Zhenyu Cheng

List of Publications by Year
in descending order

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		236925	233421
47	5,395	25	45
papers	citations	h-index	g-index

48	48	48	6929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibiotic resistance in Pseudomonas aeruginosa: mechanisms and alternative therapeutic strategies. Biotechnology Advances, 2019, 37, 177-192.	11.7	1,108
2	Promotion of plant growth by ACC deaminase-producing soil bacteria. European Journal of Plant Pathology, 2007, 119, 329-339.	1.7	748
3	Promotion of Plant Growth by Bacterial ACC Deaminase. Critical Reviews in Plant Sciences, 2007, 26, 227-242.	5.7	742
4	The Apoplastic Oxidative Burst Peroxidase in Arabidopsis Is a Major Component of Pattern-Triggered Immunity Â. Plant Cell, 2012, 24, 275-287.	6.6	547
5	1-Aminocyclopropane-1-carboxylate deaminase from Pseudomonas putida UW4 facilitates the growth of canola in the presence of salt. Canadian Journal of Microbiology, 2007, 53, 912-918.	1.7	325
6	Pathogen-secreted proteases activate a novel plant immune pathway. Nature, 2015, 521, 213-216.	27.8	183
7	The presence of a 1-aminocyclopropane-1-carboxylate (ACC) deaminase deletion mutation alters the physiology of the endophytic plant growth-promoting bacteriumBurkholderia phytofirmansPsJN. FEMS Microbiology Letters, 2009, 296, 131-136.	1.8	182
8	Plant immunity triggered by engineered in vivo release of oligogalacturonides, damage-associated molecular patterns. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5533-5538.	7.1	179
9	The Complete Genome Sequence of the Plant Growth-Promoting Bacterium Pseudomonas sp. UW4. PLoS ONE, 2013, 8, e58640.	2.5	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 Pseudomonas putida UW4 and salinity stress on the Brassica napus proteome. Applied Soil Ecology, 2012, 61, 255-263.	4.3	112
12	Harnessing the plant microbiome to promote the growth of agricultural crops. Microbiological Research, 2021, 245, 126690.	5.3	84
13	Jasmonate signalling in Arabidopsis involves SGT1bâ€“HSP70â€“HSP90 chaperone complexes. Nature Plants, 2015, 1, .	9.3	78
14	Proteomic studies of plantâ€“bacterial interactions. Soil Biology and Biochemistry, 2010, 42, 1673-1684.	8.8	64
15	Identification of plant growth-promoting bacteria-responsive proteins in cucumber roots under hypoxic stress using a proteomic approach. Journal of Proteomics, 2013, 84, 119-131.	2.4	62
16	Apoplastic peroxidases are required for salicylic acid-mediated defense against Pseudomonas syringae. Phytochemistry, 2015, 112, 110-121.	2.9	60
17	Seaweed Extract (Stella MarisÂ®) Activates Innate Immune Responses in Arabidopsis thaliana and Protects Host against Bacterial Pathogens. Marine Drugs, 2018, 16, 221.	4.6	59
18	Carvacrol exhibits rapid bactericidal activity against Streptococcus pyogenes through cell membrane damage. Scientific Reports, 2021, 11, 1487.	3.3	54

