Qing Yao

List of Publications by Year
in descending order

92 papers	1,956 citations	279487 23 h-index	329751 37 g-index
95 all docs	95 docs citations	95 times ranked	2067 citing authors

#	Article	IF	Citations
1	Arbuscular mycorrhizal fungal inoculation increases phenolic synthesis in clover roots via hydrogen peroxide, salicylic acid and nitric oxide signaling pathways. Journal of Plant Physiology, 2013, 170, 74-79.	1.6	127
2	Localized and Systemic Increase of Phenols in Tomato Roots Induced by Glomus versiforme Inhibits Ralstonia solanacearum. Journal of Phytopathology, 2004, 152, 537-542.	0.5	110
3	The combined effects of cover crops and symbiotic microbes on phosphatase gene and organic phosphorus hydrolysis in subtropical orchard soils. Soil Biology and Biochemistry, 2015, 82, 119-126.	4.2	86
4	Title is missing!. Plant and Soil, 2001, 230, 279-285.	1.8	68
5	Effect of arbuscular mycorrhizal fungal inoculation on root system architecture of trifoliate orange (Poncirus trifoliata L. Raf.) seedlings. Scientia Horticulturae, 2009, 121, 458-461.	1.7	68
6	Molecular community analysis of arbuscular mycorrhizal fungi associated with five selected plant species from heavy metal polluted soils. European Journal of Soil Biology, 2010, 46, 288-294.	1.4	63
7	Variation in Soil Microbial Community Structure Associated with Different Legume Species Is Greater than that Associated with Different Grass Species. Frontiers in Microbiology, 2017, 8, 1007.	1.5	62
8	Nitrogen removal characteristics of a versatile heterotrophic nitrifying-aerobic denitrifying bacterium, Pseudomonas bauzanensis DN13-1, isolated from deep-sea sediment. Bioresource Technology, 2020, 305, 122626.	4.8	59
9	Comparative Genomics Reveals Genetic Diversity and Metabolic Potentials of the Genus <i>Qipengyuania</i> and Suggests Fifteen Novel Species. Microbiology Spectrum, 2022, 10, e0126421.	1.2	55
10	Growth responses and endogenous IAA and iPAs changes of litchi (Litchi chinensis Sonn.) seedlings induced by arbuscular mycorrhizal fungal inoculation. Scientia Horticulturae, 2005, 105, 145-151.	1.7	45
11	Analysis of bacterial communities associated with spores of Gigaspora margarita and Gigaspora rosea. Plant and Soil, 2008, 310, 1-9.	1.8	40
12	Burkholderia dabaoshanensis sp. nov., a Heavy-Metal-Tolerant Bacteria Isolated from Dabaoshan Mining Area Soil in China. PLoS ONE, 2012, 7, e50225.	1.1	36
13	Arbuscular Mycorrhizal Fungus Enhances Lateral Root Formation in Poncirus trifoliata (L.) as Revealed by RNA-Seq Analysis. Frontiers in Plant Science, 2017, 8, 2039.	1.7	36
14	Streptomyces vietnamensis sp. nov., a streptomycete with violetâ€"blue diffusible pigment isolated from soil in Vietnam. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1770-1774.	0.8	34
15	Microbacterium radiodurans sp. nov., a UV radiation-resistant bacterium isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2665-2670.	0.8	34
16	Phosphate application enhances the resistance of arbuscular mycorrhizae in clover plants to cadmium via polyphosphate accumulation in fungal hyphae. Environmental and Experimental Botany, 2014, 108, 63-70.	2.0	34
17	Bi-directional transfer of phosphorus between red clover and perennial ryegrass via arbuscular mycorrhizal hyphal links. European Journal of Soil Biology, 2003, 39, 47-54.	1.4	33
18	Cooperation of earthworm and arbuscular mycorrhizae enhanced plant N uptake by balancing absorption and supply of ammonia. Soil Biology and Biochemistry, 2018, 116, 351-359.	4.2	33

