

Zixin Deng

List of Publications by Year in descending order

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Version: 2024-02-01

172
papers

4,855
citations

126708

33
h-index

138251

58
g-index

241
all docs

241
docs citations

241
times ranked

5609
citing authors

#	ARTICLE	IF	CITATIONS
1	ICEberg 2.0: an updated database of bacterial integrative and conjugative elements. <i>Nucleic Acids Research</i> , 2019, 47, D660-D665.	6.5	363
2	TADB 2.0: an updated database of bacterial type II toxin-antitoxin loci. <i>Nucleic Acids Research</i> , 2018, 46, D749-D753.	6.5	252
3	Phosphorothioation of DNA in bacteria by <i>dnd</i> genes. <i>Nature Chemical Biology</i> , 2007, 3, 709-710.	3.9	234
4	oriTfinder: a web-based tool for the identification of origin of transfers in DNA sequences of bacterial mobile genetic elements. <i>Nucleic Acids Research</i> , 2018, 46, W229-W234.	6.5	215
5	<sc>SecReT6</sc>: a web-based resource for type <sc>VI</sc> secretion systems found in bacteria. <i>Environmental Microbiology</i> , 2015, 17, 2196-2202.	1.8	170
6	Complete genome sequence of hypervirulent and outbreak-associated <i>Acinetobacter baumannii</i> strain LAC-4: epidemiology, resistance genetic determinants and potential virulence factors. <i>Scientific Reports</i> , 2015, 5, 8643.	1.6	132
7	Biosynthesis of plant-derived ginsenoside Rh2 in yeast via repurposing a key promiscuous microbial enzyme. <i>Metabolic Engineering</i> , 2017, 42, 25-32.	3.6	119
8	<i>Streptomyces</i> species: Ideal chassis for natural product discovery and overproduction. <i>Metabolic Engineering</i> , 2018, 50, 74-84.	3.6	102
9	VRprofile: gene-cluster-detection-based profiling of virulence and antibiotic resistance traits encoded within genome sequences of pathogenic bacteria. <i>Briefings in Bioinformatics</i> , 2018, 19, bbw141.	3.2	100
10	Advances in CRISPR-Cas systems for RNA targeting, tracking and editing. <i>Biotechnology Advances</i> , 2019, 37, 708-729.	6.0	95
11	Genomic mapping of phosphorothioates reveals partial modification of short consensus sequences. <i>Nature Communications</i> , 2014, 5, 3951.	5.8	90
12	Functional Genome Mining Reveals a Class V Lanthipeptide Containing a <sc>d</sc>-Amino Acid Introduced by an F ₄₂₀ H ₂ -Dependent Reductase. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18029-18035.	7.2	84
13	Genetic mechanisms of arsenic detoxification and metabolism in bacteria. <i>Current Genetics</i> , 2019, 65, 329-338.	0.8	77
14	Argonaute integrated single-tube PCR system enables supersensitive detection of rare mutations. <i>Nucleic Acids Research</i> , 2021, 49, e75-e75.	6.5	66
15	Functional Genome Mining for Metabolites Encoded by Large Gene Clusters through Heterologous Expression of a Whole-Genome Bacterial Artificial Chromosome Library in <i>Streptomyces</i> spp. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5795-5805.	1.4	65
16	Convergence of DNA methylation and phosphorothioation epigenetics in bacterial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4501-4506.	3.3	64
17	CRISPR/dCas9-Mediated Multiplex Gene Repression in <i>Streptomyces</i> . <i>Biotechnology Journal</i> , 2018, 13, e1800121.	1.8	62
18	Mobilization of the nonconjugative virulence plasmid from hypervirulent <i>Klebsiella pneumoniae</i> . <i>Genome Medicine</i> , 2021, 13, 119.	3.6	60

