

Lixin Zhang

List of Publications by Year in descending order

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221
papers

12,581
citations

38660

50
h-index

31759

101
g-index

232
all docs

232
docs citations

232
times ranked

16878
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	9.4	2,802
2	Molecular Networking as a Dereplication Strategy. <i>Journal of Natural Products</i> , 2013, 76, 1686-1699.	1.5	475
3	CRISPR-Cas9 Based Engineering of Actinomycetal Genomes. <i>ACS Synthetic Biology</i> , 2015, 4, 1020-1029.	1.9	365
4	Effects of actinobacteria on plant disease suppression and growth promotion. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9621-9636.	1.7	323
5	Boundary activated hydrogen evolution reaction on monolayer MoS ₂ . <i>Nature Communications</i> , 2019, 10, 1348.	5.8	263
6	NLLSS: Predicting Synergistic Drug Combinations Based on Semi-supervised Learning. <i>PLoS Computational Biology</i> , 2016, 12, e1004975.	1.5	250
7	High-throughput synergy screening identifies microbial metabolites as combination agents for the treatment of fungal infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4606-4611.	3.3	242
8	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.	1.6	232
9	Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. <i>Nature Biotechnology</i> , 2019, 37, 1287-1293.	9.4	206
10	Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. <i>PLoS Biology</i> , 2014, 12, e1001920.	2.6	190
11	The GAAS Metagenomic Tool and Its Estimations of Viral and Microbial Average Genome Size in Four Major Biomes. <i>PLoS Computational Biology</i> , 2009, 5, e1000593.	1.5	177
12	Inhibition of <i>Vibrio</i> biofilm formation by a marine actinomycete strain A66. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1137-1144.	1.7	167
13	Exploiting a precise design of universal synthetic modular regulatory elements to unlock the microbial natural products in <i>Streptomyces</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12181-12186.	3.3	155
14	Mechanisms of antibiotic resistance. <i>Frontiers in Microbiology</i> , 2015, 6, 34.	1.5	150
15	Interaction of 14-3-3 with a Nonphosphorylated Protein Ligand, Exoenzyme S of <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 1999, 38, 5216-5221.	1.2	143
16	Raf-1 Kinase and Exoenzyme S Interact with 14-3-3 σ through a Common Site Involving Lysine 49. <i>Journal of Biological Chemistry</i> , 1997, 272, 13717-13724.	1.6	141
17	Synergistic combinations of antifungals and anti-virulence agents to fight against <i>Candida albicans</i> . <i>Virulence</i> , 2015, 6, 362-371.	1.8	139
18	Medium optimization for the production of avermectin B1a by <i>Streptomyces avermitilis</i> 14-12A using response surface methodology. <i>Bioresource Technology</i> , 2009, 100, 4012-4016.	4.8	123

