

# Yunxue Guo

## List of Publications by Year in descending order

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55  
papers

2,652  
citations

218381

26  
h-index

197535

49  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryptic prophages help bacteria cope with adverse environments. <i>Nature Communications</i> , 2010, 1, 147.	5.8	560
2	Toxin-Antitoxin Systems Influence Biofilm and Persister Cell Formation and the General Stress Response. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5577-5583.	1.4	368
3	Antitoxin MqsA helps mediate the bacterial general stress response. <i>Nature Chemical Biology</i> , 2011, 7, 359-366.	3.9	201
4	Control and benefits of CP4-57 prophage excision in <i>Escherichia coli</i> biofilms. <i>ISME Journal</i> , 2009, 3, 1164-1179.	4.4	98
5	RalR (a DNase) and RalA (a small RNA) form a type I toxin-antitoxin system in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2014, 42, 6448-6462.	6.5	98
6	Marine Bacteria Provide Lasting Anticorrosion Activity for Steel via Biofilm-Induced Mineralization. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40317-40327.	4.0	87
7	Development of an efficient conjugation-based genetic manipulation system for <i>Pseudoalteromonas</i> . <i>Microbial Cell Factories</i> , 2015, 14, 11.	1.9	81
8	Cold adaptation regulated by cryptic prophage excision in <i>Shewanella oneidensis</i> . <i>ISME Journal</i> , 2016, 10, 2787-2800.	4.4	72
9	Controlling biofilm formation, prophage excision and cell death by rewiring global regulator H $\epsilon$ NS of <i>Escherichia coli</i> . <i>Microbial Biotechnology</i> , 2010, 3, 344-356.	2.0	66
10	Cryptic prophages as targets for drug development. <i>Drug Resistance Updates</i> , 2016, 27, 30-38.	6.5	58
11	Type VII Toxin/Antitoxin Classification System for Antitoxins that Enzymatically Neutralize Toxins. <i>Trends in Microbiology</i> , 2021, 29, 388-393.	3.5	58
12	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
13	Eliminating <i>mcr-1</i> -harbouring plasmids in clinical isolates using the CRISPR/Cas9 system. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2559-2565.	1.3	48
14	IS $\phi$ 5 inserts upstream of the master motility operon <i>flhDC</i> in a quasi-Lamarckian way. <i>ISME Journal</i> , 2011, 5, 1517-1525.	4.4	46
15	Characterization of self-generated variants in <i>Pseudoalteromonas lipolytica</i> biofilm with increased antifouling activities. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10127-10139.	1.7	39
16	Type II toxin/antitoxin system ParE <sub>SO</sub> /CopA <sub>SO</sub> stabilizes prophage CP4So in <i>Shewanella oneidensis</i> . <i>Environmental Microbiology</i> , 2018, 20, 1224-1239.	1.8	39
17	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
18	Pyomelanin from <i>Pseudoalteromonas lipolytica</i> reduces biofouling. <i>Microbial Biotechnology</i> , 2017, 10, 1718-1731.	2.0	35