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19	Apoptosis induction by eIF5A1 involves activation of the intrinsic mitochondrial pathway. Journal of Cellular Physiology, 2010, 223, 798-809.	4.1	50
20	Polysome Profiling Analysis of mRNA and Associated Proteins Engaged in Translation. Current Protocols in Molecular Biology, 2019, 125, e79.	2.9	49
21	Proteomic analysis of the response of the plant growth-promoting bacterium Pseudomonas putida UW4 to nickel stress. Proteome Science, 2009, 7, 18.	1.7	38
22	Thrombospondin-1 protects against pathogen-induced lung injury by limiting extracellular matrix proteolysis. JCI Insight, 2018, 3, .	5.0	36
23	Transcriptional regulation of ACC deaminase gene expression inPseudomonas putidaUW4. Canadian Journal of Microbiology, 2008, 54, 128-136.	1.7	35
24	Identification of Bacterial Proteins Mediating the Interactions Between Pseudomonas putida UW4 and Brassica napus (Canola). Molecular Plant-Microbe Interactions, 2009, 22, 686-694.	2.6	35
25	The Pseudomonas aeruginosa accessory genome elements influence virulence towards Caenorhabditis elegans. Genome Biology, 2019, 20, 270.	8.8	33
26	High-throughput screen reveals sRNAs regulating crRNA biogenesis by targeting CRISPR leader to repress Rho termination. Nature Communications, 2019, 10, 3728.	12.8	30
27	Marine Bacteria, A Source for Alginolytic Enzyme to Disrupt Pseudomonas aeruginosa Biofilms. Marine Drugs, 2019, 17, 307.	4.6	29
28	Disruption of the extracellular polymeric network of Pseudomonas aeruginosa biofilms by alginate lyase enhances pathogen eradication by antibiotics. Journal of Cystic Fibrosis, 2021, 20, 264-270.	0.7	24
29	Taxonomic differences of gut microbiomes drive cellulolytic enzymatic potential within hind-gut fermenting mammals. PLoS ONE, 2017, 12, e0189404.	2.5	22
30	Regulator of calcineurin 1 differentially regulates TLR-dependent MyD88 and TRIF signaling pathways. PLoS ONE, 2018, 13, e0197491.	2.5	21
31	Early Growth Response 1 Deficiency Protects the Host against Pseudomonas aeruginosa Lung Infection. Infection and Immunity, 2019, 88, .	2.2	20
32	Platelets inhibit apoptotic lung epithelial cell death and protect mice against infection-induced lung injury. Blood Advances, 2019, 3, 432-445.	5.2	19
33	Structural motif screening reveals a novel, conserved carbohydrate-binding surface in the pathogenesis-related protein PR-5d. BMC Structural Biology, 2010, 10, 23.	2.3	15
34	ILâ€17R deletion predicts highâ€grade colorectal cancer and poor clinical outcomes. International Journal of Cancer, 2019, 145, 548-558.	5.1	12
35	Characterization of Plant-Bacterial Interactions Using Proteomic Approaches. Current Proteomics, 2010, 7, 244-257.	0.3	11
36	Mice Lacking Î³Î´ T Cells Exhibit Impaired Clearance of Pseudomonas aeruginosa Lung Infection and Excessive Production of Inflammatory Cytokines. Infection and Immunity, 2020, 88, .	2.2	11

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37	Proteome reference map for the plant growthâ€promoting bacterium Pseudomonas putida UW4. Proteomics, 2009, 9, 4271-4274.	2.2	8
38	Characterizations of the viability and gene expression of dispersal cells from Pseudomonas aeruginosa biofilms released by alginate lyase and tobramycin. PLoS ONE, 2021, 16, e0258950.	2.5	7
39	A Pseudomonas aeruginosaâ€secreted protease modulates host intrinsic immune responses, but how?. BioEssays, 2016, 38, 1084-1092.	2.5	6
40	The calcineurin-NFAT axis contributes to host defense during Pseudomonas aeruginosa lung infection. Journal of Leukocyte Biology, 2017, 102, 1461-1469.	3.3	6
41	Transcriptomic profiling of Brassica napus responses to Pseudomonas aeruginosa. Innate Immunity, 2021, 27, 143-157.	2.4	6
42	Carvacrol Suppresses Inflammatory Biomarkers Production by Lipoteichoic Acid- and Peptidoglycan-Stimulated Human Tonsil Epithelial Cells. Nutrients, 2022, 14, 503.	4.1	5
43	Non-Canonical Host Intracellular Niche Links to New Antimicrobial Resistance Mechanism. Pathogens, 2022, 11, 220.	2.8	4
44	ABCDs of the Relative Contributions of Pseudomonas aeruginosa Quorum Sensing Systems to Virulence in Diverse Nonvertebrate Hosts. MBio, 2022, 13, e0041722.	4.1	3
45	Investigating the Role of Protein UnkG from the Pseudomonas putida UW4 in the Ability of the Bacterium to Facilitate Plant Growth. Current Microbiology, 2013, 66, 331-336.	2.2	2
46	Droplet Digital PCR-Based Detection and Quantification of GyrA Thr-86-Ile Mutation Based Fluoroquinolone-Resistant Campylobacter jejuni. Microbiology Spectrum, 2022, 10, e0276921.	3.0	2
47	Discrimination of Insoluble-Carbohydrate Binding Proteins and Their Binding Sites Using a 3D Motif Detection Method. , 2008, , .		0