

Yunxue Guo

List of Publications by Year in descending order

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55
papers

2,652
citations

218381

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197535

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all docs

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3011
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#	ARTICLE	IF	CITATIONS
1	The HipAB Toxin–Antitoxin System Stabilizes a Composite Genomic Island in <i>Shewanella putrefaciens</i> CN-32. <i>Frontiers in Microbiology</i> , 2022, 13, 858857.	1.5	5
2	Filamentous prophage capsid proteins contribute to superinfection exclusion and phage defence in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2022, 24, 4285-4298.	1.8	10
3	Antitoxin CrIA of CrITA Toxin–Antitoxin System in a Clinical Isolate <i>Pseudomonas aeruginosa</i> Inhibits Lytic Phage Infection. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	7
4	The coral pathogen <i>Vibrio coralliilyticus</i> kills non-pathogenic holobiont competitors by triggering prophage induction. <i>Nature Ecology and Evolution</i> , 2022, 6, 1132-1144.	3.4	20
5	Type VII Toxin/Antitoxin Classification System for Antitoxins that Enzymatically Neutralize Toxins. <i>Trends in Microbiology</i> , 2021, 29, 388-393.	3.5	58
6	Xenogeneic silencing relies on temperature-dependent phosphorylation of the host H-NS protein in <i>Shewanella</i> . <i>Nucleic Acids Research</i> , 2021, 49, 3427-3440.	6.5	11
7	Rapid detection of temperate bacteriophage using a simple motility assay. <i>Environmental Microbiology Reports</i> , 2021, 13, 728-734.	1.0	2
8	Prophage Tracer: precisely tracing prophages in prokaryotic genomes using overlapping split-read alignment. <i>Nucleic Acids Research</i> , 2021, 49, e128-e128.	6.5	12
9	Conjugative plasmid-encoded toxin–antitoxin system PrpT/PrpA directly controls plasmid copy number. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
10	Antagonism between coral pathogen <i>Vibrio coralliilyticus</i> and other bacteria in the gastric cavity of scleractinian coral <i>Galaxea fascicularis</i> . <i>Science China Earth Sciences</i> , 2020, 63, 157-166.	2.3	21
11	Novel polyadenylation-dependent neutralization mechanism of the HEPN/MNT toxin/antitoxin system. <i>Nucleic Acids Research</i> , 2020, 48, 11054-11067.	6.5	27
12	Upregulation of a marine fungal biosynthetic gene cluster by an endobacterial symbiont. <i>Communications Biology</i> , 2020, 3, 527.	2.0	12
13	Identification of bacteria-derived urease in the coral gastric cavity. <i>Science China Earth Sciences</i> , 2020, 63, 1553-1563.	2.3	10
14	Prophage encoding toxin/antitoxin system PfiT/PfiA inhibits Pf4 production in <i>Pseudomonas aeruginosa</i> . <i>Microbial Biotechnology</i> , 2020, 13, 1132-1144.	2.0	30
15	Symbiosis of a P2 family phage and deep-sea <i>Shewanella putrefaciens</i> . <i>Environmental Microbiology</i> , 2019, 21, 4212-4232.	1.8	16
16	Resistance to oxidative stress by inner membrane protein ElaB is regulated by OxyR and RpoS. <i>Microbial Biotechnology</i> , 2019, 12, 392-404.	2.0	21
17	Eliminating mcr-1-harboring plasmids in clinical isolates using the CRISPR/Cas9 system. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2559-2565.	1.3	48
18	Biofilm formation in <i>Pseudoalteromonas lipolytica</i> is related to IS5-like insertions in the capsular polysaccharide operon. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	7

