLSS: Predicting Synergistic Drug Combinations Based on Semi-supervised Learning. <i>PLoS Computational Biology</i> , 2016, 12, e1004975.	3.2	250
108	Systemic <i>Candida parapsilosis</i> Infection Model in Immunosuppressed ICR Mice and Assessing the Antifungal Efficiency of Fluconazole. <i>Veterinary Medicine International</i> , 2015, 2015, 1-7.	1.5	9

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109	Biosurfactant produced from Actinomycetes nocardioopsis A17: Characterization and its biological evaluation. International Journal of Biological Macromolecules, 2015, 79, 405-412.	7.5	35
110	Synergistic combinations of antifungals and anti-virulence agents to fight against <i>Candida albicans</i> . Virulence, 2015, 6, 362-371.	4.4	139
111	Structural and Functional Analysis of the Loading Acyltransferase from Avermectin Modular Polyketide Synthase. ACS Chemical Biology, 2015, 10, 1017-1025.	3.4	45
112	An efficient blue-white screening based gene inactivation system for Streptomyces. Applied Microbiology and Biotechnology, 2015, 99, 1923-1933.	3.6	43
113	A new salicylate synthase AmS is identified for siderophores biosynthesis in Amycolatopsis methanolica 239T. Applied Microbiology and Biotechnology, 2015, 99, 5895-5905.	3.6	9
114	Capturing the target genes of BldD in Saccharopolyspora erythraea using improved genomic SELEX method. Applied Microbiology and Biotechnology, 2015, 99, 2683-2692.	3.6	8
115	Mechanisms of antibiotic resistance. Frontiers in Microbiology, 2015, 6, 34.	3.5	150
116	CRISPR-Cas9 Based Engineering of Actinomycetal Genomes. ACS Synthetic Biology, 2015, 4, 1020-1029.	3.8	365
117	Cytotoxic cardenolides from the latex of Calotropis procera. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4615-4620.	2.2	36
118	Exploiting a precise design of universal synthetic modular regulatory elements to unlock the microbial natural products in <i>Streptomyces</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12181-12186.	7.1	155
119	Algoriella xinjiangensis gen. nov., sp. nov., a new psychrotolerant bacterium of the family Flavobacteriaceae. Antonie Van Leeuwenhoek, 2015, 108, 1107-1116.	1.7	12
120	Extraction Methods of Natural Products from Traditional Chinese Medicines. Methods in Molecular Biology, 2015, 1263, 177-185.	0.9	2
121	Bioassay-Guided Identification of Bioactive Molecules from Traditional Chinese Medicines. Methods in Molecular Biology, 2015, 1263, 187-196.	0.9	6
122	Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. PLoS Biology, 2014, 12, e1001920.	5.6	190
123	The Key Role of van der Waals Interactions in MPc/Au(111) (M = Co, Fe, H ₂) Systems Based on First-Principles Calculations. Journal of Physical Chemistry C, 2014, 118, 27843-27849.	3.1	14
124	Dissecting and engineering of the TetR family regulator SACE_7301 for enhanced erythromycin production in Saccharopolyspora erythraea. Microbial Cell Factories, 2014, 13, 158.	4.0	25
125	Microscopic origin for the orientation dependence of NV centers in chemical-vapor-deposited diamond. Journal of Physics Condensed Matter, 2014, 26, 485004.	1.8	3
126	Benzophenone C-glucosides and gallotannins from mango tree stem bark with broad-spectrum anti-viral activity. Bioorganic and Medicinal Chemistry, 2014, 22, 2236-2243.	3.0	29

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127	Three new sterigmatocystin analogues from marine-derived fungus <i>Aspergillus versicolor</i> MF359. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3753-3758.	3.6	46
128	Endophytic <i>Streptomyces</i> sp. Y3111 from traditional Chinese medicine produced antitubercular pluramycins. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1077-1085.	3.6	30
129	Synthetic biology of avermectin for production improvement and structure diversification. <i>Biotechnology Journal</i> , 2014, 9, 316-325.	3.5	29
130	<i>Prausserella shujinwangii</i> sp. nov., from a desert environment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3833-3837.	1.7	13
131	Echinomycin, a Potential Binder of FKBP12, Shows Minor Effect on Calcineurin Activity. <i>Journal of Biomolecular Screening</i> , 2014, 19, 1275-1281.	2.6	7
