

Xihui Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/893831/publications.pdf>

Version: 2024-02-01

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	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
2	<i>Legionella pneumophila</i> inhibits macrophage apoptosis by targeting pro-death members of the Bcl2 protein family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5121-5126.	7.1	198
3	Inhibition of Host Vacuolar H ⁺ -ATPase Activity by a <i>Legionella pneumophila</i> Effector. <i>PLoS Pathogens</i> , 2010, 6, e1000822.	4.7	197
4	Secreted Bacterial Effectors That Inhibit Host Protein Synthesis Are Critical for Induction of the Innate Immune Response to Virulent <i>Legionella pneumophila</i> . <i>PLoS Pathogens</i> , 2011, 7, e1001289.	4.7	187
5	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
6	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
7	Type VI Secretion System Transports Zn ²⁺ to Combat Multiple Stresses and Host Immunity. <i>PLoS Pathogens</i> , 2015, 11, e1005020.	4.7	169
8	<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
9	Targeting eEF1A by a <i>Legionella pneumophila</i> effector leads to inhibition of protein synthesis and induction of host stress response. <i>Cellular Microbiology</i> , 2009, 11, 911-926.	2.1	128
10	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
11	A type VI secretion system regulated by OmpR in <i>Yersinia pseudotuberculosis</i> functions to maintain intracellular pH homeostasis. <i>Environmental Microbiology</i> , 2013, 15, 557-569.	3.8	99
12	Sensing of autoinducer-2 by functionally distinct receptors in prokaryotes. <i>Nature Communications</i> , 2020, 11, 5371.	12.8	86
13	Effector-Immunity Pairs Provide the T6SS Nanomachine its Offensive and Defensive Capabilities. <i>Molecules</i> , 2018, 23, 1009.	3.8	69
14	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
15	<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>Flaviumicrobium petaseus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3769-3776.	1.7	55
16	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
17	FliS modulates FlgM 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
18	Extracellular matrix-associated proteins form an integral and dynamic system during <i>Pseudomonas aeruginosa</i> biofilm development. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 40.	3.9	48

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	<i>Corynebacterium glutamicum</i> Methionine Sulfoxide Reductase A Uses both Mycoredoxin and Thioredoxin for Regeneration and Oxidative Stress Resistance. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2781-2796.	3.1	42
23	Confirmed and Potential Roles of Bacterial T6SSs in the Intestinal Ecosystem. <i>Frontiers in Microbiology</i> , 2019, 10, 1484.	3.5	42
24	Contact-independent killing mediated by a T6SS effector with intrinsic cell-entry properties. <i>Nature Communications</i> , 2021, 12, 423.	12.8	42
25	Functional characterization of a vanillin dehydrogenase in <i>Corynebacterium glutamicum</i> . <i>Scientific Reports</i> , 2015, 5, 8044.	3.3	39
26	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
27	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
28	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
29	Overexpression of Mycothiol Disulfide Reductase Enhances <i>Corynebacterium glutamicum</i> Robustness by Modulating Cellular Redox Homeostasis and Antioxidant Proteins under Oxidative Stress. <i>Scientific Reports</i> , 2016, 6, 29491.	3.3	32
30	ISCR2 is associated with the dissemination of multiple resistance genes among <i>Vibrio</i> spp. and <i>Pseudoalteromonas</i> spp. isolated from farmed fish. <i>Archives of Microbiology</i> , 2017, 199, 891-896.	2.2	31
31	Mycothiol protects <i>Corynebacterium glutamicum</i> against acid stress via maintaining intracellular pH homeostasis, scavenging ROS, and mycothiolating MetE. <i>Journal of General and Applied Microbiology</i> , 2016, 62, 144-153.	0.7	30
32	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
33	Graded Response of the Multifunctional 2-Cysteine Peroxiredoxin, CgPrx, to Increasing Levels of Hydrogen Peroxide in <i>Corynebacterium glutamicum</i> . <i>Antioxidants and Redox Signaling</i> , 2017, 26, 1-14.	5.4	28
34	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
35	Ohr Protects <i>Corynebacterium glutamicum</i> against Organic Hydroperoxide Induced Oxidative Stress. <i>PLoS ONE</i> , 2015, 10, e0131634.	2.5	28
36	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

