

Zhenyu Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

5,395
citations

270111

25
h-index

263392

45
g-index

48
all docs

48
docs citations

48
times ranked

7636
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic resistance in <i>Pseudomonas aeruginosa</i> : mechanisms and alternative therapeutic strategies. <i>Biotechnology Advances</i> , 2019, 37, 177-192.	6.0	1,108
2	Promotion of plant growth by ACC deaminase-producing soil bacteria. <i>European Journal of Plant Pathology</i> , 2007, 119, 329-339.	0.8	748
3	Promotion of Plant Growth by Bacterial ACC Deaminase. <i>Critical Reviews in Plant Sciences</i> , 2007, 26, 227-242.	2.7	742
4	The Apoplastic Oxidative Burst Peroxidase in <i>Arabidopsis</i> Is a Major Component of Pattern-Triggered Immunity. <i>Plant Cell</i> , 2012, 24, 275-287.	3.1	547
5	1-Aminocyclopropane-1-carboxylate deaminase from <i>Pseudomonas putida</i> UW4 facilitates the growth of canola in the presence of salt. <i>Canadian Journal of Microbiology</i> , 2007, 53, 912-918.	0.8	325
6	Pathogen-secreted proteases activate a novel plant immune pathway. <i>Nature</i> , 2015, 521, 213-216.	13.7	183
7	The presence of a 1-aminocyclopropane-1-carboxylate (ACC) deaminase deletion mutation alters the physiology of the endophytic plant growth-promoting bacterium <i>Burkholderia phytofirmans</i> PsJN. <i>FEMS Microbiology Letters</i> , 2009, 296, 131-136.	0.7	182
8	Plant immunity triggered by engineered in vivo release of oligogalacturonides, damage-associated molecular patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5533-5538.	3.3	179
9	The Complete Genome Sequence of the Plant Growth-Promoting Bacterium <i>Pseudomonas</i> sp. UW4. <i>PLoS ONE</i> , 2013, 8, e58640.	1.1	144
10	Promotion of plant growth by ACC deaminase-producing soil bacteria. , 2007, , 329-339.		125
11	Combined effects of the plant growth-promoting bacterium <i>Pseudomonas putida</i> UW4 and salinity stress on the <i>Brassica napus</i> proteome. <i>Applied Soil Ecology</i> , 2012, 61, 255-263.	2.1	112
12	Harnessing the plant microbiome to promote the growth of agricultural crops. <i>Microbiological Research</i> , 2021, 245, 126690.	2.5	84
13	Jasmonate signalling in <i>Arabidopsis</i> involves SGT1-HSP70-HSP90 chaperone complexes. <i>Nature Plants</i> , 2015, 1, .	4.7	78
14	Proteomic studies of plant-bacterial interactions. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1673-1684.	4.2	64
15	Identification of plant growth-promoting bacteria-responsive proteins in cucumber roots under hypoxic stress using a proteomic approach. <i>Journal of Proteomics</i> , 2013, 84, 119-131.	1.2	62
16	Apoplastic peroxidases are required for salicylic acid-mediated defense against <i>Pseudomonas syringae</i> . <i>Phytochemistry</i> , 2015, 112, 110-121.	1.4	60
17	Seaweed Extract (Stella Maris®) Activates Innate Immune Responses in <i>Arabidopsis thaliana</i> and Protects Host against Bacterial Pathogens. <i>Marine Drugs</i> , 2018, 16, 221.	2.2	59
18	Carvacrol exhibits rapid bactericidal activity against <i>Streptococcus pyogenes</i> through cell membrane damage. <i>Scientific Reports</i> , 2021, 11, 1487.	1.6	54