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19	Production and characterization of biosurfactant from marine <i>Streptomyces</i> species B3. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 311-318.	5.0	123
20	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.	1.6	121
21	Genomics-Guided Discovery of Thailanstatins A, B, and C As Pre-mRNA Splicing Inhibitors and Antiproliferative Agents from <i>Burkholderia thailandensis</i> MSMB43. <i>Journal of Natural Products</i> , 2013, 76, 685-693.	1.5	118
22	Harnessing the intracellular triacylglycerols for titer improvement of polyketides in <i>Streptomyces</i> . <i>Nature Biotechnology</i> , 2020, 38, 76-83.	9.4	116
23	Abyssomicins from the South China Sea Deep-sea Sediment <i>Verrucosipora</i> sp.: Natural Thioether Michael Addition Adducts as Antitubercular Prodrugs. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1231-1234.	7.2	115
24	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
25	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.	5.2	109
26	White-Opaque Switching in Natural MTL α Isolates of <i>Candida albicans</i> : Evolutionary Implications for Roles in Host Adaptation, Pathogenesis, and Sex. <i>PLoS Biology</i> , 2013, 11, e1001525.	2.6	107
27	Real-Time Metabolomics on Living Microorganisms Using Ambient Electrospray Ionization Flow-Probe. <i>Analytical Chemistry</i> , 2013, 85, 7014-7018.	3.2	106
28	Brevianamides with Antitubercular Potential from a Marine-Derived Isolate of <i>Aspergillus versicolor</i> . <i>Organic Letters</i> , 2012, 14, 4770-4773.	2.4	102
29	Bioprospecting microbial natural product libraries from the marine environment for drug discovery. <i>Journal of Antibiotics</i> , 2010, 63, 415-422.	1.0	97
30	Mutations in the Hydrophobic Surface of an Amphipathic Groove of 14-3-3 η Disrupt Its Interaction with Raf-1 Kinase. <i>Journal of Biological Chemistry</i> , 1998, 273, 16297-16304.	1.6	96
31	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.	3.3	93
32	Trichoderma ketones A \sim D and 7-O-Methylkoninginin D from the Marine Fungus <i>Trichoderma koningii</i> . <i>Journal of Natural Products</i> , 2010, 73, 806-810.	1.5	92
33	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.	1.5	90
34	Tuning the catalytic property of nitrogen-doped graphene for cathode oxygen reduction reaction. <i>Physical Review B</i> , 2012, 85, .	1.1	81
35	Azole Susceptibility and Transcriptome Profiling in <i>Candida albicans</i> Mitochondrial Electron Transport Chain Complex I Mutants. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 532-542.	1.4	76
36	Novel lipolytic genes from the microbial metagenomic library of the South China Sea marine sediment. <i>FEMS Microbiology Ecology</i> , 2010, 72, 228-237.	1.3	73

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37	<i>Candida albicans</i> promotes tooth decay by inducing oral microbial dysbiosis. ISME Journal, 2021, 15, 894-908.	4.4	67
38	Overexpression of the ABC transporter AvtAB increases avermectin production in <i>Streptomyces avermitilis</i> . Applied Microbiology and Biotechnology, 2011, 92, 337-345.	1.7	65
39	Optimization for the Production of Surfactin with a New Synergistic Antifungal Activity. PLoS ONE, 2012, 7, e34430.	1.1	61
40	Roles of <i>Candida albicans</i> Gat2, a GATA-Type Zinc Finger Transcription Factor, in Biofilm Formation, Filamentous Growth and Virulence. PLoS ONE, 2012, 7, e29707.	1.1	61
41	Molecular cloning and characterization of a new cold-active esterase from a deep-sea metagenomic library. Applied Microbiology and Biotechnology, 2011, 90, 961-970.	1.7	60
42	Origin of insulating behavior of the p -type LaAlO_3 Polarization-induced asymmetric distribution of oxygen va. Physical Review B, 2010, 82, .	1.1	59
43	<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. Eukaryotic Cell, 2012, 11, 773-782.	3.4	58
44	Production and characterization of a group of bioemulsifiers from the marine <i>Bacillus velezensis</i> strain H3. Applied Microbiology and Biotechnology, 2010, 87, 1881-1893.	1.7	57
45	Bioprospecting for antituberculosis leads from microbial metabolites. Natural Product Reports, 2010, 27, 1709.	5.2	57
46	Three antimycobacterial metabolites identified from a marine-derived <i>Streptomyces</i> sp. MS100061. Applied Microbiology and Biotechnology, 2013, 97, 3885-3892.	1.7	54
47	Application of Antibiotics/Antimicrobial Agents on Dental Caries. BioMed Research International, 2020, 2020, 1-11.	0.9	54
48	Effect of the microbial lipopeptide on tumor cell lines: apoptosis induced by disturbing the fatty acid composition of cell membrane. Protein and Cell, 2010, 1, 584-594.	4.8	53
49	Norlichexanthone Reduces Virulence Gene Expression and Biofilm Formation in <i>Staphylococcus aureus</i> . PLoS ONE, 2016, 11, e0168305.	1.1	53
50	A marine-derived <i>Streptomyces</i> sp. MS449 produces high yield of actinomycin X2 and actinomycin D with potent anti-tuberculosis activity. Applied Microbiology and Biotechnology, 2012, 95, 919-927.	1.7	50
51	Antimicrobial Antioxidant Daucane Sesquiterpenes from <i>Ferula hermonis</i> Boiss. Phytotherapy Research, 2012, 26, 579-586.	2.8	50
52	Tentative biosynthetic pathways of some microbial diketopiperazines. Applied Microbiology and Biotechnology, 2013, 97, 8439-8453.	1.7	50
53	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.. Journal of Industrial Microbiology and Biotechnology, 2010, 37, 245-252.	1.4	47
54	<i>Deinococcus wulumuqiensis</i> sp. nov., and <i>Deinococcus xibeiensis</i> sp. nov., isolated from radiation-polluted soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2006-2010.	0.8	47

