Xihui Shen

List of Publications by Year
in descending order

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79 papers	3,503 citations	172457 29 h-index	161849 54 g-index
81 all docs	81 docs citations	81 times ranked	3589 citing authors

#	Article	IF	Citations
1	T6SS secretes an LPS-binding effector to recruit OMVs for exploitative competition and horizontal gene transfer. ISME Journal, 2022, 16, 500-510.	9.8	44
2	A c-di-GMP Signaling Cascade Controls Motility, Biofilm Formation, and Virulence in Burkholderia thailandensis. Applied and Environmental Microbiology, 2022, 88, e0252921.	3.1	4
3	Salmonella Induces the cGAS-STING-Dependent Type I Interferon Response in Murine Macrophages by Triggering mtDNA Release. MBio, 2022, 13, .	4.1	10
4	Aerobactin-Mediated Iron Acquisition Enhances Biofilm Formation, Oxidative Stress Resistance, and Virulence of Yersinia pseudotuberculosis. Frontiers in Microbiology, 2021, 12, 699913.	3.5	13
5	The transcriptional regulator Zur regulates the expression of ZnuABC and T6SS4 in response to stresses in Yersinia pseudotuberculosis. Microbiological Research, 2021, 249, 126787.	5.3	15
6	Contact-independent killing mediated by a T6SS effector with intrinsic cell-entry properties. Nature Communications, 2021, 12, 423.	12.8	42
7	T6SS translocates a micropeptide to suppress STING-mediated innate immunity by sequestering manganese. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
8	Roles of Type VI Secretion System in Transport of Metal Ions. Frontiers in Microbiology, 2021, 12, 756136.	3.5	23
9	Beyond dueling: roles of the type VI secretion system in microbiome modulation, pathogenesis and stress resistance. Stress Biology, 2021, 1, 1.	3.1	8
10	Sensing of autoinducer-2 by functionally distinct receptors in prokaryotes. Nature Communications, 2020, 11, 5371.	12.8	86
11	Identification of Robinia pseudoacacia target proteins responsive to Mesorhizobium amphore CCNWGS0123 effector protein NopT. Journal of Experimental Botany, 2020, 71, 7347-7363.	4.8	10
12	HpaR, the Repressor of Aromatic Compound Metabolism, Positively Regulates the Expression of T6SS4 to Resist Oxidative Stress in Yersinia pseudotuberculosis. Frontiers in Microbiology, 2020, 11, 705.	3.5	9
13	Deciphering the Root Endosphere Microbiome of the Desert Plant Alhagi sparsifolia for Drought Resistance-Promoting Bacteria. Applied and Environmental Microbiology, 2020, 86, .	3.1	44
14	Molecular Mechanisms of AhpC in Resistance to Oxidative Stress in Burkholderia thailandensis. Frontiers in Microbiology, 2019, 10, 1483.	3.5	22
15	Confirmed and Potential Roles of Bacterial T6SSs in the Intestinal Ecosystem. Frontiers in Microbiology, 2019, 10, 1484.	3.5	42
16	An Osmoregulatory Mechanism Operating through OmpR and LrhA Controls the Motile-Sessile Switch in the Plant Growth-Promoting Bacterium Pantoea alhagi. Applied and Environmental Microbiology, 2019, 85, .	3.1	15
17	Siderophore-Mediated Iron Acquisition Enhances Resistance to Oxidative and Aromatic Compound Stress in Cupriavidus necator JMP134. Applied and Environmental Microbiology, 2019, 85, .	3.1	30
18	Manipulation of the silkworm immune system by a metalloprotease from the pathogenic bacterium Pseudomonas aeruginosa. Developmental and Comparative Immunology, 2019, 90, 176-185.	2.3	10