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19	Identification and Characterization of an Antibacterial Type VI Secretion System in the Carbapenem-Resistant Strain <i>Klebsiella pneumoniae</i> HS11286. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 442.	1.8	58
20	Mapping the resistance-associated mobilome of a carbapenem-resistant <i>Klebsiella pneumoniae</i> strain reveals insights into factors shaping these regions and facilitates generation of a "resistance-disarmed" model organism. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 2770-2774.	1.3	55
21	Large-Scale Transposition Mutagenesis of <i>Streptomyces coelicolor</i> Identifies Hundreds of Genes Influencing Antibiotic Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	52
22	Gut microbiome interventions in human health and diseases. <i>Medicinal Research Reviews</i> , 2019, 39, 2286-2313.	5.0	52
23	Engineering and modification of microbial chassis for systems and synthetic biology. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 25-33.	1.8	52
24	Proteomic Analysis and NIR-II Imaging of MCM2 Protein in Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2018, 17, 2428-2439.	1.8	51
25	Promising methods for detection of novel coronavirus SARS-CoV-2. <i>View</i> , 2020, 1, e4.	2.7	47
26	polR, a pathway-specific transcriptional regulatory gene, positively controls polyoxin biosynthesis in <i>Streptomyces cacaoi</i> subsp. <i>asoensis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 1819-1831.	0.7	45
27	Metabolic engineering of microbes for branched-chain biodiesel production with low-temperature property. <i>Biotechnology for Biofuels</i> , 2015, 8, 92.	6.2	45
28	Xylitol production from waste xylose mother liquor containing miscellaneous sugars and inhibitors: one-pot biotransformation by <i>Candida tropicalis</i> and recombinant <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2016, 15, 82.	1.9	43
29	Emergence of the third-generation cephalosporin-resistant hypervirulent <i>Klebsiella pneumoniae</i> due to the acquisition of a self-transferable <i>bla</i> _{DHA-1} -carrying plasmid by an ST23 strain. <i>Virulence</i> , 2018, 9, 838-844.	1.8	42
30	ThuricinAZ: A Narrow-Spectrum Sactibiotic that Targets the Cell Membrane. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18793-18797.	7.2	42
31	Engineered <i>Streptomyces lividans</i> Strains for Optimal Identification and Expression of Cryptic Biosynthetic Gene Clusters. <i>Frontiers in Microbiology</i> , 2018, 9, 3042.	1.5	40
32	Structural basis for the biosynthesis of lovastatin. <i>Nature Communications</i> , 2021, 12, 867.	5.8	40
33	Revisiting the Mechanism of the Anaerobic Coproporphyrinogen-III Oxidase HemN. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6235-6238.	7.2	37
34	Development of <i>Streptomyces</i> sp. FR-008 as an emerging chassis. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 207-214.	1.8	36
35	Genome engineering for microbial natural product discovery. <i>Current Opinion in Microbiology</i> , 2018, 45, 53-60.	2.3	36
36	Reconstitution of Kinamycin Biosynthesis within the Heterologous Host <i>Streptomyces albus</i> J1074. <i>Journal of Natural Products</i> , 2018, 81, 72-77.	1.5	35

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37	Synthetic Genomics: From DNA Synthesis to Genome Design. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1748-1756.	7.2	35
38	Operon for Biosynthesis of Lipstatin, the Beta-Lactone Inhibitor of Human Pancreatic Lipase. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7473-7483.	1.4	34
39	Structural basis for the recognition of sulfur in phosphorothioated DNA. <i>Nature Communications</i> , 2018, 9, 4689.	5.8	34
40	DNA Backbone Sulfur-Modification Expands Microbial Growth Range under Multiple Stresses by its anti-oxidation function. <i>Scientific Reports</i> , 2017, 7, 3516.	1.6	33
41	Biosynthesis of plant tetrahydroisoquinoline alkaloids through an imine reductase route. <i>Chemical Science</i> , 2020, 11, 364-371.	3.7	32
42	Improving the Expression of Recombinant Proteins in <i>E. coli</i> BL21 (DE3) under Acetate Stress: An Alkaline pH Shift Approach. <i>PLoS ONE</i> , 2014, 9, e112777.	1.1	32
43	An Alternative Approach to Synthesizing Galactooligosaccharides by Cell-Surface Display of β -Galactosidase on <i>Yarrowia lipolytica</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3819-3827.	2.4	31
44	A Multifunctional Monooxygenase XanO4 Catalyzes Xanthone Formation in Xantholipin Biosynthesis via a Cryptic Demethoxylation. <i>Cell Chemical Biology</i> , 2016, 23, 508-516.	2.5	31
45	Identification and characterization of acetyltransferase-type toxin antitoxin locus in <i>Klebsiella pneumoniae</i> . <i>Molecular Microbiology</i> , 2018, 108, 336-349.	1.2	31
46	Heterologous Biosynthesis of Type II Polyketide Products Using <i>E. coli</i> . <i>ACS Chemical Biology</i> , 2020, 15, 1177-1183.	1.6	31
47	VRprofile2: detection of antibiotic resistance-associated mobilome in bacterial pathogens. <i>Nucleic Acids Research</i> , 2022, 50, W768-W773.	6.5	31
48	Radical SAM-dependent ether crosslink in daropeptide biosynthesis. <i>Nature Communications</i> , 2022, 13, 2361.	5.8	31
49	Iteratively improving natamycin production in <i>Streptomyces gilvosporeus</i> by a large operon-reporter based strategy. <i>Metabolic Engineering</i> , 2016, 38, 418-426.	3.6	30
50	Characterization of 2-Oxindole Forming Heme Enzyme MarE, Expanding the Functional Diversity of the Tryptophan Dioxygenase Superfamily. <i>Journal of the American Chemical Society</i> , 2017, 139, 11887-11894.	6.6	30
51	Characterization of an efficient estrogen-degrading bacterium <i>Stenotrophomonas maltophilia</i> SJTH1 in saline-, alkaline-, heavy metal-contained environments or solid soil and identification of four 17β -estradiol-oxidizing dehydrogenases. <i>Journal of Hazardous Materials</i> , 2020, 385, 121616.	6.5	30
52	Multiplex genome editing using a dCas9-cytidine deaminase fusion in <i>Streptomyces</i> . <i>Science China Life Sciences</i> , 2020, 63, 1053-1062.	2.3	28
53	Genome mining as a biotechnological tool for the discovery of novel marine natural products. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 571-589.	5.1	26
54	Post-translational Formation of Aminomalonate by a Promiscuous Peptide-Modifying Radical SAM Enzyme. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19957-19964.	7.2	26