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55	A versatile biosensing platform coupling CRISPR-Cas12a and aptamers for detection of diverse analytes. <i>Science Bulletin</i> , 2021, 66, 69-77.	4.3	47
56	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.	2.2	46
57	Caesanines A-D, New Cassane Diterpenes with Unprecedented N Bridge from <i>Caesalpinia sappan</i> . <i>Organic Letters</i> , 2013, 15, 4726-4729.	2.4	46
58	Three new sterigmatocystin analogues from marine-derived fungus <i>Aspergillus versicolor</i> MF359. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3753-3758.	1.7	46
59	Structural and Functional Analysis of the Loading Acyltransferase from Avermectin Modular Polyketide Synthase. <i>ACS Chemical Biology</i> , 2015, 10, 1017-1025.	1.6	45
60	Anti-MRSA and anti-TB metabolites from marine-derived <i>Verrucospora</i> sp. MS100047. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7437-7447.	1.7	45
61	Negative control of apoptosis signal-regulating kinase 1 through phosphorylation of Ser-1034. <i>Oncogene</i> , 2004, 23, 5099-5104.	2.6	43
62	An efficient blue-white screening based gene inactivation system for <i>Streptomyces</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1923-1933.	1.7	43
63	Chrysomycin A Derivatives for the Treatment of Multi-Drug-Resistant Tuberculosis. <i>ACS Central Science</i> , 2020, 6, 928-938.	5.3	43
64	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.	1.4	41
65	Engineering of an Lrp family regulator SACE_Lrp improves erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Metabolic Engineering</i> , 2017, 39, 29-37.	3.6	41
66	Improved production of erythromycin A by expression of a heterologous gene encoding S-adenosylmethionine synthetase. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 837-842.	1.7	39
67	Effects of 14-Alpha-Lipoyl Andrographolide on Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 6088-6094.	1.4	39
68	Systematics-guided bioprospecting for bioactive microbial natural products. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 55-66.	0.7	39
69	Natural Products and Drug Discovery. , 2005, , 3-29.		37
70	Secretory expression of a heterologous nattokinase in <i>Lactococcus lactis</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 95-101.	1.7	37
71	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.	1.4	37
72	Residues of 14-3-3 η Required for Activation of Exoenzyme S of <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 1999, 38, 12159-12164.	1.2	36

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73	Cytotoxic cardenolides from the latex of <i>Calotropis procera</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4615-4620.	1.0	36
74	Biosurfactant produced from <i>Actinomyces nocardiformis</i> A17: Characterization and its biological evaluation. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 405-412.	3.6	35
75	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.	1.7	35
76	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.	2.6	35
77	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, .	1.4	35
78	Identification of avermectin-high-producing strains by high-throughput screening methods. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1219-1225.	1.7	34
79	5-Benzylidenerhodanine and 5-benzylidene-2-4-thiazolidinedione based antibacterials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2720-2722.	1.0	34
80	ContigScope: a Cytoscape plugin facilitating microbial genome gap closing. <i>BMC Genomics</i> , 2013, 14, 289.	1.2	34
81	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.	1.8	34
82	Verrucisidinol and Verrucosidinol Acetate, Two Pyrone-Type Polyketides Isolated from a Marine Derived Fungus, <i>Penicillium aurantiogriseum</i> . <i>Marine Drugs</i> , 2010, 8, 2744-2754.	2.2	33
83	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.	1.8	33
84	Harnessing a previously unidentified capability of bacterial allosteric transcription factors for sensing diverse small molecules in vitro. <i>Science Advances</i> , 2018, 4, eaau4602.	4.7	32
85	Sydowiols A-C: <i>Mycobacterium tuberculosis</i> protein tyrosine phosphatase inhibitors from an East China Sea marine-derived fungus, <i>Aspergillus sydowii</i> . <i>Tetrahedron Letters</i> , 2013, 54, 6081-6083.	0.7	31
86	Beauvericin counteracted multi-drug resistant <i>Candida albicans</i> by blocking ABC transporters. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 158-168.	1.8	31
87	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.	4.8	30
88	Endophytic <i>Streptomyces</i> sp. Y3111 from traditional Chinese medicine produced antitubercular pluramycins. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1077-1085.	1.7	30
89	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.	2.2	30
90	An inhibition study of beauvericin on human and rat cytochrome P450 enzymes and its pharmacokinetics in rats. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 753-762.	2.5	29

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91	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.	1.1	29
92	Benzophenone C-glucosides and gallotannins from mango tree stem bark with broad-spectrum anti-viral activity. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2236-2243.	1.4	29
93	Synthetic biology of avermectin for production improvement and structure diversification. <i>Biotechnology Journal</i> , 2014, 9, 316-325.	1.8	29
94	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.	1.8	29
95	New Diketopiperazines from a Marine-Derived Fungus Strain <i>Aspergillus versicolor</i> MF180151. <i>Marine Drugs</i> , 2019, 17, 262.	2.2	29
96	Bifunctional mechanism of N, P co-doped graphene for catalyzing oxygen reduction and evolution reactions. <i>Journal of Chemical Physics</i> , 2019, 150, 104701.	1.2	29
97	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.	1.7	28
98	Exploring anti-TB leads from natural products library originated from marine microbes and medicinal plants. <i>Antonie Van Leeuwenhoek</i> , 2012, 102, 447-461.	0.7	28
99	Learn from microbial intelligence for avermectins overproduction. <i>Current Opinion in Biotechnology</i> , 2017, 48, 251-257.	3.3	28
100	The antitumor capacity of mesothelin-CAR-T cells in targeting solid tumors in mice. <i>Molecular Therapy - Oncolytics</i> , 2021, 20, 556-568.	2.0	28
101	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.	1.4	27
102	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.	0.7	26
103	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, .	3.3	26
104	<i>Verrucosipora fiedleri</i> sp. nov., an actinomycete isolated from a fjord sediment which synthesizes proximicins. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 493-502.	0.7	25
105	Dissecting and engineering of the TetR family regulator SACE_7301 for enhanced erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Microbial Cell Factories</i> , 2014, 13, 158.	1.9	25
106	A systems approach using OSMAC, Log P and NMR fingerprinting: An approach to novelty. <i>Synthetic and Systems Biotechnology</i> , 2017, 2, 276-286.	1.8	25
107	Noncyanogenic Cyanoglucoside Cyclooxygenase Inhibitors from <i>Simmondsia chinensis</i> . <i>Organic Letters</i> , 2016, 18, 1728-1731.	2.4	24
108	Interrogation of <i>Streptomyces avermitilis</i> for efficient production of avermectins. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 7-16.	1.8	24