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19	Apoptosis induction by eIF5A1 involves activation of the intrinsic mitochondrial pathway. <i>Journal of Cellular Physiology</i> , 2010, 223, 798-809.	2.0	50
20	Polysome Profiling Analysis of mRNA and Associated Proteins Engaged in Translation. <i>Current Protocols in Molecular Biology</i> , 2019, 125, e79.	2.9	49
21	Proteomic analysis of the response of the plant growth-promoting bacterium <i>Pseudomonas putida</i> UW4 to nickel stress. <i>Proteome Science</i> , 2009, 7, 18.	0.7	38
22	Thrombospondin-1 protects against pathogen-induced lung injury by limiting extracellular matrix proteolysis. <i>JCI Insight</i> , 2018, 3, .	2.3	36
23	Transcriptional regulation of ACC deaminase gene expression in <i>Pseudomonas putida</i> UW4. <i>Canadian Journal of Microbiology</i> , 2008, 54, 128-136.	0.8	35
24	Identification of Bacterial Proteins Mediating the Interactions Between <i>Pseudomonas putida</i> UW4 and <i>Brassica napus</i> (Canola). <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 686-694.	1.4	35
25	The <i>Pseudomonas aeruginosa</i> accessory genome elements influence virulence towards <i>Caenorhabditis elegans</i> . <i>Genome Biology</i> , 2019, 20, 270.	3.8	33
26	High-throughput screen reveals sRNAs regulating crRNA biogenesis by targeting CRISPR leader to repress Rho termination. <i>Nature Communications</i> , 2019, 10, 3728.	5.8	30
27	Marine Bacteria, A Source for Alginate Lyase to Disrupt <i>Pseudomonas aeruginosa</i> Biofilms. <i>Marine Drugs</i> , 2019, 17, 307.	2.2	29
28	Disruption of the extracellular polymeric network of <i>Pseudomonas aeruginosa</i> biofilms by alginate lyase enhances pathogen eradication by antibiotics. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 264-270.	0.3	24
29	Taxonomic differences of gut microbiomes drive cellulolytic enzymatic potential within hind-gut fermenting mammals. <i>PLoS ONE</i> , 2017, 12, e0189404.	1.1	22
30	Regulator of calcineurin 1 differentially regulates TLR-dependent MyD88 and TRIF signaling pathways. <i>PLoS ONE</i> , 2018, 13, e0197491.	1.1	21
31	Early Growth Response 1 Deficiency Protects the Host against <i>Pseudomonas aeruginosa</i> Lung Infection. <i>Infection and Immunity</i> , 2019, 88, .	1.0	20
32	Platelets inhibit apoptotic lung epithelial cell death and protect mice against infection-induced lung injury. <i>Blood Advances</i> , 2019, 3, 432-445.	2.5	19
33	Structural motif screening reveals a novel, conserved carbohydrate-binding surface in the pathogenesis-related protein PR-5d. <i>BMC Structural Biology</i> , 2010, 10, 23.	2.3	15
34	IL-17R deletion predicts high-grade colorectal cancer and poor clinical outcomes. <i>International Journal of Cancer</i> , 2019, 145, 548-558.	2.3	12
35	Characterization of Plant-Bacterial Interactions Using Proteomic Approaches. <i>Current Proteomics</i> , 2010, 7, 244-257.	0.1	11
36	Mice Lacking $\gamma\delta$ T Cells Exhibit Impaired Clearance of <i>Pseudomonas aeruginosa</i> Lung Infection and Excessive Production of Inflammatory Cytokines. <i>Infection and Immunity</i> , 2020, 88, .	1.0	11

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37	Proteome reference map for the plant growth-promoting bacterium <i>Pseudomonas putida</i> UW4. <i>Proteomics</i> , 2009, 9, 4271-4274.	1.3	8
38	Characterizations of the viability and gene expression of dispersal cells from <i>Pseudomonas aeruginosa</i> biofilms released by alginate lyase and tobramycin. <i>PLoS ONE</i> , 2021, 16, e0258950.	1.1	7
39	A <i>Pseudomonas aeruginosa</i> -secreted protease modulates host intrinsic immune responses, but how?. <i>BioEssays</i> , 2016, 38, 1084-1092.	1.2	6
40	The calcineurin-NFAT axis contributes to host defense during <i>Pseudomonas aeruginosa</i> lung infection. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1461-1469.	1.5	6
41	Transcriptomic profiling of <i>Brassica napus</i> responses to <i>Pseudomonas aeruginosa</i> . <i>Innate Immunity</i> , 2021, 27, 143-157.	1.1	6
42	Carvacrol Suppresses Inflammatory Biomarkers Production by Lipoteichoic Acid- and Peptidoglycan-Stimulated Human Tonsil Epithelial Cells. <i>Nutrients</i> , 2022, 14, 503.	1.7	5
43	Non-Canonical Host Intracellular Niche Links to New Antimicrobial Resistance Mechanism. <i>Pathogens</i> , 2022, 11, 220.	1.2	4
44	ABCDs of the Relative Contributions of <i>Pseudomonas aeruginosa</i> Quorum Sensing Systems to Virulence in Diverse Nonvertebrate Hosts. <i>MBio</i> , 2022, 13, e0041722.	1.8	3
45	Investigating the Role of Protein UnkG from the <i>Pseudomonas putida</i> UW4 in the Ability of the Bacterium to Facilitate Plant Growth. <i>Current Microbiology</i> , 2013, 66, 331-336.	1.0	2
46	Droplet Digital PCR-Based Detection and Quantification of GyrA Thr-86-Ile Mutation Based Fluoroquinolone-Resistant <i>Campylobacter jejuni</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0276921.	1.2	2
47	Discrimination of Insoluble-Carbohydrate Binding Proteins and Their Binding Sites Using a 3D Motif Detection Method. , 2008, , .		0