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55	Biosynthesis of the pyrrolidine protein synthesis inhibitor anisomycin involves novel gene ensemble and cryptic biosynthetic steps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4135-4140.	3.3	25
56	Mechanistic Investigation on ROS Resistance of Phosphorothioated DNA. <i>Scientific Reports</i> , 2017, 7, 42823.	1.6	24
57	Hybrubins: Bipyrrrole Tetramic Acids Obtained by Crosstalk between a Truncated Undecylprodigiosin Pathway and Heterologous Tetramic Acid Biosynthetic Genes. <i>Organic Letters</i> , 2016, 18, 572-575.	2.4	23
58	Molecular basis of regio- and stereo-specificity in biosynthesis of bacterial heterodimeric diketopiperazines. <i>Nature Communications</i> , 2020, 11, 6251.	5.8	23
59	DNA Phosphorothioate Modification Plays a Role in Peroxides Resistance in <i>Streptomyces lividans</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1380.	1.5	22
60	Genome-Wide Mutagenesis Links Multiple Metabolic Pathways with Actinorhodin Production in <i>Streptomyces coelicolor</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	22
61	Recognition and cleavage of 5-methylcytosine DNA by bacterial SRA-HNH proteins. <i>Nucleic Acids Research</i> , 2015, 43, 1147-1159.	6.5	21
62	Formation of an Angular Aromatic Polyketide from a Linear Anthrene Precursor via Oxidative Rearrangement. <i>Cell Chemical Biology</i> , 2017, 24, 881-891.e4.	2.5	21
63	Regulatory Mechanism of Nicotine Degradation in <i>Pseudomonas putida</i> . <i>MBio</i> , 2019, 10, .	1.8	21
64	Toxin-antitoxin operon <i>kacAT</i> of <i>Klebsiella pneumoniae</i> is regulated by conditional cooperativity via a W-shaped <i>KacA-KacT</i> complex. <i>Nucleic Acids Research</i> , 2019, 47, 7690-7702.	6.5	20
65	A novel streptonigrin type alkaloid from the <i>Streptomyces flocculus</i> CGMCC 4.1223 mutant <i>ΔstnA/Q2</i> . <i>Natural Product Research</i> , 2020, , 1-9.	1.0	19
66	Genetic characterization of enzymes involved in the priming steps of oxytetracycline biosynthesis in <i>Streptomyces rimosus</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 2401-2409.	0.7	18
67	Inactivation of the positive LuxR-type oligomycin biosynthesis regulators <i>OlmRI</i> and <i>OlmRII</i> increases avermectin production in <i>Streptomyces avermitilis</i> . <i>Science Bulletin</i> , 2012, 57, 869-876.	1.7	18
68	Regulation of DNA phosphorothioate modifications by the transcriptional regulator <i>DptB</i> in <i>Salmonella</i> . <i>Molecular Microbiology</i> , 2015, 97, 1186-1194.	1.2	18
69	Biosynthesis of Tropolones in <i>Streptomyces</i> spp.: Interweaving Biosynthesis and Degradation of Phenylacetic Acid and Hydroxylations on the Tropone Ring. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	18
70	Characterization of the positive SARP family regulator <i>PieR</i> for improving piericidin A1 production in <i>Streptomyces pinogetus</i> var. <i>Hangzhouwanensis</i> . <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 16-24.	1.8	18
71	Indole methylation protects diketopiperazine configuration in the maremycin biosynthetic pathway. <i>Science China Chemistry</i> , 2016, 59, 1224-1228.	4.2	17
72	Identification and characterization of chromosomal <i>relBE</i> toxin-antitoxin locus in <i>Streptomyces cattleya</i> DSM46488. <i>Scientific Reports</i> , 2016, 6, 32047.	1.6	17