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109	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.	1.7	24
110	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.	1.7	24
111	Integrated Approaches for Discovering Novel Drugs From Microbial Natural Products. , 2005, , 33-55.		23
112	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.	2.3	23
113	Multidrug-Resistant Transporter Mdr1p-Mediated Uptake of a Novel Antifungal Compound. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5931-5939.	1.4	23
114	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.	1.4	23
115	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.	1.1	22
116	Secondary metabolism in simulated microgravity and space flight. <i>Protein and Cell</i> , 2011, 2, 858-861.	4.8	22
117	Genome-Inspired Chemical Exploration of Marine Fungus <i>Aspergillus fumigatus</i> MF071. <i>Marine Drugs</i> , 2020, 18, 352.	2.2	22
118	Engineering thermophilic <i>Geobacillus thermoglucosidasius</i> for riboflavin production. <i>Microbial Biotechnology</i> , 2021, 14, 363-373.	2.0	22
119	Genome-Based Discovery of Enantiomeric Pentacyclic Sesterterpenes Catalyzed by Fungal Bifunctional Terpene Synthases. <i>Organic Letters</i> , 2021, 23, 4645-4650.	2.4	22
120	Drug-drug Interactions between Ketoconazole and Berberine in Rats: Pharmacokinetic Effects Benefit Pharmacodynamic Synergism. <i>Phytotherapy Research</i> , 2012, 26, 772-777.	2.8	21
121	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.	1.8	21
122	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.	1.7	21
123	Polyketide pesticides from actinomycetes. <i>Current Opinion in Biotechnology</i> , 2021, 69, 299-307.	3.3	21
124	Analysis of the structure and abnormal photoluminescence of a red-emitting $\text{LiMgBO}_3:\text{Mn}^{2+}$ phosphor. <i>Dalton Transactions</i> , 2018, 47, 13094-13105.	1.6	20
125	Berberine reverses multidrug resistance in <i>Candida albicans</i> by hijacking the drug efflux pump Mdr1p. <i>Science Bulletin</i> , 2021, 66, 1895-1905.	4.3	20
126	The atomic structures of carbon nitride sheets for cathode oxygen reduction catalysis. <i>Journal of Chemical Physics</i> , 2013, 138, 164706.	1.2	19

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127	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.	1.0	19
128	Effect of Defects on Spontaneous Polarization in Pure and Doped LiNbO ₃ : First-Principles Calculations. <i>Materials</i> , 2019, 12, 100.	1.3	19
129	Biosynthetically Guided Structure-Activity Relationship Studies of Merochlorin A, an Antibiotic Marine Natural Product. <i>ChemMedChem</i> , 2017, 12, 1969-1976.	1.6	18
130	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.	1.2	18
131	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.	1.7	18
132	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.	1.7	18
133	Affinity Capillary Electrophoresis Analyses of Protein-Protein Interactions in Target-Directed Drug Discovery. <i>Journal of Proteome Research</i> , 2004, 261, 187-198.		17
134	Antibacterial Spirobisnaphthalenes from the North American Cup Fungus <i>Urnula craterium</i> . <i>Journal of Natural Products</i> , 2012, 75, 1534-1538.	1.5	17
135	Dual-function chromogenic screening-based CRISPR/Cas9 genome editing system for actinomycetes. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 225-239.	1.7	17
136	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.	1.7	16
137	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.	1.8	16
138	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.	1.7	15
139	Clotrimazole and econazole inhibit <i>Streptococcus mutans</i> biofilm and virulence in vitro. <i>Archives of Oral Biology</i> , 2017, 73, 113-120.	0.8	15
140	A novel signal transduction system for development of uric acid biosensors. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7489-7497.	1.7	15
141	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.	1.8	15
142	Complete Genome Sequence of <i>Amycolatopsis mediterranei</i> S699 Based on <i>De Novo</i> Assembly via a Combinatorial Sequencing Strategy. <i>Journal of Bacteriology</i> , 2012, 194, 5699-5700.	1.0	14
143	3DScapeCS: application of three dimensional, parallel, dynamic network visualization in Cytoscape. <i>BMC Bioinformatics</i> , 2013, 14, 322.	1.2	14
144	The Key Role of van der Waals Interactions in MPc/Au(111) (M = Co, Fe, H ₂) Systems Based on First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27843-27849.	1.5	14

