

# Yao Wang

## List of Publications by Year in descending order

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61  
papers

2,607  
citations

218677

26  
h-index

206112

48  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2597  
citing authors

#	ARTICLE	IF	CITATIONS
1	T6SS secretes an LPS-binding effector to recruit OMVs for exploitative competition and horizontal gene transfer. <i>ISME Journal</i> , 2022, 16, 500-510.	9.8	44
2	A c-di-GMP Signaling Cascade Controls Motility, Biofilm Formation, and Virulence in <i>Burkholderia thailandensis</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, e0252921.	3.1	4
3	<i>Salmonella</i> Induces the cGAS-STING-Dependent Type I Interferon Response in Murine Macrophages by Triggering mtDNA Release. <i>MBio</i> , 2022, 13, .	4.1	10
4	Aerobactin-Mediated Iron Acquisition Enhances Biofilm Formation, Oxidative Stress Resistance, and Virulence of <i>Yersinia pseudotuberculosis</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 699913.	3.5	13
5	The transcriptional regulator Zur regulates the expression of ZnuABC and T6SS4 in response to stresses in <i>Yersinia pseudotuberculosis</i> . <i>Microbiological Research</i> , 2021, 249, 126787.	5.3	15
6	Contact-independent killing mediated by a T6SS effector with intrinsic cell-entry properties. <i>Nature Communications</i> , 2021, 12, 423.	12.8	42
7	T6SS translocates a micropeptide to suppress STING-mediated innate immunity by sequestering manganese. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	27
8	Sensing of autoinducer-2 by functionally distinct receptors in prokaryotes. <i>Nature Communications</i> , 2020, 11, 5371.	12.8	86
9	HpaR, the Repressor of Aromatic Compound Metabolism, Positively Regulates the Expression of T6SS4 to Resist Oxidative Stress in <i>Yersinia pseudotuberculosis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 705.	3.5	9
10	Deciphering the Root Endosphere Microbiome of the Desert Plant <i>Alhagi sparsifolia</i> for Drought Resistance-Promoting Bacteria. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	44
11	Genome-wide identification of and functional insights into the late embryogenesis abundant (LEA) gene family in bread wheat ( <i>Triticum aestivum</i> ). <i>Scientific Reports</i> , 2019, 9, 13375.	3.3	42
12	An Osmoregulatory Mechanism Operating through OmpR and LrhA Controls the Motile-Sessile Switch in the Plant Growth-Promoting Bacterium <i>Pantoea alhagi</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	15
13	Siderophore-Mediated Iron Acquisition Enhances Resistance to Oxidative and Aromatic Compound Stress in <i>Cupriavidus necator</i> JMP134. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	30
14	The stringent response factor, RelA, positively regulates T6SS4 expression through the RovM/RovA pathway in <i>Yersinia pseudotuberculosis</i> . <i>Microbiological Research</i> , 2019, 220, 32-41.	5.3	8
15	The Catabolite Repressor/Activator Cra Is a Bridge Connecting Carbon Metabolism and Host Colonization in the Plant Drought Resistance-Promoting Bacterium <i>Pantoea alhagi</i> LTYR-11Z. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	15
16	The <i>Pseudomonas</i> Quinolone Signal (PQS): Not Just for Quorum Sensing Anymore. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 230.	3.9	178
17	RovM and CsrA Negatively Regulate Urease Expression in <i>Yersinia pseudotuberculosis</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 348.	3.5	16
18	Type VI Secretion Systems Present New Insights on Pathogenic <i>Yersinia</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 260.	3.9	33