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73	Characterization and Mechanistic Study of the Radical SAM Enzyme ArsS Involved in Arsenosugar Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7570-7575.	7.2	17
74	Functional characterization of the first two actinomycete 4-amino-4-deoxychorismate lyase genes. <i>Microbiology (United Kingdom)</i> , 2009, 155, 2450-2459.	0.7	16
75	Quantitative mapping of DNA phosphorothioate reveals phosphorothioate heterogeneity of low modification frequency. <i>PLoS Genetics</i> , 2019, 15, e1008026.	1.5	16
76	DNA backbone interactions impact the sequence specificity of DNA sulfur-binding domains: revelations from structural analyses. <i>Nucleic Acids Research</i> , 2020, 48, 8755-8766.	6.5	16
77	Naphthoquinone-Based Meroterpenoids from Marine-Derived <i>Streptomyces</i> sp. B9173. <i>Biomolecules</i> , 2020, 10, 1187.	1.8	16
78	One-Pot Asymmetric Synthesis of an Aminodiol Intermediate of Florfenicol Using Engineered Transketolase and Transaminase. <i>ACS Catalysis</i> , 2021, 11, 7477-7488.	5.5	16
79	Molecular mechanisms by which casein glycomacropeptide maintains internal homeostasis in mice with experimental ulcerative colitis. <i>PLoS ONE</i> , 2017, 12, e0181075.	1.1	16
80	Catalytic trajectory of a dimeric nonribosomal peptide synthetase subunit with an inserted epimerase domain. <i>Nature Communications</i> , 2022, 13, 592.	5.8	16
81	Identification of (2S,3S)- $\hat{\text{I}}^2$ -Methyltryptophan as the Real Biosynthetic Intermediate of Antitumor Agent Streptonigrin. <i>Scientific Reports</i> , 2016, 6, 20273.	1.6	15
82	NRPS Protein MarQ Catalyzes Flexible Adenylation and Specific S-Methylation. <i>ACS Chemical Biology</i> , 2018, 13, 2387-2391.	1.6	15
83	Characterization of an $\hat{\text{I}}^2$ -estradiol-degrading bacterium <i>Stenotrophomonas maltophilia</i> SJTL3 tolerant to adverse environmental factors. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1291-1305.	1.7	15
84	A severe leakage of intermediates to shunt products in acarbose biosynthesis. <i>Nature Communications</i> , 2020, 11, 1468.	5.8	15
85	Functional Genome Mining Reveals a Class V Lanthipeptide Containing an $\hat{\text{I}}^2$ -Amino Acid Introduced by an F420H2-Dependent Reductase. <i>Angewandte Chemie</i> , 2020, 132, 18185-18191.	1.6	15
86	Sulfonium-Based Homolytic Substitution Observed for the Radical SAM Enzyme HemN. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8880-8884.	7.2	15
87	Genome Mining and Biosynthesis Study of a Type B Linaridin Reveals a Highly Versatile $\hat{\text{I}}^2$ -Methyltransferase. <i>CCS Chemistry</i> , 2021, 3, 1049-1057.	4.6	15
88	Biosynthesis of the $\hat{\text{I}}^2$ -Methylarginine Residue of Peptidyl Nucleoside Arginomycin in <i>Streptomyces arginensis</i> NRRL 15941. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5021-5027.	1.4	14
89	Recent Advances in the Genomic Profiling of Bacterial Epigenetic Modifications. <i>Biotechnology Journal</i> , 2019, 14, e1800001.	1.8	14
90	The origin and impeded dissemination of the DNA phosphorothioation system in prokaryotes. <i>Nature Communications</i> , 2021, 12, 6382.	5.8	14

