# Feng-Zhi Wu

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | The Influence of Residue Mixing on the Decomposition of Pepper Root Residues. Agriculture (Switzerland), 2022, 12, 84. | 3.1 | 1 |
| 2 | Litter Mixing Alters Microbial Decomposer Community to Accelerate Tomato Root Litter Decomposition. Microbiology Spectrum, 2022, 10, . | 3.0 | 27 |
| 3 | 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 |
| 4 | Biochar stimulates tomato roots to recruit a bacterial assemblage contributing to disease resistance against Fusarium wilt. , 2022, 1, . | | 9 |
| 5 | 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 |
| 6 | 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 |
| 7 | Intercropping: A Substitute but Identical of Biofertilizers. , 2021, , 293-309. | | 1 |
| 8 | Responses of Ammonia-Oxidizing Microorganisms to Intercropping Systems in Different Seasons. Agriculture (Switzerland), 2021, 11, 195. | 3.1 | 4 |
| 9 | 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 |
| 10 | 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 |
| 11 | Impact of Intercropping on the Diazotrophic Community in the Soils of Continuous Cucumber Cropping Systems. Frontiers in Microbiology, 2021, 12, 630302. | 3.5 | 6 |
| 12 | Root exudates increase phosphorus availability in the tomato/potato onion intercropping system. Plant and Soil, 2021, 464, 45-62. | 3.7 | 19 |
| 13 | 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 |
| 14 | 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 |
| 15 | Soil acidification mediates changes in soil bacterial community assembly processes in response to agricultural intensification. Environmental Microbiology, 2021, 23, 4741-4755. | 3.8 | 23 |
| 16 | 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 |
| 17 | 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 |
| 18 | Repeated Application of Rice Straw Stabilizes Soil Bacterial Community Composition and Inhibits Clubroot Disease. Agriculture (Switzerland), 2021, 11, 108. | 3.1 | 4 |

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|---|---|---|---|
| 19 | Cover Crop Species Composition Alters the Soil Bacterial Community in a Continuous Pepper Cropping System. Frontiers in Microbiology, 2021, 12, 789034. | 3.5 | 6 |
| 20 | 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 |
| 21 | 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 |
| 22 | Control of Fusarium wilt by wheat straw is associated with microbial network changes in watermelon rhizosphere. Scientific Reports, 2020, 10, 12736. | 3.3 | 23 |
| 23 | 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 |
| 24 | Intercropping with Potato-Onion Enhanced the Soil Microbial Diversity of Tomato. Microorganisms, 2020, 8, 834. | 3.6 | 32 |
| 25 | Gene Expression and K+ Uptake of Two Tomato Cultivars in Response to Sub-Optimal Temperature. Plants, 2020, 9, 65. | 3.5 | 5 |
| 26 | Intercropping of wheat changed cucumber rhizosphere bacterial community composition and inhibited cucumber Fusarium wilt disease. Scientia Agricola, 2020, 77, . | 1.2 | 10 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 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 | 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 |
| 32 | Wheat straw increases the defense response and resistance of watermelon monoculture to Fusarium wilt. BMC Plant Biology, 2019, 19, 551. | 3.6 | 15 |
| 33 | The role of root exudates, CMNs, and VOCs in plantâ€“plant interaction. Journal of Plant Interactions, 2019, 14, 630-636. | 2.1 | 34 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Vanillic acid changed cucumber (Cucumis sativus L.) seedling rhizosphere total bacterial, Pseudomonas and Bacillus spp. communities. Scientific Reports, 2018, 8, 4929. | 3.3 | 31 |
| 38 | 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 |
| 39 | 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 |
| 40 | Cucumber (Cucumis sativus L.) Seedling Rhizosphere Trichoderma and Fusarium spp. Communities Altered by Vanillic Acid. Frontiers in Microbiology, 2018, 9, 2195. | 3.5 | 36 |
| 41 | Changes in rhizosphere microbial communities in potted cucumber seedlings treated with syringic acid. PLoS ONE, 2018, 13, e0200007. | 2.5 | 23 |
| 42 | 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 |
| 43 | Diversity and Co-occurrence Patterns of Soil Bacterial and Fungal Communities in Seven Intercropping Systems. Frontiers in Microbiology, 2018, 9, 1521. | 3.5 | 132 |
| 44 | 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 |
| 45 | Effects of soil improvement technology on soil quality in solar greenhouse. Environmental Science and Pollution Research, 2018, 25, 24093-24100. | 5.3 | 5 |
| 46 | Conversion from long-term cultivated wheat field to Jerusalem artichoke plantation changed soil fungal communities. Scientific Reports, 2017, 7, 41502. | 3.3 | 10 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | Companion cropping with potato onion enhances the disease resistance of tomato against Verticillium dahliae. Frontiers in Plant Science, 2015, 6, 726. | 3.6 | 38 |
| 54 | 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 |

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| 55 | 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 |
| 56 | 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 |
| 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 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |