Feng-Zhi Wu

List of Publications by Year
in descending order

62 papers	1,623 citations	331670 21 h-index	345221 36 g-index
66 all docs	66 docs citations	66 times ranked	1353 citing authors

#	Article	IF	Citations
1	Effects of intercropping cucumber with onion or garlic on soil enzyme activities, microbial communities and cucumber yield. European Journal of Soil Biology, 2011, 47, 279-287.	3.2	166
2	Soil microbial communities in cucumber monoculture and rotation systems and their feedback effects on cucumber seedling growth. Plant and Soil, 2017, 415, 507-520.	3.7	134
3	Diversity and Co-occurrence Patterns of Soil Bacterial and Fungal Communities in Seven Intercropping Systems. Frontiers in Microbiology, 2018, 9, 1521.	3.5	132
4	p-Coumaric can alter the composition of cucumber rhizosphere microbial communities and induce negative plant-microbial interactions. Biology and Fertility of Soils, 2018, 54, 363-372.	4.3	83
5	Responses of Soil Microbial Communities in the Rhizosphere of Cucumber (Cucumis sativus L.) to Exogenously Applied p-Hydroxybenzoic Acid. Journal of Chemical Ecology, 2012, 38, 975-983.	1.8	50
6	Continuously Monocropped Jerusalem Artichoke Changed Soil Bacterial Community Composition and Ammonia-Oxidizing and Denitrifying Bacteria Abundances. Frontiers in Microbiology, 2018, 9, 705.	3.5	44
7	Root exudates of wheat are involved in suppression of Fusarium wilt in watermelon in watermelon-wheat companion cropping. European Journal of Plant Pathology, 2015, 141, 209-216.	1.7	43
8	Different toxic effects of ferulic and p-hydroxybenzoic acids on cucumber seedling growth were related to their different influences on rhizosphere microbial composition. Biology and Fertility of Soils, 2020, 56, 125-136.	4.3	39
9	Companion cropping with potato onion enhances the disease resistance of tomato against Verticillium dahliae. Frontiers in Plant Science, 2015, 6, 726.	3.6	38
10	Artificially applied vanillic acid changed soil microbial communities in the rhizosphere of cucumber (Cucumis sativusL.). Canadian Journal of Soil Science, 2013, 93, 13-21.	1.2	36
11	Cucumber (Cucumis sativus L.) Seedling Rhizosphere Trichoderma and Fusarium spp. Communities Altered by Vanillic Acid. Frontiers in Microbiology, 2018, 9, 2195.	3.5	36
12	Effects of Intercropping with Potato Onion on the Growth of Tomato and Rhizosphere Alkaline Phosphatase Genes Diversity. Frontiers in Plant Science, 2016, 7, 846.	3.6	34
13	The role of root exudates, CMNs, and VOCs in plantâ€“plant interaction. Journal of Plant Interactions, 2019, 14, 630-636.	2.1	34
14	Effect of anti-fungal compound phytosphingosine in wheat root exudates on the rhizosphere soil microbial community of watermelon. Plant and Soil, 2020, 456, 223-240.	3.7	32
15	Intercropping with Potato-Onion Enhanced the Soil Microbial Diversity of Tomato. Microorganisms, 2020, 8, 834.	3.6	32
16	Vanillic acid changed cucumber (Cucumis sativus L.) seedling rhizosphere total bacterial, Pseudomonas and Bacillus spp. communities. Scientific Reports, 2018, 8, 4929.	3.3	31
17	The effect of D123 wheat as a companion crop on soil enzyme activities, microbial biomass and microbial communities in the rhizosphere of watermelon. Frontiers in Microbiology, 2015, 6, 899.	3.5	30
18	Application of Sodium Silicate Enhances Cucumber Resistance to Fusarium Wilt and Alters Soil Microbial Communities. Frontiers in Plant Science, 2018, 9, 624.	3.6	30