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19	Transcriptional control of the phenol hydroxylase gene phe of Corynebacterium glutamicum by the AraC-type regulator PheR. Microbiological Research, 2018, 209, 14-20.	5.3	18
20	The Catabolite Repressor/Activator Cra Is a Bridge Connecting Carbon Metabolism and Host Colonization in the Plant Drought Resistance-Promoting Bacterium Pantoea alhagi LTYR-11Z. Applied and Environmental Microbiology, 2018, 84, .	3.1	15
21	The Pseudomonas Quinolone Signal (PQS): Not Just for Quorum Sensing Anymore. Frontiers in Cellular and Infection Microbiology, 2018, 8, 230.	3.9	178
22	RovM and CsrA Negatively Regulate Urease Expression in Yersinia pseudotuberculosis. Frontiers in Microbiology, 2018, 9, 348.	3.5	16
23	Effectorâ€“Immunity Pairs Provide the T6SS Nanomachine its Offensive and Defensive Capabilities. Molecules, 2018, 23, 1009.	3.8	69
24	Type VI Secretion Systems Present New Insights on Pathogenic Yersinia. Frontiers in Cellular and Infection Microbiology, 2018, 8, 260.	3.9	33
25	Graded Response of the Multifunctional 2-Cysteine Peroxiredoxin, CgPrx, to Increasing Levels of Hydrogen Peroxide in Corynebacterium glutamicum. Antioxidants and Redox Signaling, 2017, 26, 1-14.	5.4	28
26	Complete genome sequence of the drought resistance-promoting endophyte Klebsiella sp. LTGPAF-6F. Journal of Biotechnology, 2017, 246, 36-39.	3.8	17
27	ZntR positively regulates T6SS4 expression in Yersinia pseudotuberculosis. Journal of Microbiology, 2017, 55, 448-456.	2.8	20
28	Manganese scavenging and oxidative stress response mediated by type VI secretion system in Burkholderia thailandensis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2233-E2242.	7.1	185
29	ISCR2 is associated with the dissemination of multiple resistance genes among Vibrio spp. and Pseudoalteromonas spp. isolated from farmed fish. Archives of Microbiology, 2017, 199, 891-896.	2.2	31
30	Pantoea alhagi, a novel endophytic bacterium with ability to improve growth and drought tolerance in wheat. Scientific Reports, 2017, 7, 41564.	3.3	129
31	A Pseudomonas T6SS effector recruits PQS-containing outer membrane vesicles for iron acquisition. Nature Communications, 2017, 8, 14888.	12.8	236
32	A starvation-induced regulator, RovM, acts as a switch for planktonic/biofilm state transition in Yersinia pseudotuberculosis. Scientific Reports, 2017, 7, 639.	3.3	28
33	The Type VI Secretion System Engages a Redox-Regulated Dual-Functional Heme Transporter for Zinc Acquisition. Cell Reports, 2017, 20, 949-959.	6.4	107
34	Global transcriptomic analysis of the response of Corynebacterium glutamicum to ferulic acid. Archives of Microbiology, 2017, 199, 325-334.	2.2	16
35	Functional comparison of methionine sulphoxide reductase A and B in Corynebacterium glutamicum. Journal of General and Applied Microbiology, 2017, 63, 280-286.	0.7	5
36	Paenibacillus qinlingensis sp. nov., an indole-3-acetic acid-producing bacterium isolated from roots of Sinopodophyllum hexandrum (Royle) Ying. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 589-595.	1.7	14