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19	Transfer of Sphingorhabdus marina, Sphingorhabdus litoris, Sphingorhabdus flavimaris and Sphingorhabdus pacifica corrig. into the novel genus Parasphingorhabdus gen. nov. and Sphingopyxis baekryungensis into the novel genus Novosphingopyxis gen. nov. within the family Sphingomonadaceae. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2147-2154.	0.8	31
20	Colonization, ALP activity and plant growth promotion of native and exotic arbuscular mycorrhizal fungi at low pH. Soil Biology and Biochemistry, 2007, 39, 942-950.	4.2	28
21	Transcriptome Profiling to Understand the Effect of Citrus Rootstocks on the Growth of â€˜Shatangjuâ€™ Mandarin. PLoS ONE, 2017, 12, e0169897.	1.1	27
22	Evaluation of soil storage methods for soil microbial community using genetic and metabolic fingerprintings. European Journal of Soil Biology, 2014, 63, 55-63.	1.4	25
23	FACTORS AFFECTING ARBUSCULAR MYCORRHIZAL DEPENDENCY OF WHEAT GENOTYPES WITH DIFFERENT PHOSPHORUS EFFICIENCIES. Journal of Plant Nutrition, 2001, 24, 1409-1419.	0.9	24
24	Isolation and Identification of Myxobacteria from Saline-Alkaline Soils in Xinjiang, China. PLoS ONE, 2013, 8, e70466.	1.1	24
25	Acidic soil inhibits the functionality of arbuscular mycorrhizal fungi by reducing arbuscule formation in tomato roots. Soil Science and Plant Nutrition, 2020, 66, 275-284.	0.8	24
26	Differences in Arbuscular Mycorrhizal Fungal Community Composition in Soils of Three Land Use Types in Subtropical Hilly Area of Southern China. PLoS ONE, 2015, 10, e0130983.	1.1	24
27	Influence of extramatrical hyphae on mycorrhizal dependency of wheat genotypes. Communications in Soil Science and Plant Analysis, 2001, 32, 3307-3317.	0.6	23
28	Contributions of an arbuscular mycorrhizal fungus to growth and physiology of loquat (Eriobotrya) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	23
29	The possible involvement of salicylic acid and hydrogen peroxide in the systemic promotion of phenolic biosynthesis in clover roots colonized by arbuscular mycorrhizal fungus. Journal of Plant Physiology, 2015, 178, 27-34.	1.6	21
30	Streptomyces fenghuangensis sp. nov., isolated from seawater. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2811-2815.	0.8	20
31	Soil Bacterial Function Associated With Stylo (Legume) and Bahiagrass (Grass) Is Affected More Strongly by Soil Chemical Property Than by Bacterial Community Composition. Frontiers in Microbiology, 2019, 10, 798.	1.5	20
32	Linking lipid transfer with reduced arbuscule formation in tomato roots colonized by arbuscular mycorrhizal fungus under low pH stress. Environmental Microbiology, 2020, 22, 1036-1051.	1.8	20
33	Effects of arbuscular mycorrhizal fungi on zinnia and the different colonization between Gigaspora and Glomus. World Journal of Microbiology and Biotechnology, 2010, 26, 1527-1531.	1.7	19
34	Culture-Dependent and -Independent Analyses Reveal the Diversity, Structure, and Assembly Mechanism of Benthic Bacterial Community in the Ross Sea, Antarctica. Frontiers in Microbiology, 2019, 10, 2523.	1.5	19
35	Microvirga flavescens sp. nov., a novel bacterium isolated from forest soil and emended description of the genus Microvirga. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 667-671.	0.8	19
36	Arbuscular mycorrhizal fungus differentially regulates P mobilizing bacterial community and abundance in rhizosphere and hyphosphere. Applied Soil Ecology, 2022, 170, 104294.	2.1	19