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19	An endophytic Streptomyces sp. strain DHV3-2 from diseased root as a potential biocontrol agent against Verticillium dahliae and growth elicitor in tomato (Solanum lycopersicum). Antonie Van Leeuwenhoek, 2016, 109, 1573-1582.	1.7	27
20	Litter Mixing Alters Microbial Decomposer Community to Accelerate Tomato Root Litter Decomposition. Microbiology Spectrum, 2022, 10, .	3.0	27
21	Green manures of Indian mustard and wild rocket enhance cucumber resistance to Fusarium wilt through modulating rhizosphere bacterial community composition. Plant and Soil, 2019, 441, 283-300.	3.7	26
22	Treatment With Wheat Root Exudates and Soil Microorganisms From Wheat/Watermelon Companion Cropping Can Induce Watermelon Disease Resistance Against Fusarium oxysporum f. sp. niveum. Plant Disease, 2019, 103, 1693-1702.	1.4	26
23	Physiological response and sulfur metabolism of the V. dahliae-infected tomato plants in tomato/potato onion companion cropping. Scientific Reports, 2016, 6, 36445.	3.3	25
24	Biochar and Intercropping With Potatoâ€“Onion Enhanced the Growth and Yield Advantages of Tomato by Regulating the Soil Properties, Nutrient Uptake, and Soil Microbial Community. Frontiers in Microbiology, 2021, 12, 695447.	3.5	25
25	Companion cropping with wheat increases resistance to Fusarium wilt in watermelon and the roles of root exudates in watermelon root growth. Physiological and Molecular Plant Pathology, 2015, 90, 12-20.	2.5	24
26	Changes in rhizosphere microbial communities in potted cucumber seedlings treated with syringic acid. PLoS ONE, 2018, 13, e0200007.	2.5	23
27	Control of Fusarium wilt by wheat straw is associated with microbial network changes in watermelon rhizosphere. Scientific Reports, 2020, 10, 12736.	3.3	23
28	Soil acidification mediates changes in soil bacterial community assembly processes in response to agricultural intensification. Environmental Microbiology, 2021, 23, 4741-4755.	3.8	23
29	Land-use conversion from open field to greenhouse cultivation differently affected the diversities and assembly processes of soil abundant and rare fungal communities. Science of the Total Environment, 2021, 788, 147751.	8.0	23
30	Rotations with Indian Mustard and Wild Rocket Suppressed Cucumber Fusarium Wilt Disease and Changed Rhizosphere Bacterial Communities. Microorganisms, 2019, 7, 57.	3.6	22
31	Rhizosphere bacterial community in watermelon-wheat intercropping was more stable than in watermelon monoculture system under Fusarium oxysporum f. sp. niveum invasion. Plant and Soil, 2019, 445, 369-381.	3.7	21
32	Effects of vanillin on the community structures and abundances of Fusarium and Trichoderma spp. in cucumber seedling rhizosphere. Journal of Plant Interactions, 2018, 13, 45-50.	2.1	20
33	Crop Rotation With Cress Increases Cucumber Yields by Regulating the Composition of the Rhizosphere Soil Microbial Community. Frontiers in Microbiology, 2021, 12, 631882.	3.5	19
34	Root exudates increase phosphorus availability in the tomato/potato onion intercropping system. Plant and Soil, 2021, 464, 45-62.	3.7	19
35	Palmitic acid mediated change of rhizosphere and alleviation of Fusarium wilt disease in watermelon. Saudi Journal of Biological Sciences, 2021, 28, 3616-3623.	3.8	17
36	Root exudates of potato onion are involved in the suppression of clubroot in a Chinese cabbage-potato onion-Chinese cabbage crop rotation. European Journal of Plant Pathology, 2018, 150, 765-777.	1.7	15