132	Staurosporine from the endophytic <i>Streptomyces</i> sp. strain CNS-42 acts as a potential biocontrol agent and growth elicitor in cucumber. <i>Antonie Van Leeuwenhoek</i> , 2014, 106, 515-525.	1.7	26
133	SACE_3986, a TetR family transcriptional regulator, negatively controls erythromycin biosynthesis in <i>Saccharopolyspora erythraea</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1159-1167.	3.0	27
134	N-acetylglucosamine-induced white-to-opaque switching in <i>Candida albicans</i> is independent of the Wor2 transcription factor. <i>Fungal Genetics and Biology</i> , 2014, 62, 71-77.	2.1	9
135	Cloning and characterization of the gene cluster required for beauvericin biosynthesis in <i>Fusarium proliferatum</i> . <i>Science China Life Sciences</i> , 2013, 56, 628-637.	4.9	23
136	Real-Time Metabolomics on Living Microorganisms Using Ambient Electrospray Ionization Flow-Probe. <i>Analytical Chemistry</i> , 2013, 85, 7014-7018.	6.5	106
137	ContigScape: a Cytoscape plugin facilitating microbial genome gap closing. <i>BMC Genomics</i> , 2013, 14, 289.	2.8	34
138	Dimerization of boron dopant in diamond (100) epitaxy induced by strong pair correlation on the surface. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 045011.	1.8	3
139	Effects of actinobacteria on plant disease suppression and growth promotion. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9621-9636.	3.6	323
140	The atomic structures of carbon nitride sheets for cathode oxygen reduction catalysis. <i>Journal of Chemical Physics</i> , 2013, 138, 164706.	3.0	19
141	Tentative biosynthetic pathways of some microbial diketopiperazines. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8439-8453.	3.6	50
142	Caesanines A-D, New Cassane Diterpenes with Unprecedented N Bridge from <i>Caesalpinia sappan</i> . <i>Organic Letters</i> , 2013, 15, 4726-4729.	4.6	46
143	Molecular Networking as a Dereplication Strategy. <i>Journal of Natural Products</i> , 2013, 76, 1686-1699.	3.0	475
144	Sydowiols C: Mycobacterium tuberculosis protein tyrosine phosphatase inhibitors from an East China Sea marine-derived fungus, <i>Aspergillus sydowii</i> . <i>Tetrahedron Letters</i> , 2013, 54, 6081-6083.	1.4	31

#	ARTICLE	IF	CITATIONS
145	Nivetetracyclates A and B: Novel Compounds Isolated from <i>Streptomyces niveus</i> . Organic Letters, 2013, 15, 5762-5765.	4.6	8
146	Abysomicins from the South China Sea Deep-Sea Sediment <i>Verrucospora</i> sp.: Natural Thioether Michael Addition Adducts as Antitubercular Prodrugs. Angewandte Chemie - International Edition, 2013, 52, 1231-1234.	13.8	115
147	Three antimycobacterial metabolites identified from a marine-derived <i>Streptomyces</i> sp. MS100061. Applied Microbiology and Biotechnology, 2013, 97, 3885-3892.	3.6	54
148	Genomics-Guided Discovery of Thailanstatins A, B, and C As Pre-mRNA Splicing Inhibitors and Antiproliferative Agents from <i>Burkholderia thailandensis</i> MSMB43. Journal of Natural Products, 2013, 76, 685-693.	3.0	118
149	<i>Verrucospora fiedleri</i> sp. nov., an actinomycete isolated from a fjord sediment which synthesizes proximicins. Antonie Van Leeuwenhoek, 2013, 103, 493-502.	1.7	25
150	Tanshinones Against Cancer and Cardiovascular Diseases and their Biosynthesis. , 2013, , 3551-3581.		1
151	<i>Gracilibacillus xinjiangensis</i> sp. nov., a new member of the genus <i>Gracilibacillus</i> isolated from Xinjiang region, China. Antonie Van Leeuwenhoek, 2013, 104, 809-816.	1.7	12
152	White-Opaque Switching in Natural MTLA ^{+/±} Isolates of <i>Candida albicans</i> : Evolutionary Implications for Roles in Host Adaptation, Pathogenesis, and Sex. PLoS Biology, 2013, 11, e1001525.	5.6	107
153	Multidrug-Resistant Transporter Mdr1p-Mediated Uptake of a Novel Antifungal Compound. Antimicrobial Agents and Chemotherapy, 2013, 57, 5931-5939.	3.2	23
154	Azole Susceptibility and Transcriptome Profiling in <i>Candida albicans</i> Mitochondrial Electron Transport Chain Complex I Mutants. Antimicrobial Agents and Chemotherapy, 2013, 57, 532-542.	3.2	76
155	Passivating a transition-metal surface for more uniform growth of graphene: Effect of Au alloying on Ni(111). Physical Review B, 2013, 87, .	3.2	7
156	3DScapeCS: application of three dimensional, parallel, dynamic network visualization in Cytoscape. BMC Bioinformatics, 2013, 14, 322.	2.6	14