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37	Responses of Arbuscular Mycorrhizal Symbiosis to Abiotic Stress: A Lipid-Centric Perspective. Frontiers in Plant Science, 2020, 11, 578919.	1.7	18
38	The Predatory Myxobacterium Citreicoccus inhibens gen. nov. sp. nov. Showed Antifungal Activity and Bacteriolytic Property against Phytopathogens. Microorganisms, 2021, 9, 2137.	1.6	18
39	Exogenous polyamines influence root morphogenesis and arbuscular mycorrhizal development of Citrus limonia seedlings. Plant Growth Regulation, 2010, 60, 27-33.	1.8	17
40	Metagenomic evidence of stronger effect of stylo (legume) than bahiagrass (grass) on taxonomic and functional profiles of the soil microbial community. Scientific Reports, 2017, 7, 10195.	1.6	17
41	Contrasting P acquisition strategies of the bacterial communities associated with legume and grass in subtropical orchard soil. Environmental Microbiology Reports, 2018, 10, 310-319.	1.0	17
42	Lysobacter silvisoli sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 93-98.	0.8	17
43	Streptomyces caeruleatus sp. nov., with dark blue diffusible pigment. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 507-511.	0.8	16
44	Population and function analysis of cultivable bacteria associated with spores of arbuscular mycorrhizal fungus Gigaspora margarita. 3 Biotech, 2017, 7, 8.	1.1	16
45	Study of Biochemical and Microbiological Properties During Co-composting of Spent Mushroom Substrates and Chicken Feather. Waste and Biomass Valorization, 2019, 10, 23-32.	1.8	16
46	Differential influence of native and introduced arbuscular mycorrhizal fungi on growth of dominant and subordinate plants. Plant Ecology, 2008, 196, 261-268.	0.7	15
47	Growth Response and Nutrient Uptake of Eriobotrya japonica Plants Inoculated with Three Isolates of Arbuscular Mycorrhizal Fungi Under Water Stress Condition. Journal of Plant Nutrition, 2014, 37, 690-703.	0.9	15
48	The differential and interactive effects of arbuscular mycorrhizal fungus and phosphorus on the lateral root formation in Poncirus trifoliata (L.). Scientia Horticulturae, 2017, 217, 258-265.	1.7	15
49	Ramlibacter humi sp. nov., isolated from tropical forest soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3460-3464.	0.8	14
50	Exogenous abscisic acid and root volatiles increase sporulation of Rhizophagus irregularis DAOM 197198 in asymbiotic and pre-symbiotic status. Mycorrhiza, 2019, 29, 581-589.	1.3	13
51	Effect of Zn and NAA co-treatment on the occurrence of creasing fruit and the peel development of â€˜Shatangjuâ€™ mandarin. Scientia Horticulturae, 2016, 201, 230-237.	1.7	12
52	Marinobacter denitrificans sp. nov., isolated from marine sediment of southern Scott Coast, Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2918-2924.	0.8	12
53	Sphingobacterium micropteri sp. nov. and Sphingobacterium litopenaei sp. nov., isolated from aquaculture water. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	12
54	Myxococcus xanthus R31 Suppresses Tomato Bacterial Wilt by Inhibiting the Pathogen Ralstonia solanacearum With Secreted Proteins. Frontiers in Microbiology, 2021, 12, 801091.	1.5	11

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55	Influence of an Arbuscular Mycorrhizal Fungus on Competition for Phosphorus Between Sweet Orange and a Leguminous Herb. Journal of Plant Nutrition, 2005, 28, 2179-2192.	0.9	10
56	Cellular wall metabolism in citrus fruit pericarp and its relation to creasing fruit rate. Scientia Horticulturae, 2009, 122, 45-50.	1.7	10
57	Evaluation of the potential of trap plants to detect arbuscular mycorrhizal fungi using polymerase chain reaction-denaturing gradient gel electrophoresis analysis. Soil Science and Plant Nutrition, 2010, 56, 205-211.	0.8	10
58	Acinetobacter refrigeratorensis sp. nov., Isolated from a Domestic Refrigerator. Current Microbiology, 2014, 69, 888-893.	1.0	10
59	Meta-16S rRNA Gene Phylogenetic Reconstruction Reveals the Astonishing Diversity of Cosmopolitan Myxobacteria. Microorganisms, 2019, 7, 551.	1.6	10
60	Earthworms negate the adverse effect of arbuscular mycorrhizae on living bacterial biomass and bacterial necromass accumulation in a subtropical soil. Soil Biology and Biochemistry, 2020, 151, 108052.	4.2	10
61	Feather-Based Compost Drastically Regulates Soil Microbial Community and Lettuce Growth in a Subtropical Soil: the Possible Role of Amino Acids. Journal of Soil Science and Plant Nutrition, 2021, 21, 709-721.	1.7	10
62	Arbuscular mycorrhizal fungi improve uptake and control efficacy of carbosulfan on <scp><i>Spodoptera frugiperda</i></scp> in maize plants. Pest Management Science, 2021, 77, 2812-2819.	1.7	10
63	Chitinophaga tropicalis sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3859-3864.	0.8	10
64	Influence of nitrogen and phosphorus on polyphosphate accumulation in Gigaspora margarita during spore germination. Plant and Soil, 2010, 330, 303-311.	1.8	9
65	External hyphae of <i>Rhizophagus irregularis</i> DAOM 197198 are less sensitive to low pH than roots in arbuscular mycorrhizae: evidence from axenic culture system. Environmental Microbiology Reports, 2017, 9, 649-657.	1.0	9
66	Pseudidiomarina gelatinasegens sp. nov., isolated from surface sediment of the Terra Nova Bay, Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 708-714.	0.8	9
67	Soil Organic Carbon Attenuates the Influence of Plants on Root-Associated Bacterial Community. Frontiers in Microbiology, 2020, 11, 594890.	1.5	8
68	Both Soil Bacteria and Soil Chemical Property Affected the Micropredator Myxobacterial Community: Evidence from Natural Forest Soil and Greenhouse Rhizosphere Soil. Microorganisms, 2020, 8, 1387.	1.6	8
69	Chitinophaga flava sp. nov., isolated from monsoon evergreen broad-leaved forest soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 625-630.	0.8	8
70	Approach to Analyze the Diversity of Myxobacteria in Soil by Semi-Nested PCR-Denaturing Gradient Gel Electrophoresis (DGGE) Based on Taxon-Specific Gene. PLoS ONE, 2014, 9, e108877.	1.1	8
71	Phylogenomic Analysis Substantiates the gyrB Gene as a Powerful Molecular Marker to Efficiently Differentiate the Most Closely Related Genera Myxococcus, Corallococcus, and Pyxidicoccus. Frontiers in Microbiology, 2021, 12, 763359.	1.5	8
72	Lysobacter penaei sp. nov., isolated from intestinal content of a Pacific white shrimp (Penaeus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.8	8