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19	Identification and characterization of a <sc>HEPN&MNT</sc> family type <sc>II</sc> toxin&antitoxin in <sc><i>Shewanella oneidensis</i></sc>. Microbial Biotechnology, 2015, 8, 961-973.	2.0	34
20	Excisionase in Pf filamentous prophage controls lysis&lysogeny decision&making in <i>Pseudomonas aeruginosa</i>. Molecular Microbiology, 2019, 111, 495-513.	1.2	34
21	Tail-Anchored Inner Membrane Protein ElaB Increases Resistance to Stress While Reducing Persistence in Escherichia coli. Journal of Bacteriology, 2017, 199, .	1.0	31
22	Prophage encoding toxin/antitoxin system PfiT/PfiA inhibits Pf4 production in <i>Pseudomonas aeruginosa</i>. Microbial Biotechnology, 2020, 13, 1132-1144.	2.0	30
23	Physiological Function of Rac Prophage During Biofilm Formation and Regulation of Rac Excision in Escherichia coli K-12. Scientific Reports, 2015, 5, 16074.	1.6	28
24	Spatial and temporal characteristics of droughts in the Northeast China Transect. Natural Hazards, 2015, 76, 601-614.	1.6	28
25	Antimicrobial Resistance Profile of mcr-1 Positive Clinical Isolates of Escherichia coli in China From 2013 to 2016. Frontiers in Microbiology, 2018, 9, 2514.	1.5	28
26	Interaction of Type IV Toxin/Antitoxin Systems in Cryptic Prophages of Escherichia coli K-12. Toxins, 2017, 9, 77.	1.5	27
27	Novel polyadenylation-dependent neutralization mechanism of the HEPN/MNT toxin/antitoxin system. Nucleic Acids Research, 2020, 48, 11054-11067.	6.5	27
28	Conjugative plasmid-encoded toxin&antitoxin system PrpT/PrpA directly controls plasmid copy number. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
29	Structure&function analyses reveal the molecular architecture and neutralization mechanism of a bacterial HEPN&MNT toxin&antitoxin system. Journal of Biological Chemistry, 2018, 293, 6812-6823.	1.6	24
30	Characteristics and Trends of Ambient Ozone and Nitrogen Oxides at Urban, Suburban, and Rural Sites from 2011 to 2017 in Shenzhen, China. Sustainability, 2018, 10, 4530.	1.6	23
31	Quantifying Grain-Size Variability of Metal Pollutants in Road-Deposited Sediments Using the Coefficient of Variation. International Journal of Environmental Research and Public Health, 2017, 14, 850.	1.2	21
32	Resistance to oxidative stress by inner membrane protein ElaB is regulated by OxyR and RpoS. Microbial Biotechnology, 2019, 12, 392-404.	2.0	21
33	Antagonism between coral pathogen Vibrio coralliilyticus and other bacteria in the gastric cavity of scleractinian coral Galaxea fascicularis. Science China Earth Sciences, 2020, 63, 157-166.	2.3	21
34	Phages Mediate Bacterial Self-Recognition. Cell Reports, 2019, 27, 737-749.e4.	2.9	20
35	The coral pathogen Vibrio coralliilyticus kills non-pathogenic holobiont competitors by triggering prophage induction. Nature Ecology and Evolution, 2022, 6, 1132-1144.	3.4	20
36	Complete genome sequence of Vibrio alginolyticus ATCC 33787T isolated from seawater with three native megaplasmids. Marine Genomics, 2016, 28, 45-47.	0.4	16

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37	Symbiosis of a P2 family phage and deep-sea <i>Shewanella putrefaciens</i> . <i>Environmental Microbiology</i> , 2019, 21, 4212-4232.	1.8	16
38	Upregulation of a marine fungal biosynthetic gene cluster by an endobacterial symbiont. <i>Communications Biology</i> , 2020, 3, 527.	2.0	12
39	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
40	Development and application of watershed-scale indicator to quantify non-point source P losses in semi-humid and semi-arid watershed, China. <i>Ecological Indicators</i> , 2016, 63, 374-385.	2.6	11
41	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
42	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
43	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
44	Identification of bacteria-derived urease in the coral gastric cavity. <i>Science China Earth Sciences</i> , 2020, 63, 1553-1563.	2.3	10
45	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
46	Complete genome sequence of <i>Pseudoalteromonas rubra</i> SCSIO 6842, harboring a putative conjugative plasmid pMBL6842. <i>Journal of Biotechnology</i> , 2016, 224, 66-67.	1.9	8
47	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
48	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
49	Estimation of the nonpoint source nitrogen load in a strongly disturbed watershed of the North China Plain. <i>Water Science and Technology</i> , 2014, 69, 1304-1311.	1.2	6
50	Recent progress on signalling molecules of coral-associated microorganisms. <i>Science China Earth Sciences</i> , 2019, 62, 609-618.	2.3	6
51	Structure and allosteric coupling of type $\alpha$ antitoxin CopASO. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 1122-1127.	1.0	5
52	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
53	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
54	Rapid detection of temperate bacteriophage using a simple motility assay. <i>Environmental Microbiology Reports</i> , 2021, 13, 728-734.	1.0	2

#	ARTICLE	IF	CITATIONS
55	Precipitation partitioning in a diverse stand and a monospecific stand of regenerating forest in eastern China. <i>Southern Forests</i> , 2013, 75, 81-87.	0.2	0