#	ARTICLE	IF	CITATIONS
145	Madurastatin B3, a rare aziridine derivative from actinomycete <i>Nocardiopsis</i> sp. LS150010 with potent anti-tuberculosis activity. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 589-594.	1.4	14
146	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.	1.7	14
147	Chaetoglobosins and azaphilones from <i>Chaetomium globosum</i> associated with <i>Apostichopus japonicus</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1545-1553.	1.7	14
148	OvoA_{Mtht} from <i>Methyloversatilis thermotolerans</i> ovoid thiol biosynthesis is a bifunction enzyme: thiol oxygenase and sulfoxide synthase activities. <i>Chemical Science</i> , 2022, 13, 3589-3598.	3.7	14
149	Assessing the Potential of an Induced-Mutation Strategy for Avermectin Overproducers. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4583-4586.	1.4	13
150	<i>Prausserella shujinwangii</i> sp. nov., from a desert environment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3833-3837.	0.8	13
151	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.	2.0	13
152	FDA Approved Drug Library Screening Identifies Robenidine as a Repositionable Antifungal. <i>Frontiers in Microbiology</i> , 2020, 11, 996.	1.5	13
153	<i>Gracilibacillus xinjiangensis</i> sp. nov., a new member of the genus <i>Gracilibacillus</i> isolated from Xinjiang region, China. <i>Antonie Van Leeuwenhoek</i> , 2013, 104, 809-816.	0.7	12
154	<i>Algoriella xinjiangensis</i> gen. nov., sp. nov., a new psychrotolerant bacterium of the family Flavobacteriaceae. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 1107-1116.	0.7	12
155	Antitubercular metabolites from the marine-derived fungus strain <i>Aspergillus fumigatus</i> MF029. <i>Natural Product Research</i> , 2021, 35, 2647-2654.	1.0	12
156	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.	1.4	12
157	Purification and characterization of a novel Î ² -1,3-glucanase from <i>Arca inflata</i> and its immune-enhancing effects. <i>Food Chemistry</i> , 2019, 290, 1-9.	4.2	12
158	<i>Streptomyces avermitilis</i> industrial strain as cell factory for Ivermectin B1a production. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 34-39.	1.8	12
159	Recent advances in biotechnology for marine enzymes and molecules. <i>Current Opinion in Biotechnology</i> , 2021, 69, 308-315.	3.3	12
160	Revised Genome Sequence of <i>Burkholderia thailandensis</i> MSMB43 with Improved Annotation. <i>Journal of Bacteriology</i> , 2012, 194, 4749-4750.	1.0	11
161	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.	1.8	11
162	Lipoxygenase inhibitors from the latex of <i>Calotropis Procera</i> . <i>Archives of Pharmacal Research</i> , 2016, , 1.	2.7	10