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37	Propioniciclava sinopodophylli sp. nov., isolated from leaves of Sinopodophyllum hexandrum (Royle) Ying. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4111-4115.	1.7	14
38	Mycothiol protects <i>Corynebacterium glutamicum</i> against acid stress via maintaining intracellular pH homeostasis, scavenging ROS, and <i>S</i>-mycothiolating MetE. Journal of General and Applied Microbiology, 2016, 62, 144-153.	0.7	30
39	In Vivo Analysis of Proteinâ€“Protein Interactions with Bioluminescence Resonance Energy Transfer (BRET): Progress and Prospects. International Journal of Molecular Sciences, 2016, 17, 1704.	4.1	37
40	Overexpression of Mycothiol Disulfide Reductase Enhances Corynebacterium glutamicum Robustness by Modulating Cellular Redox Homeostasis and Antioxidant Proteins under Oxidative Stress. Scientific Reports, 2016, 6, 29491.	3.3	32
41	Mycothiol peroxidase MPx protects Corynebacterium glutamicum against acid stress by scavenging ROS. Biotechnology Letters, 2016, 38, 1221-1228.	2.2	10
42	Ficolin-2 binds to HIV-1 gp120 and blocks viral infection. Virologica Sinica, 2016, 31, 406-414.	3.0	12
43	Functional characterization of a csoR-cueA divergon in Bradyrhizobium liaoningense CCNWSX0360, involved in copper, zinc and cadmium cotolerance. Scientific Reports, 2016, 6, 35155.	3.3	12
44	Zinc acquisition via ZnuABC in Yersinia pseudotuberculosis facilitates resistance to oxidative stress. Annals of Microbiology, 2016, 66, 1189-1197.	2.6	7
45	Rhizobium gei sp. nov., a bacterial endophyte of Geum aleppicum. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4282-4288.	1.7	13
46	Paenibacillus sinopodophylli sp. nov., a siderophore-producing endophytic bacterium isolated from roots of Sinopodophyllum hexandrum (Royle) Ying. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4993-4999.	1.7	15
47	Global Transcriptomic Analysis of the Response of Corynebacterium glutamicum to Vanillin. PLoS ONE, 2016, 11, e0164955.	2.5	18
48	The dual transcriptional regulator <scp>RovM</scp> regulates the expression of <scp>AR3</scp>â€•and <scp>T6SS4</scp>â€dependent acid survival systems in response to nutritional status in <scp>Y</scp>ersinia pseudotuberculosis. Environmental Microbiology, 2015, 17, 4631-4645.	3.8	24
49	Molecular characterization of a eukaryotic-like phenol hydroxylase from Corynebacterium glutamicum. Journal of General and Applied Microbiology, 2015, 61, 99-107.	0.7	6
50	Extracellular matrix-associated proteins form an integral and dynamic system during Pseudomonas aeruginosa biofilm development. Frontiers in Cellular and Infection Microbiology, 2015, 5, 40.	3.9	48
51	The icmF3 locus is involved in multiple adaptation- and virulence-related characteristics in Pseudomonas aeruginosa PAO1. Frontiers in Cellular and Infection Microbiology, 2015, 5, 70.	3.9	35
52	Type VI Secretion System Transports Zn2+ to Combat Multiple Stresses and Host Immunity. PLoS Pathogens, 2015, 11, e1005020.	4.7	169
53	Functional characterization of a mycothiol peroxidase in Corynebacterium glutamicum that uses both mycoredoxin and thioredoxin reducing systems in the response to oxidative stress. Biochemical Journal, 2015, 469, 45-57.	3.7	43
54	Corynebacterium glutamicum Methionine Sulfoxide Reductase A Uses both Mycoredoxin and Thioredoxin for Regeneration and Oxidative Stress Resistance. Applied and Environmental Microbiology, 2015, 81, 2781-2796.	3.1	42

