Ze-Chun Yuan

List of Publications by Year
in descending order

30 papers	2,107 citations	471509 17 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	2895 citing authors

#	Article	IF	Citations
1	Current knowledge and perspectives of Paenibacillus: a review. Microbial Cell Factories, 2016, 15, 203.	4.0	638
2	The plant signal salicylic acid shuts down expression of the vir regulon and activates quormone-quenching genes in Agrobacterium. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11790-11795.	7.1	152
3	Isolation, identification and characterization of Paenibacillus polymyxa CR1 with potentials for biopesticide, biofertilization, biomass degradation and biofuel production. BMC Microbiology, 2016, 16, 244.	3.3	128
4	Genome prediction of PhoB regulated promoters in Sinorhizobium meliloti and twelve proteobacteria. Nucleic Acids Research, 2006, 34, 2686-2697.	14.5	122
5	Transcriptome Profiling and Functional Analysis of Agrobacterium tumefaciens Reveals a General Conserved Response to Acidic Conditions (pH 5.5) and a Complex Acid-Mediated Signaling Involved in Agrobacterium -Plant Interactions. Journal of Bacteriology, 2008, 190, 494-507.	2.2	109
6	Agrobacterium tumefaciens responses to plant-derived signaling molecules. Frontiers in Plant Science, 2014, 5, 322.	3.6	108
7	Comparative transcriptome analysis ofAgrobacterium tumefaciensin response to plant signal salicylic acid, indole-3-acetic acid and Î³-amino butyric acid reveals signalling cross-talk andAgrobacterium-plant co-evolution. Cellular Microbiology, 2008, 10, 2339-2354.	2.1	102
8	Regulation and Properties of PstSCAB, a High-Affinity, High-Velocity Phosphate Transport System ofSinorhizobium meliloti. Journal of Bacteriology, 2006, 188, 1089-1102.	2.2	100
9	Cytosolic acetyl-CoA promotes histone acetylation predominantly at H3K27 in Arabidopsis. Nature Plants, 2017, 3, 814-824.	9.3	85
10	Clavibacter michiganensis ssp. michiganensis: bacterial canker of tomato, molecular interactions and disease management. Molecular Plant Pathology, 2018, 19, 2036-2050.	4.2	81
11	Comparative and genetic analysis of the four sequenced Paenibacillus polymyxa genomes reveals a diverse metabolism and conservation of genes relevant to plant-growth promotion and competitiveness. BMC Genomics, 2014, 15, 851.	2.8	72
12	Genomeâ€wide occupancy of histone H3K27 methyltransferases <scp>CURLY LEAF</scp> and <scp>SWINGER</scp> in Arabidopsis seedlings. Plant Direct, 2019, 3, e00100.	1.9	70
13	Characterization and complete genome analysis of the surfactin-producing, plant-protecting bacterium Bacillus velezensis 9D-6. BMC Microbiology, 2019, 19, 5.	3.3	62
14	Isolation and characterization of Burkholderia cenocepacia CR318, a phosphate solubilizing bacterium promoting corn growth. Microbiological Research, 2020, 233, 126395.	5.3	50
15	Phosphate limitation induces catalase expression inSinorhizobium meliloti,Pseudomonas aeruginosaandAgrobacterium tumefaciens. Molecular Microbiology, 2005, 58, 877-894.	2.5	42
16	MsmiR156 affects global gene expression and promotes root regenerative capacity and nitrogen fixation activity in alfalfa. Transgenic Research, 2017, 26, 541-557.	2.4	28
17	RNA polymerase II-independent recruitment of SPT6L at transcription start sites in Arabidopsis. Nucleic Acids Research, 2019, 47, 6714-6725.	14.5	24
18	Complete Genome Sequence of Paenibacillus polymyxa CR1, a Plant Growth-Promoting Bacterium Isolated from the Corn Rhizosphere Exhibiting Potential for Biocontrol, Biomass Degradation, and Biofuel Production. Genome Announcements, 2014, 2, .	0.8	22

#	Article	IF	Citations
19	Characterization and genomic analysis of a diesel-degrading bacterium, Acinetobacter calcoaceticus CA16, isolated from Canadian soil. BMC Biotechnology, 2020, 20, 39.	3.3	20
20	Bacteria in Cancer Therapeutics: A Framework for Effective Therapeutic Bacterial Screening and Identification. Journal of Cancer, 2019, 10, 1781-1793.	2.5	15
21	Isolation and characterization of novel bacterial strains for integrated solar-bioelectrokinetic of soil contaminated with heavy petroleum hydrocarbons. Chemosphere, 2019, 237, 124514.	8.2	12
22	Surfactin-producing Bacillus velezensis 1B-23 and Bacillus sp. 1D-12 protect tomato against bacterial canker caused by Clavibacter michiganensis subsp. michiganensis. Journal of Plant Pathology, 2020, 102, 451-458.	1.2	12
23	Evaluating the biocontrol potential of Canadian strain Bacillus velezensis 1B-23 via its surfactin production at various pHs and temperatures. BMC Biotechnology, 2021, 21, 31.	3.3	11
24	Complete Genome Sequence of Arthrobacter sp. Strain LS16, Isolated from Agricultural Soils with Potential for Applications in Bioremediation and Bioproducts. Genome Announcements, 2016, 4, .	0.8	9
25	A Really Useful Pathogen, Agrobacterium tumefaciens. Plant Cell, 2012, 24, tpc.112.tt1012.	6.6	8
26	Complete Genome Sequence of Acinetobacter calcoaceticus CA16, a Bacterium Capable of Degrading Diesel and Lignin. Genome Announcements, 2017, 5, .	0.8	8
27	Solar power enhancement of electrokinetic bioremediation of phenanthrene by Mycobacterium pallens. Bioremediation Journal, 2017, 21, 53-70.	2.0	7
28	Development and validation of an rDNA operon based primer walking strategy applicable to de novo bacterial genome finishing. Frontiers in Microbiology, 2014, 5, 769.	3.5	5
29	Complete Genome Sequence of Burkholderia cenocepacia CR318, a Phosphate-Solubilizing Bacterium Isolated from Corn Root. Genome Announcements, 2017, 5, .	0.8	4
30	A Hydroponic Co-cultivation System for Simultaneous and Systematic Analysis of Plant/Microbe Molecular Interactions and Signaling. Journal of Visualized Experiments, 2017, , .	0.3	1