#	ARTICLE	IF	CITATIONS
37	The dual transcriptional regulator <i>RovM</i> regulates the expression of <i>AR3</i> and <i>T6SS4</i> -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
38	<i>Shingomonas gei</i> sp. nov., isolated from roots of <i>Geum aleppicum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1160-1166.	1.7	24
39	<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
40	Roles of Type VI Secretion System in Transport of Metal Ions. <i>Frontiers in Microbiology</i> , 2021, 12, 756136.	3.5	23
41	Molecular Mechanisms of <i>AhpC</i> in Resistance to Oxidative Stress in <i>Burkholderia thailandensis</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1483.	3.5	22
42	<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
43	<i>Pseudoxanthomonas gei</i> sp. nov., a novel endophytic bacterium isolated from the stem of <i>Geum aleppicum</i> . <i>Antonie Van Leeuwenhoek</i> , 2014, 105, 653-661.	1.7	20
44	<i>ZntR</i> positively regulates <i>T6SS4</i> expression in <i>Yersinia pseudotuberculosis</i> . <i>Journal of Microbiology</i> , 2017, 55, 448-456.	2.8	20
45	<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
46	Functional Characterization of <i>Corynebacterium glutamicum</i> Mycothiol S-Conjugate Amidase. <i>PLoS ONE</i> , 2014, 9, e115075.	2.5	19
47	<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
48	<i>Nafulsella turpanensis</i> gen. nov., sp. nov., a member of the phylum Bacteroidetes isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1639-1645.	1.7	18
49	Transcriptional control of the phenol hydroxylase gene <i>phe</i> of <i>Corynebacterium glutamicum</i> by the <i>AraC</i> -type regulator <i>PheR</i> . <i>Microbiological Research</i> , 2018, 209, 14-20.	5.3	18
50	Global Transcriptomic Analysis of the Response of <i>Corynebacterium glutamicum</i> to Vanillin. <i>PLoS ONE</i> , 2016, 11, e0164955.	2.5	18
51	<i>Asticcacaulis endophyticus</i> sp. nov., a prosthecate bacterium isolated from the root of <i>Geum aleppicum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3964-3969.	1.7	17
52	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
53	Engineering an Enhanced, Thermostable, Monomeric Bacterial Luciferase Gene As a Reporter in Plant Protoplasts. <i>PLoS ONE</i> , 2014, 9, e107885.	2.5	16
54	<i>Sphingobium endophyticus</i> sp. nov., isolated from the root of <i>Hylomecon japonica</i> . <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 1001-1008.	1.7	16

#	ARTICLE	IF	CITATIONS
55	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
56	RovM and CsrA Negatively Regulate Urease Expression in <i>Yersinia pseudotuberculosis</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 348.	3.5	16
57	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
58	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
59	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
60	<i>Paenibacillus sinopodophylli</i> sp. nov., a siderophore-producing endophytic bacterium isolated from roots of <i>Sinopodophyllum hexandrum</i> (Royle) Ying. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4993-4999.	1.7	15
61	<i>Paenibacillus qinlingensis</i> sp. nov., an indole-3-acetic acid-producing bacterium isolated from roots of <i>Sinopodophyllum hexandrum</i> (Royle) Ying. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 589-595.	1.7	14
62	<i>Propioniciclava sinopodophylli</i> sp. nov., isolated from leaves of <i>Sinopodophyllum hexandrum</i> (Royle) Ying. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4111-4115.	1.7	14
63	<i>Solirubrobacter taibaiensis</i> sp. nov., isolated from a stem of <i>Phytolacca acinosa</i> Roxb.. <i>Antonie Van Leeuwenhoek</i> , 2014, 106, 279-285.	1.7	13
64	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
65	<i>Sphingomonas hylomeconis</i> sp. nov., isolated from the stem of <i>Hylomecon japonica</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4025-4031.	1.7	13
66	<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
67	Ficolin-2 binds to HIV-1 gp120 and blocks viral infection. <i>Virologica Sinica</i> , 2016, 31, 406-414.	3.0	12
68	Functional characterization of a <i>csoR-cueA</i> divergon in <i>Bradyrhizobium liaoningense</i> CCNWSX0360, involved in copper, zinc and cadmium cotolerance. <i>Scientific Reports</i> , 2016, 6, 35155.	3.3	12
69	Mycothiol peroxidase MPx protects <i>Corynebacterium glutamicum</i> against acid stress by scavenging ROS. <i>Biotechnology Letters</i> , 2016, 38, 1221-1228.	2.2	10
70	Manipulation of the silkworm immune system by a metalloprotease from the pathogenic bacterium <i>Pseudomonas aeruginosa</i> . <i>Developmental and Comparative Immunology</i> , 2019, 90, 176-185.	2.3	10
71	Identification of <i>Robinia pseudoacacia</i> target proteins responsive to <i>Mesorhizobium amphore</i> CCNWGS0123 effector protein NopT. <i>Journal of Experimental Botany</i> , 2020, 71, 7347-7363.	4.8	10
72	<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

#	ARTICLE	IF	CITATIONS
73	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
74	Bioluminescence Resonance Energy Transfer System for Measuring Dynamic Protein-Protein Interactions in Bacteria. <i>MBio</i> , 2014, 5, e01050-14.	4.1	8
75	Beyond dueling: roles of the type VI secretion system in microbiome modulation, pathogenesis and stress resistance. <i>Stress Biology</i> , 2021, 1, 1.	3.1	8
76	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
77	Molecular characterization of a eukaryotic-like phenol hydroxylase from <i>Corynebacterium glutamicum</i> . <i>Journal of General and Applied Microbiology</i> , 2015, 61, 99-107.	0.7	6
78	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
79	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