Zhenyu Cheng

List of Publications by Year
in descending order

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	Carvacrol Suppresses Inflammatory Biomarkers Production by Lipoteichoic Acid- and Peptidoglycan-Stimulated Human Tonsil Epithelial Cells. Nutrients, 2022, 14, 503.	1.7	5
2	Non-Canonical Host Intracellular Niche Links to New Antimicrobial Resistance Mechanism. Pathogens, 2022, 11, 220.	1.2	4
3	ABCDs of the Relative Contributions of Pseudomonas aeruginosa Quorum Sensing Systems to Virulence in Diverse Nonvertebrate Hosts. MBio, 2022, 13, e0041722.	1.8	3
4	Droplet Digital PCR-Based Detection and Quantification of GyrA Thr-86-Ile Mutation Based Fluoroquinolone-Resistant Campylobacter jejuni. Microbiology Spectrum, 2022, 10, e0276921.	1.2	2
5	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.	0.3	24
6	Carvacrol exhibits rapid bactericidal activity against Streptococcus pyogenes through cell membrane damage. Scientific Reports, 2021, 11, 1487.	1.6	54
7	Harnessing the plant microbiome to promote the growth of agricultural crops. Microbiological Research, 2021, 245, 126690.	2.5	84
8	Transcriptomic profiling of <i>Brassica napus</i> responses to <i>Pseudomonas aeruginosa</i>. Innate Immunity, 2021, 27, 143-157.	1.1	6
9	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.	1.1	7
10	Mice Lacking Î³Î´ T Cells Exhibit Impaired Clearance of Pseudomonas aeruginosa Lung Infection and Excessive Production of Inflammatory Cytokines. Infection and Immunity, 2020, 88, .	1.0	11
11	High-throughput screen reveals sRNAs regulating crRNA biogenesis by targeting CRISPR leader to repress Rho termination. Nature Communications, 2019, 10, 3728.	5.8	30
12	ILâ€•17R deletion predicts highâ€•grade colorectal cancer and poor clinical outcomes. International Journal of Cancer, 2019, 145, 548-558.	2.3	12
13	Marine Bacteria, A Source for Alginolytic Enzyme to Disrupt Pseudomonas aeruginosa Biofilms. Marine Drugs, 2019, 17, 307.	2.2	29
14	Platelets inhibit apoptotic lung epithelial cell death and protect mice against infection-induced lung injury. Blood Advances, 2019, 3, 432-445.	2.5	19
15	Early Growth Response 1 Deficiency Protects the Host against Pseudomonas aeruginosa Lung Infection. Infection and Immunity, 2019, 88, .	1.0	20
16	The Pseudomonas aeruginosa accessory genome elements influence virulence towards Caenorhabditis elegans. Genome Biology, 2019, 20, 270.	3.8	33
17	Polysome Profiling Analysis of mRNA and Associated Proteins Engaged in Translation. Current Protocols in Molecular Biology, 2019, 125, e79.	2.9	49
18	Antibiotic resistance in Pseudomonas aeruginosa: mechanisms and alternative therapeutic strategies. Biotechnology Advances, 2019, 37, 177-192.	6.0	1,108

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19	Regulator of calcineurin 1 differentially regulates TLR-dependent MyD88 and TRIF signaling pathways. PLoS ONE, 2018, 13, e0197491.	1.1	21
20	Seaweed Extract (Stella MarisÂ®) Activates Innate Immune Responses in Arabidopsis thaliana and Protects Host against Bacterial Pathogens. Marine Drugs, 2018, 16, 221.	2.2	59
21	Thrombospondin-1 protects against pathogen-induced lung injury by limiting extracellular matrix proteolysis. JCI Insight, 2018, 3, .	2.3	36
22	The calcineurin-NFAT axis contributes to host defense during <i>Pseudomonas aeruginosa</i> lung infection. Journal of Leukocyte Biology, 2017, 102, 1461-1469.	1.5	6
23	Taxonomic differences of gut microbiomes drive cellulolytic enzymatic potential within hind-gut fermenting mammals. PLoS ONE, 2017, 12, e0189404.	1.1	22
24	A <i>Pseudomonas aeruginosa</i>â€secreted protease modulates host intrinsic immune responses, but how?. BioEssays, 2016, 38, 1084-1092.	1.2	6
25	Jasmonate signalling in Arabidopsis involves SGT1bâ€“HSP70â€“HSP90 chaperone complexes. Nature Plants, 2015, 1, .	4.7	78
26	Pathogen-secreted proteases activate a novel plant immune pathway. Nature, 2015, 521, 213-216.	13.7	183
27	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.	3.3	179
28	Apoplastic peroxidases are required for salicylic acid-mediated defense against Pseudomonas syringae. Phytochemistry, 2015, 112, 110-121.	1.4	60
29	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.	1.0	2
30	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.	1.2	62
31	The Complete Genome Sequence of the Plant Growth-Promoting Bacterium Pseudomonas sp. UW4. PLoS ONE, 2013, 8, e58640.	1.1	144
32	The Apoplastic Oxidative Burst Peroxidase in <i>Arabidopsis</i> Is a Major Component of Pattern-Triggered Immunity Â. Plant Cell, 2012, 24, 275-287.	3.1	547
33	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.	2.1	112
34	Proteomic studies of plantâ€“bacterial interactions. Soil Biology and Biochemistry, 2010, 42, 1673-1684.	4.2	64
35	Apoptosis induction by eIF5A1 involves activation of the intrinsic mitochondrial pathway. Journal of Cellular Physiology, 2010, 223, 798-809.	2.0	50
36	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

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37	Characterization of Plant-Bacterial Interactions Using Proteomic Approaches. Current Proteomics, 2010, 7, 244-257.	0.1	11
38	Proteome reference map for the plant growthâ€promoting bacterium <i>Pseudomonas putida</i> UW4. Proteomics, 2009, 9, 4271-4274.	1.3	8
39	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. FEMS Microbiology Letters, 2009, 296, 131-136.	0.7	182
40	Proteomic analysis of the response of the plant growth-promoting bacterium Pseudomonas putida UW4 to nickel stress. Proteome Science, 2009, 7, 18.	0.7	38
41	Identification of Bacterial Proteins Mediating the Interactions Between Pseudomonas putida UW4 and Brassica napus (Canola). Molecular Plant-Microbe Interactions, 2009, 22, 686-694.	1.4	35
42	Transcriptional regulation of ACC deaminase gene expression in<i>Pseudomonas putida</i>UW4. Canadian Journal of Microbiology, 2008, 54, 128-136.	0.8	35
43	Discrimination of Insoluble-Carbohydrate Binding Proteins and Their Binding Sites Using a 3D Motif Detection Method. , 2008, , .		0
44	1-Aminocyclopropane-1-carboxylate deaminase from <i>Pseudomonas putida</i> UW4 facilitates the growth of canola in the presence of salt. Canadian Journal of Microbiology, 2007, 53, 912-918.	0.8	325
45	Promotion of plant growth by ACC deaminase-producing soil bacteria. , 2007, , 329-339.		125
46	Promotion of Plant Growth by Bacterial ACC Deaminase. Critical Reviews in Plant Sciences, 2007, 26, 227-242.	2.7	742
47	Promotion of plant growth by ACC deaminase-producing soil bacteria. European Journal of Plant Pathology, 2007, 119, 329-339.	0.8	748