#	ARTICLE	IF	CITATIONS
163	Structure revision of the Penicillium alkaloids haenamindole and citreindole. Tetrahedron Letters, 2016, 57, 3851-3852.	0.7	10
164	Identification of the active sites in sulfur-doped graphene for oxygen reduction reaction: The keyrole of dissociated O2 adsorption. Solid State Communications, 2017, 267, 33-38.	0.9	10
165	<i>Ab initio</i> study of the moisture stability of lead iodine perovskites. Journal of Physics Condensed Matter, 2018, 30, 355501.	0.7	10
166	Characterization of anti-BCG benz[1±]anthraquinones and new siderophores from a Xinjiang desertâ€“isolated rare actinomycete Nocardia sp. XJ31. Applied Microbiology and Biotechnology, 2020, 104, 8267-8278.	1.7	10
167	Peculiarities of meroterpenoids and their bioproduction. Applied Microbiology and Biotechnology, 2021, 105, 3987-4003.	1.7	10
168	N-acetylglucosamine-induced white-to-opaque switching in Candida albicans is independent of the Wor2 transcription factor. Fungal Genetics and Biology, 2014, 62, 71-77.	0.9	9
169	Systemic <i>Candida parapsilosis</i> Infection Model in Immunosuppressed ICR Mice and Assessing the Antifungal Efficiency of Fluconazole. Veterinary Medicine International, 2015, 2015, 1-7.	0.6	9
170	A new salicylate synthase AmS is identified for siderophores biosynthesis in Amycolatopsis methanolica 239T. Applied Microbiology and Biotechnology, 2015, 99, 5895-5905.	1.7	9
171	A model to predict anti-tuberculosis activity: value proposition for marine microorganisms. Journal of Antibiotics, 2016, 69, 594-599.	1.0	9
172	Revealing the growth mechanism of SiV centers in chemical vapor deposition of diamond. Diamond and Related Materials, 2016, 61, 91-96.	1.8	9
173	Generation of Fluorinated Amychelin Siderophores against Pseudomonas aeruginosa Infections by a Combination of Genome Mining and Mutasynthesis. Cell Chemical Biology, 2020, 27, 1532-1543.e6.	2.5	9
174	Molecular networking assisted discovery and biosynthesis elucidation of the antimicrobial spiroketals epicospirocins. Chemical Communications, 2020, 56, 10171-10174.	2.2	9
175	Multi-scale data-driven engineering for biosynthetic titer improvement. Current Opinion in Biotechnology, 2020, 65, 205-212.	3.3	9
176	Antibacterial polyene-polyol macrolides and cyclic peptides from the marine-derived Streptomyces sp. MS110128. Applied Microbiology and Biotechnology, 2021, 105, 4975-4986.	1.7	9
177	Writing charge into the <i>n</i> -type LaAlO3/SrTiO3 interface: A theoretical study of the H2O kinetics on the top AlO2 surface. Applied Physics Letters, 2012, 101, .	1.5	8
178	Nivetetracyclates A and B: Novel Compounds Isolated from <i>Streptomyces niveus</i> . Organic Letters, 2013, 15, 5762-5765.	2.4	8
179	Capturing the target genes of BldD in Saccharopolyspora erythraea using improved genomic SELEX method. Applied Microbiology and Biotechnology, 2015, 99, 2683-2692.	1.7	8
180	Discovery of tanshinone derivatives with anti-MRSA activity via targeted bio-transformation. Synthetic and Systems Biotechnology, 2016, 1, 187-194.	1.8	8

#	ARTICLE	IF	CITATIONS
181	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.	1.5	8
182	Characterization of santalene synthases using an inorganic pyrophosphatase coupled colorimetric assay. <i>Analytical Biochemistry</i> , 2018, 547, 26-36.	1.1	8
183	One new xanthenone from the marine-derived fungus <i>Aspergillus versicolor</i> MF160003. <i>Natural Product Research</i> , 2020, 34, 2907-2912.	1.0	8
184	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.	1.3	8
185	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.	1.0	8
186	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.	0.2	8
187	Passivating a transition-metal surface for more uniform growth of graphene: Effect of Au alloying on Ni(111). <i>Physical Review B</i> , 2013, 87, .	1.1	7
188	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
189	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.	1.2	7
190	Different fates of avermectin and artemisinin in China. <i>Science China Life Sciences</i> , 2016, 59, 634-636.	2.3	7
191	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.	1.5	7
192	Isolation and characterization of LS1924A, a new analog of emycins. <i>Journal of Antibiotics</i> , 2012, 65, 433-435.	1.0	6
193	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.	1.8	6
194	Small molecule microarray screening methodology based on surface plasmon resonance imaging. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2111-2117.	2.3	6
195	Deciphering the Biosynthesis of TDP-oleandroside in Avermectin. <i>Journal of Natural Products</i> , 2020, 83, 3199-3206.	1.5	6
196	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.	1.5	6
197	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.	1.7	6
198	Bioassay-Guided Identification of Bioactive Molecules from Traditional Chinese Medicines. <i>Methods in Molecular Biology</i> , 2015, 1263, 187-196.	0.4	6