157	Complete Genome Sequence of <i>Amycolatopsis mediterranei</i> S699 Based on <i>De Novo</i> Assembly via a Combinatorial Sequencing Strategy. Journal of Bacteriology, 2012, 194, 5699-5700.	2.2	14
158	Optimization for the Production of Surfactin with a New Synergistic Antifungal Activity. PLoS ONE, 2012, 7, e34430.	2.5	61
159	Effects of 14-Alpha-Lipoyl Andrographolide on Quorum Sensing in <i>Pseudomonas aeruginosa</i> . Antimicrobial Agents and Chemotherapy, 2012, 56, 6088-6094.	3.2	39
160	Writing charge into the <i>n</i> -type LaAlO ₃ /SrTiO ₃ interface: A theoretical study of the H ₂ O kinetics on the top AlO ₂ surface. Applied Physics Letters, 2012, 101, .	3.3	8
161	Tuning the catalytic property of nitrogen-doped graphene for cathode oxygen reduction reaction. Physical Review B, 2012, 85, .	3.2	81
162	Revised Genome Sequence of <i>Burkholderia thailandensis</i> MSMB43 with Improved Annotation. Journal of Bacteriology, 2012, 194, 4749-4750.	2.2	11

#	ARTICLE	IF	CITATIONS
163	<i>N</i> -Acetylglucosamine Induces White-to-Opaque Switching and Mating in <i>Candida tropicalis</i> , Providing New Insights into Adaptation and Fungal Sexual Evolution. <i>Eukaryotic Cell</i> , 2012, 11, 773-782.	3.4	58
164	Quinazolin-4-one Coupled with Pyrrolidin-2-iminium Alkaloids from Marine-Derived Fungus <i>Penicillium aurantiogriseum</i> . <i>Marine Drugs</i> , 2012, 10, 1297-1306.	4.6	46
165	Isolation and characterization of LS1924A, a new analog of emycins. <i>Journal of Antibiotics</i> , 2012, 65, 433-435.	2.0	6
166	Exploring anti-TB leads from natural products library originated from marine microbes and medicinal plants. <i>Antonie Van Leeuwenhoek</i> , 2012, 102, 447-461.	1.7	28
167	Brevianamides with Antitubercular Potential from a Marine-Derived Isolate of <i>Aspergillus versicolor</i> . <i>Organic Letters</i> , 2012, 14, 4770-4773.	4.6	102
168	Identification of Novel Inhibitors of <i>M. tuberculosis</i> Growth Using Whole Cell Based High-Throughput Screening. <i>ACS Chemical Biology</i> , 2012, 7, 1377-1384.	3.4	232
169	Cloning and characterization of a novel 2-ketoisovalerate reductase from the beauvericin producer <i>Fusarium proliferatum</i> LF061. <i>BMC Biotechnology</i> , 2012, 12, 55.	3.3	15
170	Antibacterial Spirobisnaphthalenes from the North American Cup Fungus <i>Urnula craterium</i> . <i>Journal of Natural Products</i> , 2012, 75, 1534-1538.	3.0	17
171	Structural and activity changes in three bioactive anuran peptides when Asp is replaced by isoAsp. <i>Peptides</i> , 2012, 38, 427-436.	2.4	2
172	A marine-derived <i>Streptomyces</i> sp. MS449 produces high yield of actinomycin X2 and actinomycin D with potent anti-tuberculosis activity. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 919-927.	3.6	50
173	Roles of <i>Candida albicans</i> Gat2, a GATA-Type Zinc Finger Transcription Factor, in Biofilm Formation, Filamentous Growth and Virulence. <i>PLoS ONE</i> , 2012, 7, e29707.	2.5	61
174	Antimicrobial Antioxidant Daucaene Sesquiterpenes from <i>Ferula hermonis</i> Boiss. <i>Phytotherapy Research</i> , 2012, 26, 579-586.	5.8	50
175	Drug-drug Interactions between Ketoconazole and Berberine in Rats: Pharmacokinetic Effects Benefit Pharmacodynamic Synergism. <i>Phytotherapy Research</i> , 2012, 26, 772-777.	5.8	21
176	Production and characterization of biosurfactant from marine <i>Streptomyces</i> species B3. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 311-318.	9.4	123
177	5-Benzylidenerhodanine and 5-benzylidene-2-4-thiazolidinedione based antibacterials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2720-2722.	2.2	34
178	Systematics-guided bioprospecting for bioactive microbial natural products. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 55-66.	1.7	39
179	Isolation and Structural Elucidation of Proline-Containing Cyclopentapeptides from an Endolichenic <i>Xylaria</i> sp.. <i>Journal of Natural Products</i> , 2011, 74, 1303-1308.	3.0	90
180	Magnetic Field Is the Dominant Factor to Induce the Response of <i>Streptomyces avermitilis</i> in Altered Gravity Simulated by Diamagnetic Levitation. <i>PLoS ONE</i> , 2011, 6, e24697.	2.5	22