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19	Complete genome sequence of the drought resistance-promoting endophyte <i>Klebsiella</i> sp. LTGPAF-6F. <i>Journal of Biotechnology</i> , 2017, 246, 36-39.	3.8	17
20	ZntR positively regulates T6SS4 expression in <i>Yersinia pseudotuberculosis</i> . <i>Journal of Microbiology</i> , 2017, 55, 448-456.	2.8	20
21	Manganese scavenging and oxidative stress response mediated by type VI secretion system in <i>Burkholderia thailandensis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2233-E2242.	7.1	185
22	<i>Pantoea alhagi</i> , a novel endophytic bacterium with ability to improve growth and drought tolerance in wheat. <i>Scientific Reports</i> , 2017, 7, 41564.	3.3	129
23	A <i>Pseudomonas</i> T6SS effector recruits PQS-containing outer membrane vesicles for iron acquisition. <i>Nature Communications</i> , 2017, 8, 14888.	12.8	236
24	A starvation-induced regulator, RovM, acts as a switch for planktonic/biofilm state transition in <i>Yersinia pseudotuberculosis</i> . <i>Scientific Reports</i> , 2017, 7, 639.	3.3	28
25	The Type VI Secretion System Engages a Redox-Regulated Dual-Functional Heme Transporter for Zinc Acquisition. <i>Cell Reports</i> , 2017, 20, 949-959.	6.4	107
26	Global transcriptomic analysis of the response of <i>Corynebacterium glutamicum</i> to ferulic acid. <i>Archives of Microbiology</i> , 2017, 199, 325-334.	2.2	16
27	Functional comparison of methionine sulphoxide reductase A and B in <i>Corynebacterium glutamicum</i> . <i>Journal of General and Applied Microbiology</i> , 2017, 63, 280-286.	0.7	5
28	In Vivo Analysis of Protein-Protein Interactions with Bioluminescence Resonance Energy Transfer (BRET): Progress and Prospects. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1704.	4.1	37
29	Zinc acquisition via ZnuABC in <i>Yersinia pseudotuberculosis</i> facilitates resistance to oxidative stress. <i>Annals of Microbiology</i> , 2016, 66, 1189-1197.	2.6	7
30	<i>Rhizobium gei</i> sp. nov., a bacterial endophyte of <i>Geum aleppicum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4282-4288.	1.7	13
31	Global Transcriptomic Analysis of the Response of <i>Corynebacterium glutamicum</i> to Vanillin. <i>PLoS ONE</i> , 2016, 11, e0164955.	2.5	18
32	The dual transcriptional regulator RovM regulates the expression of AR3 and T6SS4-dependent acid survival systems in response to nutritional status in <i>Yersinia pseudotuberculosis</i> . <i>Environmental Microbiology</i> , 2015, 17, 4631-4645.	3.8	24
33	The <i>icmF3</i> locus is involved in multiple adaptation- and virulence-related characteristics in <i>Pseudomonas aeruginosa</i> PAO1. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 70.	3.9	35
34	Biosorption of Cadmium and Manganese Using Free Cells of <i>Klebsiella</i> sp. Isolated from Waste Water. <i>PLoS ONE</i> , 2015, 10, e0140962.	2.5	39
35	Type VI Secretion System Transports Zn <sup>2+</sup> to Combat Multiple Stresses and Host Immunity. <i>PLoS Pathogens</i> , 2015, 11, e1005020.	4.7	169
36	Functional characterization of a mycothiol peroxidase in <i>Corynebacterium glutamicum</i> that uses both mycoredoxin and thioredoxin reducing systems in the response to oxidative stress. <i>Biochemical Journal</i> , 2015, 469, 45-57.	3.7	43