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55	Sphingomonas gei sp. nov., isolated from roots of Geum aleppicum. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1160-1166.	1.7	24
56	Sphingobium endophyticus sp. nov., isolated from the root of Hylomecon japonica. Antonie Van Leeuwenhoek, 2015, 107, 1001-1008.	1.7	16
57	Functional characterization of a vanillin dehydrogenase in Corynebacterium glutamicum. Scientific Reports, 2015, 5, 8044.	3.3	39
58	Roles of RpoS in Yersinia pseudotuberculosis stress survival, motility, biofilm formation and type VI secretion system expression. Journal of Microbiology, 2015, 53, 633-642.	2.8	59
59	Rhizobacter bergeniae sp. nov., isolated from the root of Bergenia scopulosa. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 479-484.	1.7	19
60	Sphingomonas hylomeconis sp. nov., isolated from the stem of Hylomecon japonica. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 4025-4031.	1.7	13
61	Ohr Protects Corynebacterium glutamicum against Organic Hydroperoxide Induced Oxidative Stress. PLoS ONE, 2015, 10, e0131634.	2.5	28
62	Engineering an Enhanced, Thermostable, Monomeric Bacterial Luciferase Gene As a Reporter in Plant Protoplasts. PLoS ONE, 2014, 9, e107885.	2.5	16
63	Functional Characterization of Corynebacterium glutamicum Mycothiol S-Conjugate Amidase. PLoS ONE, 2014, 9, e115075.	2.5	19
64	Bioluminescence Resonance Energy Transfer System for Measuring Dynamic Protein-Protein Interactions in Bacteria. MBio, 2014, 5, e01050-14.	4.1	8
65	Solirubrobacter phytolaccae sp. nov., an endophytic bacterium isolated from roots of Phytolacca acinosa Roxb.. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 858-862.	1.7	23
66	Pseudoxanthomonas gei sp. nov., a novel endophytic bacterium isolated from the stem of Geum aleppicum. Antonie Van Leeuwenhoek, 2014, 105, 653-661.	1.7	20
67	<scp>FliS</scp> modulates <scp>FlgM</scp> activity by acting as a nonâ€canonical chaperone to control late flagellar gene expression, motility and biofilm formation in <scp>Y</scp>ersinia pseudotuberculosis. Environmental Microbiology, 2014, 16, 1090-1104.	3.8	50
68	Rhizobium smilacinae sp. nov., an endophytic bacterium isolated from the leaf of Smilacina japonica. Antonie Van Leeuwenhoek, 2014, 106, 715-723.	1.7	21
69	Asticcacaulis endophyticus sp. nov., a prosthecate bacterium isolated from the root of Geum aleppicum. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3964-3969.	1.7	17
70	Solirubrobacter taibaiensis sp. nov., isolated from a stem of Phytolacca acinosa Roxb.. Antonie Van Leeuwenhoek, 2014, 106, 279-285.	1.7	13
71	Nafulsella turpanensis gen. nov., sp. nov., a member of the phylum Bacteroidetes isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1639-1645.	1.7	18
72	A type <scp>VI</scp> secretion system regulated by <scp>OmpR</scp> in <scp>Y</scp>ersinia pseudotuberculosis functions to maintain intracellular <scp>pH</scp> homeostasis. Environmental Microbiology, 2013, 15, 557-569.	3.8	99

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73	Taibaiella smilacinae gen. nov., sp. nov., an endophytic member of the family Chitinophagaceae isolated from the stem of Smilacina japonica, and emended description of Flavihumibacter petaseus. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3769-3776.	1.7	55
74	Pontibacter toksunensis sp. nov., isolated from soil, and emended descriptions of Pontibacter roseus and Pontibacter akesuensis. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4462-4468.	1.7	19
75	Modulation of a thermoregulated type VI secretion system by AHL-dependent Quorum Sensing in Yersinia pseudotuberculosis. Archives of Microbiology, 2011, 193, 351-63.	2.2	50
76	Secreted Bacterial Effectors That Inhibit Host Protein Synthesis Are Critical for Induction of the Innate Immune Response to Virulent Legionella pneumophila. PLoS Pathogens, 2011, 7, e1001289.	4.7	187
77	Inhibition of Host Vacuolar H+-ATPase Activity by a Legionella pneumophila Effector. PLoS Pathogens, 2010, 6, e1000822.	4.7	197
78	Targeting eEF1A by aLegionella pneumophilaeffector leads to inhibition of protein synthesis and induction of host stress response. Cellular Microbiology, 2009, 11, 911-926.	2.1	128
79	Legionella pneumophila inhibits macrophage apoptosis by targeting pro-death members of the Bcl2 protein family. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5121-5126.	7.1	198