#	ARTICLE	IF	CITATIONS
199	Challenges and Opportunities in the Chinese Herbal Drug Industry. , 2005, , 229-250.		6
200	Characterization of <i>Streptomyces</i> sp. LS462 with high productivity of echinomycin, a potent antituberculosis and synergistic antifungal antibiotic. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	1.4	6
201	Rational design for over-production of desirable microbial metabolites by precision engineering. Antonie Van Leeuwenhoek, 2010, 98, 151-163.	0.7	5
202	Strongly reduced Ehrlich-Schwoebel barriers at the Cu (111) stepped surface with In and Pb surfactants. Surface Science, 2018, 667, 13-16.	0.8	5
203	Hydrogen induced contrasting modes of initial nucleations of graphene on transition metal surfaces. Journal of Chemical Physics, 2017, 146, 034704.	1.2	4
204	Tin Alloying Enhances Catalytic Selectivity of Copper Surface: A Mechanistic Study Based on First-Principles Calculations. Journal of Physical Chemistry Letters, 2021, 12, 3031-3037.	2.1	4
205	Polyketide Starter and Extender Units Serve as Regulatory Ligands to Coordinate the Biosynthesis of Antibiotics in Actinomycetes. MBio, 2021, 12, e0229821.	1.8	4
206	Spatial charge distribution and conductivities of the LaAlO ₃ /SrTiO ₃ interfaces: A theoretical study. Solid State Communications, 2011, 151, 21-23.	0.9	3
207	Dimerization of boron dopant in diamond (100) epitaxy induced by strong pair correlation on the surface. Journal of Physics Condensed Matter, 2013, 25, 045011.	0.7	3
208	Microscopic origin for the orientation dependence of NV centers in chemical-vapor-deposited diamond. Journal of Physics Condensed Matter, 2014, 26, 485004.	0.7	3
209	In vivo investigation to the macrolide-glycosylating enzyme pair DesVII/DesVIII in <i>Saccharopolyspora erythraea</i> . Applied Microbiology and Biotechnology, 2016, 100, 2257-2266.	1.7	3
210	Synergistic antifungal indolecarbazoles from <i>Streptomyces</i> sp. CNS-42 associated with traditional Chinese medicine <i>Alisma orientale</i> . Journal of Antibiotics, 2017, 70, 715-717.	1.0	3
211	Isolation and Characterization of Antiangiogenesis Compounds from the Fungus <i>Aspergillus terreus</i> Associated with <i>Apostichopus japonicus</i> Using Zebrafish Assay. Natural Product Communications, 2017, 12, 1934578X1701200.	0.2	3
212	Interaction between Mo and intrinsic or extrinsic defects of Mo doped LiNbO ₃ from first-principles calculations. Journal of Physics Condensed Matter, 2020, 32, 255701.	0.7	3
213	Two novel aliphatic unsaturated alcohols isolated from a pathogenic fungus <i>Fusarium proliferatum</i> . Synthetic and Systems Biotechnology, 2021, 6, 446-451.	1.8	3
214	Computational prediction and validation of specific EmbR binding site on PknH. Synthetic and Systems Biotechnology, 2021, 6, 429-436.	1.8	3
215	Structural and activity changes in three bioactive anuran peptides when Asp is replaced by isoAsp. Peptides, 2012, 38, 427-436.	1.2	2
216	Introduction to the Special Issue: "Arnold Demain" Industrial Microbiologist Extraordinaire. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 503-503.	1.4	2

#	ARTICLE	IF	CITATIONS
217	Comparative study of functionalized MXenes Mn+1CnO2 (M = Ti, Zr and Hf, n = 1, 2 and 3): A proposal for renewable energy applications. Modern Physics Letters B, 2021, 35, 2150290.	1.0	2
218	Extraction Methods of Natural Products from Traditional Chinese Medicines. Methods in Molecular Biology, 2015, 1263, 177-185.	0.4	2
219	Tanshinones Against Cancer and Cardiovascular Diseases and their Biosynthesis. , 2013, , 3551-3581.		1
220	15th International symposium on the biology of the Actinomycetes; Shanghai 2009. Antonie Van Leeuwenhoek, 2010, 98, 117-118.	0.7	0
221	Design and Synthesis of Aza- β -Carboline Analogs and their Antibacterial Evaluation. Pharmaceutical Chemistry Journal, 2021, 55, 365.	0.3	0