#	ARTICLE	IF	CITATIONS
181	NMR spectroscopy of 14-3-3 η reveals a flexible C-terminal extension: differentiation of the chaperone and phosphoserine-binding activities of 14-3-3 η . <i>Biochemical Journal</i> , 2011, 437, 493-503.	3.7	28
182	Characterization and stability studies on surfactant, detergent and oxidant stable α -amylase from marine haloalkaliphilic <i>Saccharopolyspora</i> sp. A9. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 52-58.	1.8	110
183	Molecular cloning and characterization of a new cold-active esterase from a deep-sea metagenomic library. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 961-970.	3.6	60
184	Overexpression of the ABC transporter AvtAB increases avermectin production in <i>Streptomyces avermitilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 337-345.	3.6	65
185	Secondary metabolism in simulated microgravity and space flight. <i>Protein and Cell</i> , 2011, 2, 858-861.	11.0	22
186	Spatial charge distribution and conductivities of the LaAlO ₃ /SrTiO ₃ interfaces: A theoretical study. <i>Solid State Communications</i> , 2011, 151, 21-23.	1.9	3
187	Synergistic Effect of 14-Alpha-Lipoyl Andrographolide and Various Antibiotics on the Formation of Biofilms and Production of Exopolysaccharide and Pyocyanin by <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3015-3017.	3.2	37
188	Discovery and structural characterization of a small molecule 14-3-3 protein-protein interaction inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16212-16216.	7.1	93
189	Identification of avermectin-high-producing strains by high-throughput screening methods. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1219-1225.	3.6	34
190	Production and characterization of a group of bioemulsifiers from the marine <i>Bacillus velezensis</i> strain H3. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1881-1893.	3.6	57
191	Construction and Preliminary Analysis of a Deep-Sea Sediment Metagenomic Fosmid Library from Qiongdongnan Basin, South China Sea. <i>Marine Biotechnology</i> , 2010, 12, 719-727.	2.4	29
192	Trichoderone, a novel cytotoxic cyclopentenone and cholesta-7, 22-diene-3 β , 5 α , 6 β -triol, with new activities from the marine-derived fungus <i>Trichoderma</i> sp.. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 245-252.	3.0	47
193	Rational design for over-production of desirable microbial metabolites by precision engineering. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 151-163.	1.7	5
194	15th International symposium on the biology of the Actinomycetes; Shanghai 2009. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 117-118.	1.7	0
195	Effect of the microbial lipopeptide on tumor cell lines: apoptosis induced by disturbing the fatty acid composition of cell membrane. <i>Protein and Cell</i> , 2010, 1, 584-594.	11.0	53
196	Engineering of a genome-reduced host: practical application of synthetic biology in the overproduction of desired secondary metabolites. <i>Protein and Cell</i> , 2010, 1, 621-626.	11.0	30
197	Novel lipolytic genes from the microbial metagenomic library of the South China Sea marine sediment. <i>FEMS Microbiology Ecology</i> , 2010, 72, 228-237.	2.7	73
198	Bioprospecting microbial natural product libraries from the marine environment for drug discovery. <i>Journal of Antibiotics</i> , 2010, 63, 415-422.	2.0	97

#	ARTICLE	IF	CITATIONS
217	Interaction of 14-3-3 with a Nonphosphorylated Protein Ligand, Exoenzyme S of <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 1999, 38, 5216-5221.	2.5	143
218	Residues of 14-3-3 Required for Activation of Exoenzyme S of <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 1999, 38, 12159-12164.	2.5	36
219	Mutations in the Hydrophobic Surface of an Amphipathic Groove of 14-3-3 Disrupt Its Interaction with Raf-1 Kinase. <i>Journal of Biological Chemistry</i> , 1998, 273, 16297-16304.	3.4	96
220	A Novel Sphingosine-dependent Protein Kinase (SDK1) Specifically Phosphorylates Certain Isoforms of 14-3-3 Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 21834-21845.	3.4	121
221	Raf-1 Kinase and Exoenzyme S Interact with 14-3-3 through a Common Site Involving Lysine 49. <i>Journal of Biological Chemistry</i> , 1997, 272, 13717-13724.	3.4	141