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37	Wheat straw increases the defense response and resistance of watermelon monoculture to Fusarium wilt. BMC Plant Biology, 2019, 19, 551.	3.6	15
38	Wheat cover crop promoted cucumber seedling growth through regulating soil nutrient resources or soil microbial communities?. Plant and Soil, 2017, 418, 459-475.	3.7	14
39	Effects of rotation and interplanting on soil bacterial communities and cucumber yield. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2009, 59, 431-439.	0.6	12
40	Effects of shading on triterpene saponin accumulation and related gene expression of Aralia elata (Miq.) Seem. Plant Physiology and Biochemistry, 2021, 160, 166-174.	5.8	12
41	Phosphorus fertilization and intercropping interactively affect tomato and potato onion growth and rhizosphere arbuscular mycorrhizal fungal community. Archives of Agronomy and Soil Science, 2021, 67, 919-933.	2.6	11
42	Conversion from long-term cultivated wheat field to Jerusalem artichoke plantation changed soil fungal communities. Scientific Reports, 2017, 7, 41502.	3.3	10
43	Intercropping of wheat changed cucumber rhizosphere bacterial community composition and inhibited cucumber Fusarium wilt disease. Scientia Agricola, 2020, 77, .	1.2	10
44	Evaluation of soil enzyme activities and microbial communities in tomato continuous cropping soil treated with jerusalem artichoke residues. Communications in Soil Science and Plant Analysis, 2018, 49, 2727-2740.	1.4	9
45	Common mycorrhizal networks benefit to the asymmetric interspecific facilitation via K exchange in an agricultural intercropping system. Biology and Fertility of Soils, 2021, 57, 959-971.	4.3	9
46	Biochar stimulates tomato roots to recruit a bacterial assemblage contributing to disease resistance against Fusarium wilt. , 2022, 1, .		9
47	Study of the physiological mechanism of delaying cucumber senescence by wheat intercropping pattern. Journal of Plant Physiology, 2019, 234-235, 154-166.	3.5	8
48	Root interactions and tomato growth in tomato/potato onion companion-cropping system under different phosphorus levels. Journal of Plant Interactions, 2017, 12, 438-446.	2.1	7
49	The impact of root exudates, volatile organic compounds, and common mycorrhizal networks on root system architecture in root-root interactions. Journal of Plant Interactions, 2022, 17, 685-694.	2.1	7
50	Wheat cover crop alters soil microbial community and increases cucumber yield under different potassium regimes. European Journal of Agronomy, 2022, 139, 126567.	4.1	7
51	Exogenously applied ferulic acid and p-coumaric acid differentially affect cucumber rhizosphere Trichoderma spp. community structure and abundance. Plant, Soil and Environment, 2020, 66, 461-467.	2.2	6
52	Impact of Intercropping on the Diazotrophic Community in the Soils of Continuous Cucumber Cropping Systems. Frontiers in Microbiology, 2021, 12, 630302.	3.5	6
53	Cover Crop Species Composition Alters the Soil Bacterial Community in a Continuous Pepper Cropping System. Frontiers in Microbiology, 2021, 12, 789034.	3.5	6
54	Improved bacterial community diversity and cucumber yields in a rotation with kidney beanâ€“celeryâ€“cucumber. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2011, 61, 122-128.	0.6	5

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55	Effects of soil improvement technology on soil quality in solar greenhouse. Environmental Science and Pollution Research, 2018, 25, 24093-24100.	5.3	5
56	Gene Expression and K+ Uptake of Two Tomato Cultivars in Response to Sub-Optimal Temperature. Plants, 2020, 9, 65.	3.5	5
57	Protein expression in accessions of Chinese onion with different allelopathic potentials under monocropping and intercropping systems. Acta Physiologiae Plantarum, 2013, 35, 2241-2250.	2.1	4
58	Responses of Ammonia-Oxidizing Microorganisms to Intercropping Systems in Different Seasons. Agriculture (Switzerland), 2021, 11, 195.	3.1	4
59	Repeated Application of Rice Straw Stabilizes Soil Bacterial Community Composition and Inhibits Clubroot Disease. Agriculture (Switzerland), 2021, 11, 108.	3.1	4
60	Transcriptomic comparison of Allium cepa var. agrogatum Don. cultivars with different facilitating potentials on tomato seedlings. Journal of Plant Interactions, 2019, 14, 54-60.	2.1	1
61	Intercropping: A Substitute but Identical of Biofertilizers. , 2021, , 293-309.		1
62	The Influence of Residue Mixing on the Decomposition of Pepper Root Residues. Agriculture (Switzerland), 2022, 12, 84.	3.1	1