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91	Structure of the N-glycosidase MilB in complex with hydroxymethyl CMP reveals its Arg23 specifically recognizes the substrate and controls its entry. <i>Nucleic Acids Research</i> , 2014, 42, 8115-8124.	6.5	13
92	FIGNL1 is overexpressed in small cell lung cancer patients and enhances NCI-H446 cell resistance to cisplatin and etoposide. <i>Oncology Reports</i> , 2017, 37, 1935-1942.	1.2	13
93	Substrate-bound structures of a ketoreductase from amphotericin modular polyketide synthase. <i>Journal of Structural Biology</i> , 2018, 203, 135-141.	1.3	13
94	Characterization of the Phenanthrene-Degrading <i>Sphingobium yanoikuyae</i> SJTF8 in Heavy Metal Co-Existing Liquid Medium and Analysis of Its Metabolic Pathway. <i>Microorganisms</i> , 2020, 8, 946.	1.6	13
95	Highly Efficient Erythritol Recovery from Waste Erythritol Mother Liquor by a Yeast-Mediated Biorefinery Process. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 11020-11028.	2.4	12
96	Identification of a conserved DNA sulfur recognition domain by characterizing the phosphorothioate-specific endonuclease SprMcrA from <i>Streptomyces pristinaespiralis</i> . <i>Molecular Microbiology</i> , 2018, 110, 484-497.	1.2	12
97	Structural Insights into the Substrate Specificity of Acyltransferases from Salinomycin Polyketide Synthase. <i>Biochemistry</i> , 2019, 58, 2978-2986.	1.2	12
98	DNA Phosphorothioate Modifications Are Widely Distributed in the Human Microbiome. <i>Biomolecules</i> , 2020, 10, 1175.	1.8	12
99	T4SEfinder: a bioinformatics tool for genome-scale prediction of bacterial type IV secreted effectors using pre-trained protein language model. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	12
100	Antibiotic biosynthetic pathways and pathway engineering—a growing research field in China. <i>Natural Product Reports</i> , 2006, 23, 811-827.	5.2	11
101	CtcS, a MarR family regulator, regulates chlortetracycline biosynthesis. <i>BMC Microbiology</i> , 2019, 19, 279.	1.3	11
102	An aurora of natural products-based drug discovery is coming. <i>Synthetic and Systems Biotechnology</i> , 2020, 5, 92-96.	1.8	11
103	Xantholipin B produced by the stnR inactivation mutant <i>Streptomyces flocculus</i> CGMCC 4.1223 WJN-1. <i>Journal of Antibiotics</i> , 2017, 70, 90-95.	1.0	10
104	Stereospecificity of Enoylreductase Domains from Modular Polyketide Synthases. <i>ACS Chemical Biology</i> , 2018, 13, 871-875.	1.6	10
105	Offloading Role of a Discrete Thioesterase in Type II Polyketide Biosynthesis. <i>MBio</i> , 2020, 11, .	1.8	10
106	Harnessing phosphonate antibiotics argolaphos biosynthesis enables a synthetic biology-based green synthesis of glyphosate. <i>Nature Communications</i> , 2022, 13, 1736.	5.8	10
107	Identification and engineering of regulation-related genes toward improved kasugamycin production. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1811-1821.	1.7	9
108	De Novo Biosynthesis of Î²-Valienamine in Engineered <i>Streptomyces hygrosopicus</i> 5008. <i>ACS Synthetic Biology</i> , 2016, 5, 15-20.	1.9	9