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37	Roles of RpoS in <i>Yersinia pseudotuberculosis</i> stress survival, motility, biofilm formation and type VI secretion system expression. <i>Journal of Microbiology</i> , 2015, 53, 633-642.	2.8	59
38	<i>Rhizobacter bergeniae</i> sp. nov., isolated from the root of <i>Bergenia scopulosa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 479-484.	1.7	19
39	Ohr Protects <i>Corynebacterium glutamicum</i> against Organic Hydroperoxide Induced Oxidative Stress. <i>PLoS ONE</i> , 2015, 10, e0131634.	2.5	28
40	Engineering an Enhanced, Thermostable, Monomeric Bacterial Luciferase Gene As a Reporter in Plant Protoplasts. <i>PLoS ONE</i> , 2014, 9, e107885.	2.5	16
41	Bioluminescence Resonance Energy Transfer System for Measuring Dynamic Protein-Protein Interactions in Bacteria. <i>MBio</i> , 2014, 5, e01050-14.	4.1	8
42	<i>Solirubrobacter phytolaccae</i> sp. nov., an endophytic bacterium isolated from roots of <i>Phytolacca acinosa</i> Roxb.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 858-862.	1.7	23
43	<i>Pseudoxanthomonas gei</i> sp. nov., a novel endophytic bacterium isolated from the stem of <i>Geum alepicum</i> . <i>Antonie Van Leeuwenhoek</i> , 2014, 105, 653-661.	1.7	20
44	<i>FliS</i> modulates <i>FlgM</i> activity by acting as a non-canonical chaperone to control late flagellar gene expression, motility and biofilm formation in <i>Yersinia pseudotuberculosis</i> . <i>Environmental Microbiology</i> , 2014, 16, 1090-1104.	3.8	50
45	<i>Rhizobium smilacinae</i> sp. nov., an endophytic bacterium isolated from the leaf of <i>Smilacina japonica</i> . <i>Antonie Van Leeuwenhoek</i> , 2014, 106, 715-723.	1.7	21
46	<i>Asticcacaulis endophyticus</i> sp. nov., a prosthecate bacterium isolated from the root of <i>Geum alepicum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3964-3969.	1.7	17
47	Enhancing <i>Corynebacterium glutamicum</i> robustness by over-expressing a gene, <i>mshA</i> , for mycothiol glycosyltransferase. <i>Biotechnology Letters</i> , 2014, 36, 1453-1459.	2.2	18
48	NrdH Redoxin Enhances Resistance to Multiple Oxidative Stresses by Acting as a Peroxidase Cofactor in <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 1750-1762.	3.1	43
49	Physiological roles of mycothiol in detoxification and tolerance to multiple poisonous chemicals in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , 2013, 195, 419-429.	2.2	80
50	A type VI secretion system regulated by <i>OmpR</i> in <i>Yersinia pseudotuberculosis</i> functions to maintain intracellular pH homeostasis. <i>Environmental Microbiology</i> , 2013, 15, 557-569.	3.8	99
51	<i>Taibaiella smilacinae</i> gen. nov., sp. nov., an endophytic member of the family Chitinophagaceae isolated from the stem of <i>Smilacina japonica</i> , and emended description of <i>Flaviumibacter petaseus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3769-3776.	1.7	55
52	<i>Pontibacter toksunensis</i> sp. nov., isolated from soil, and emended descriptions of <i>Pontibacter roseus</i> and <i>Pontibacter akesuensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4462-4468.	1.7	19
53	Modulation of a thermoregulated type VI secretion system by AHL-dependent Quorum Sensing in <i>Yersinia pseudotuberculosis</i> . <i>Archives of Microbiology</i> , 2011, 193, 351-63.	2.2	50
54	<i>OmpR</i> positively regulates urease expression to enhance acid survival of <i>Yersinia pseudotuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 2522-2531.	1.8	66

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55	Positive regulation of flhDC expression by OmpR in <i>Yersinia pseudotuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 3622-3631.	1.8	21
56	Functional characterization of FlgM in the regulation of flagellar synthesis and motility in <i>Yersinia pseudotuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 1890-1900.	1.8	20
57	Isolation and identification of canine parvovirus serotype 2a and its VP2 protein expression in transgenic tobacco. <i>Virologica Sinica</i> , 2008, 23, 203-210.	3.0	2
58	Functional interplay between the <i>Yersinia pseudotuberculosis</i> YpsRI and YtbRI quorum sensing systems modulates swimming motility by controlling expression of <i>flhDC</i> and <i>fliA</i> . <i>Molecular Microbiology</i> , 2008, 69, 137-151.	2.5	53
59	Effects of quorum sensing autoinducer degradation gene on virulence and biofilm formation of <i>Pseudomonas aeruginosa</i> . <i>Science in China Series C: Life Sciences</i> , 2007, 50, 385-391.	1.3	29
60	The <i>flhDC</i> gene affects motility and biofilm formation in <i>Yersinia pseudotuberculosis</i> . <i>Science in China Series C: Life Sciences</i> , 2007, 50, 814-821.	1.3	11
61	Transgenic Paulownia Expressing shiva-1 Gene Has Increased Resistance to Paulownia Witches' Broom Disease. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1500-1506.	8.5	19