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73	Corallococcus silvisoli sp. nov., a novel myxobacterium isolated from subtropical forest soil. Archives of Microbiology, 2022, 204, 141.	1.0	8
74	Pseudomonas oligotrophica sp. nov., a Novel Denitrifying Bacterium Possessing Nitrogen Removal Capability Under Low Carbonâ€"Nitrogen Ratio Condition. Frontiers in Microbiology, 2022, 13, .	1.5	8
75	Shewanella jiangmenensis sp. nov., isolated from aquaculture water. Archives of Microbiology, 2022, 204, 198.	1.0	7
76	Erwinia phyllosphaerae sp. nov., a novel bacterium isolated from phyllosphere of pomelo (Citrus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.8	7
77	Detection of a novel bacterium associated with spores of the arbuscular mycorrhizal fungus<i>Gigaspora margarita</i>. Canadian Journal of Microbiology, 2009, 55, 771-775.	0.8	6
78	Compound enzymatic hydrolysis of feather waste to improve the nutritional value. Biomass Conversion and Biorefinery, 2022, 12, 287-298.	2.9	6
79	Streptomyces lacticiproducens sp. nov., a lactic acid-producing streptomycete isolated from the rhizosphere of tomato plants. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 35-39.	0.8	5
80	The feather-degrading bacterial community in two soils as revealed by a specific primer targeting serine-type keratinolytic proteases. World Journal of Microbiology and Biotechnology, 2016, 32, 165.	1.7	5
81	Improving Soil Fertility and Soil Functioning in Cover Cropped Agroecosystems with Symbiotic Microbes. , 2017, , 149-171.		5
82	Chitinophaga rhizophila sp. nov., isolated from rhizosphere soil of banana. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	5
83	A myxobacterial GH19 lysozyme with bacteriolytic activity on both Gram-positive and negative phytopathogens. AMB Express, 2022, 12, 54.	1.4	5
84	Culture-dependent and -independent methods revealed an abundant myxobacterial community shaped by other bacteria and pH in Dinghushan acidic soils. PLoS ONE, 2020, 15, e0238769.	1.1	4
85	MORPHOLOGICAL CHARACTERISTICS OF LOQUAT MYCORRHIZA AND INOCULATION EFFECTS OF ARBUSCULAR MYCORRHIZAL FUNGI ON LOQUAT. Acta Horticulturae, 2007, , 389-394.	0.1	3
86	Plantâ€"microbe associations for enhancement of agricultural productivity. , 2019, , 63-76.		2
87	RESPONSES OF CITRUS SEEDLINGS AND A LEGUMINOUS HERB, STYLOSANTHES GRACILIS, TO ARBUSCULAR MYCORRHIZAL FUNGAL INOCULATION. Acta Horticulturae, 2008, , 63-67.	0.1	2
88	Microvirga terricola sp. nov. and Microvirga solisilvae sp. nov, isolated from forest soil. Archives of Microbiology, 2022, 204, .	1.0	2
89	Growth and Photosynthetic Responses of Litchi Seedlings to Arbuscular Mycorrhizal Fungal Inoculation: Differences between Two Genotypes. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2018, 46, 466-473.	0.5	1
90	Promoting Crop Growth With Symbiotic Microbes in Agro-Ecosystems in Climate Change Era. , 2019, , 31-41.		1

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91	Plant Species-Dependent Effects of Liming and Plant Residue Incorporation on Soil Bacterial Community and Activity in an Acidic Orchard Soil. Applied Sciences (Switzerland), 2020, 10, 5681.	1.3	1
92	THE EFFECTS OF POLYAMINES ON ROOT MORPHOLOGY AND ARBUSCULAR MYCORRHIZA OF CITRUS SEEDLINGS. Acta Horticulturae, 2008, , 151-158.	0.1	1