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109	A LuxR family transcriptional regulator AniF promotes the production of anisomycin and its derivatives in <i>Streptomyces hygrosprosinus</i> var. <i>beijingensis</i> . <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 40-48.	1.8	9
110	Probing and Engineering the Fatty Acyl Substrate Selectivity of Starter Condensation Domains of Nonribosomal Peptide Synthetases in Lipopeptide Biosynthesis. <i>Biotechnology Journal</i> , 2020, 15, e1900175.	1.8	9
111	Structural and Biochemical Insight into the Recruitment of Acyl Carrier Protein-Linked Extender Units in Ansamitocin Biosynthesis. <i>ChemBioChem</i> , 2020, 21, 1309-1314.	1.3	9
112	Generation of tetracycline B derivative with improved pharmacological property based on pathway engineering. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2561-2573.	1.7	9
113	Production of Heterodimeric Diketopiperazines Employing a <i>Mycobacterium</i> -Based Whole-Cell Biocatalysis System. <i>Journal of Organic Chemistry</i> , 2021, 86, 11189-11197.	1.7	9
114	Challenges of functional expression of complex polyketide biosynthetic gene clusters. <i>Current Opinion in Biotechnology</i> , 2021, 69, 103-111.	3.3	9
115	Phosphorothioated DNA Is Shielded from Oxidative Damage. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	8
116	An in vitro DNA phosphorothioate modification reaction. <i>Molecular Microbiology</i> , 2020, 113, 452-463.	1.2	8
117	Flavin Adenine Dinucleotide-Dependent Halogenase XanH and Engineering of Multifunctional Fusion Halogenases. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	8
118	Defense Mechanism of Phosphorothioated DNA under Peroxynitrite-Mediated Oxidative Stress. <i>ACS Chemical Biology</i> , 2020, 15, 2558-2567.	1.6	8
119	Structural Analysis of an <i>scpA</i> -Cysteine Desulfurase from an <i>Ssp</i> DNA Phosphorothioation System. <i>MBio</i> , 2020, 11, .	1.8	8
120	Metabolism analysis of 17 β -ethynylestradiol by <i>Pseudomonas citronellolis</i> SJTE-3 and identification of the functional genes. <i>Journal of Hazardous Materials</i> , 2022, 423, 127045.	6.5	8
121	Expanding the Chemical Diversity of Fasamycin Via Genome Mining and Biocatalysis. <i>Journal of Natural Products</i> , 2022, 85, 943-950.	1.5	8
122	Origin of iodine preferential attack at sulfur in phosphorothioate and subsequent P-O or P-S bond dissociation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119032119.	3.3	8
123	Structural basis of the substrate preference towards CMP for a thymidylate synthase MilA involved in mildiomycin biosynthesis. <i>Scientific Reports</i> , 2016, 6, 39675.	1.6	7
124	EGFR with TKI-sensitive mutations in exon 19 is highly expressed and frequently detected in Chinese patients with lung squamous carcinoma. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 4607-4613.	1.0	7
125	Cezomycin Is Activated by CalC to Its Ester Form for Further Biosynthesis Steps in the Production of Calcimycin in <i>Streptomyces chartreusis</i> NRRL 3882. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	7
126	<i>Nonomuraea nitratireducens</i> sp. nov., a new actinobacterium isolated from Suaeda australis Moq. rhizosphere. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5026-5031.	0.8	7

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127	A Site-Specific Integrative Plasmid Found in <i>Pseudomonas aeruginosa</i> Clinical Isolate HS87 along with A Plasmid Carrying an Aminoglycoside-Resistant Gene. <i>PLoS ONE</i> , 2016, 11, e0148367.	1.1	7
128	Characterization of the Tellurite-Resistance Properties and Identification of the Core Function Genes for Tellurite Resistance in <i>Pseudomonas citronellolis</i> SJTE-3. <i>Microorganisms</i> , 2022, 10, 95.	1.6	7
129	Molecular recognition between bacterial phosphorothioate DNA and sulfur-binding domain (SBD): competition between the water cage and chalcogen-hydrophobic packet. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9176-9187.	1.3	7
130	Enhanced validamycin production and gene expression at elevated temperature in <i>Streptomyces hygroscopicus</i> subsp. <i>jingangensis</i> 5008. <i>Science Bulletin</i> , 2009, 54, 1204-1209.	4.3	6
131	The standalone aminopeptidase PepN catalyzes the maturation of blasticidin S from leucylblasticidin S. <i>Scientific Reports</i> , 2015, 5, 17641.	1.6	6
132	Functional Characterization of PyrG, an Unusual Nonribosomal Peptide Synthetase Module from the Pyridomycin Biosynthetic Pathway. <i>ChemBioChem</i> , 2016, 17, 1421-1425.	1.3	6
133	A [3Fe-4S] cluster and tRNA-dependent aminoacyltransferase BlsK in the biosynthesis of Blasticidin S. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2102318118.	3.3	6
134	Phosphorothioate-DNA bacterial diet reduces the ROS levels in <i>C. elegans</i> while improving locomotion and longevity. <i>Communications Biology</i> , 2021, 4, 1335.	2.0	6
135	Unexpected Role of a Short-Chain Dehydrogenase/Reductase Family Protein in Type II Polyketide Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	6
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