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19	Structure and allosteric coupling of type II antitoxin CopASO. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 1122-1127.	1.0	5
20	Phages Mediate Bacterial Self-Recognition. <i>Cell Reports</i> , 2019, 27, 737-749.e4.	2.9	20
21	Characterization of Two Toxin-Antitoxin Systems in Deep-Sea <i>Streptomyces</i> sp. SCSIO 02999. <i>Marine Drugs</i> , 2019, 17, 211.	2.2	4
22	Antitoxin HigA inhibits virulence gene <i>mvfR</i> expression in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2019, 21, 2707-2723.	1.8	39
23	Recent progress on signalling molecules of coral-associated microorganisms. <i>Science China Earth Sciences</i> , 2019, 62, 609-618.	2.3	6
24	Excisionase in Pf filamentous prophage controls lysis-lysogeny decision-making in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2019, 111, 495-513.	1.2	34
25	Colistin Resistance Gene <i>mcr-1</i> Mediates Cell Permeability and Resistance to Hydrophobic Antibiotics. <i>Frontiers in Microbiology</i> , 2019, 10, 3015.	1.5	49
26	Type II toxin/antitoxin system ParE _{SO} /CopA _{SO} stabilizes prophage CP4So in <i>Shewanella oneidensis</i> . <i>Environmental Microbiology</i> , 2018, 20, 1224-1239.	1.8	39
27	Structure-function analyses reveal the molecular architecture and neutralization mechanism of a bacterial HEPN-MNT toxin-antitoxin system. <i>Journal of Biological Chemistry</i> , 2018, 293, 6812-6823.	1.6	24
28	Characteristics and Trends of Ambient Ozone and Nitrogen Oxides at Urban, Suburban, and Rural Sites from 2011 to 2017 in Shenzhen, China. <i>Sustainability</i> , 2018, 10, 4530.	1.6	23
29	Antimicrobial Resistance Profile of <i>mcr-1</i> Positive Clinical Isolates of <i>Escherichia coli</i> in China From 2013 to 2016. <i>Frontiers in Microbiology</i> , 2018, 9, 2514.	1.5	28
30	Marine Bacteria Provide Lasting Anticorrosion Activity for Steel via Biofilm-Induced Mineralization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40317-40327.	4.0	87
31	Tail-Anchored Inner Membrane Protein ElaB Increases Resistance to Stress While Reducing Persistence in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	31
32	Dissemination and loss of a biofilm-related genomic island in marine <i>Pseudoalteromonas</i> mediated by integrative and conjugative elements. <i>Environmental Microbiology</i> , 2017, 19, 4620-4637.	1.8	10
33	Pyomelanin from <i>Pseudoalteromonas lipolytica</i> reduces biofouling. <i>Microbial Biotechnology</i> , 2017, 10, 1718-1731.	2.0	35
34	Interaction of Type IV Toxin/Antitoxin Systems in Cryptic Prophages of <i>Escherichia coli</i> K-12. <i>Toxins</i> , 2017, 9, 77.	1.5	27
35	Quantifying Grain-Size Variability of Metal Pollutants in Road-Deposited Sediments Using the Coefficient of Variation. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 850.	1.2	21
36	Characterization of the Deep-Sea <i>Streptomyces</i> sp. SCSIO 02999 Derived VapC/VapB Toxin-Antitoxin System in <i>Escherichia coli</i> . <i>Toxins</i> , 2016, 8, 195.	1.5	10

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37	Cryptic prophages as targets for drug development. Drug Resistance Updates, 2016, 27, 30-38.	6.5	58
38	Complete genome sequence of <i>Vibrio alginolyticus</i> ATCC 33787T isolated from seawater with three native megaplasmids. Marine Genomics, 2016, 28, 45-47.	0.4	16
39	Complete genome sequence of <i>Pseudoalteromonas rubra</i> SCSIO 6842, harboring a putative conjugative plasmid pMBL6842. Journal of Biotechnology, 2016, 224, 66-67.	1.9	8
40	Cold adaptation regulated by cryptic prophage excision in <i>Shewanella oneidensis</i> . ISME Journal, 2016, 10, 2787-2800.	4.4	72
41	Development and application of watershed-scale indicator to quantify non-point source P losses in semi-humid and semi-arid watershed, China. Ecological Indicators, 2016, 63, 374-385.	2.6	11
42	Physiological Function of Rac Prophage During Biofilm Formation and Regulation of Rac Excision in <i>Escherichia coli</i> K-12. Scientific Reports, 2015, 5, 16074.	1.6	28
43	Identification and characterization of a <i>HEPN</i> family type II toxin-antitoxin in <i>Shewanella oneidensis</i> . Microbial Biotechnology, 2015, 8, 961-973.	2.0	34
44	Spatial and temporal characteristics of droughts in the Northeast China Transect. Natural Hazards, 2015, 76, 601-614.	1.6	28
45	Development of an efficient conjugation-based genetic manipulation system for <i>Pseudoalteromonas</i> . Microbial Cell Factories, 2015, 14, 11.	1.9	81
46	Characterization of self-generated variants in <i>Pseudoalteromonas lipolytica</i> biofilm with increased antifouling activities. Applied Microbiology and Biotechnology, 2015, 99, 10127-10139.	1.7	39
47	RalR (a DNase) and RalA (a small RNA) form a type I toxin-antitoxin system in <i>Escherichia coli</i> . Nucleic Acids Research, 2014, 42, 6448-6462.	6.5	98
48	Estimation of the nonpoint source nitrogen load in a strongly disturbed watershed of the North China Plain. Water Science and Technology, 2014, 69, 1304-1311.	1.2	6
49	Precipitation partitioning in a diverse stand and a monospecific stand of regenerating forest in eastern China. Southern Forests, 2013, 75, 81-87.	0.2	0
50	Toxin-Antitoxin Systems Influence Biofilm and Persister Cell Formation and the General Stress Response. Applied and Environmental Microbiology, 2011, 77, 5577-5583.	1.4	368
51	Antitoxin MqsA helps mediate the bacterial general stress response. Nature Chemical Biology, 2011, 7, 359-366.	3.9	201
52	<i>IS5</i> inserts upstream of the master motility operon <i>flhDC</i> in a quasi-Lamarckian way. ISME Journal, 2011, 5, 1517-1525.	4.4	46
53	Controlling biofilm formation, prophage excision and cell death by rewiring global regulator σ^{54} of <i>Escherichia coli</i> . Microbial Biotechnology, 2010, 3, 344-356.	2.0	66
54	Cryptic prophages help bacteria cope with adverse environments. Nature Communications, 2010, 1, 147.	5.8	560

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55	Control and benefits of CP4-57 prophage excision in <i>Escherichia coli</i> biofilms. ISME Journal, 2009, 3, 1164-1179.	4.4	98