

S Franz Bender

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

3,618
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

4812
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Humidity and high temperature are important for predicting fungal disease outbreaks worldwide. <i>New Phytologist</i> , 2022, 234, 1553-1556. | 7.3 | 49 |
| 2 | Arbuscular mycorrhizal fungi mitigate soil nitrogen and phosphorus losses: A meta-analysis. <i>Science of the Total Environment</i> , 2022, 807, 150857. | 8.0 | 32 |
| 3 | Pulling the strings from underground? Soil biota and plant growthâ€defense tradeoffs. <i>New Phytologist</i> , 2022, 233, 1015-1017. | 7.3 | 2 |
| 4 | Narrow and Brittle or Broad and Nimble? Comparing Adaptive Capacity in Simplifying and Diversifying Farming Systems. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, . | 3.9 | 42 |
| 5 | Organic and conservation agriculture promote ecosystem multifunctionality. <i>Science Advances</i> , 2021, 7, . | 10.3 | 104 |
| 6 | Enrichment of <sc>i>nosZ</i>-type denitrifiers by arbuscular mycorrhizal fungi mitigates <sc>N₂O</sc> emissions from soybean stubbles. <i>Environmental Microbiology</i> , 2021, 23, 6587-6602. | 3.8 | 13 |
| 7 | Establishment success and crop growth effects of an arbuscular mycorrhizal fungus inoculated into Swiss corn fields. <i>Agriculture, Ecosystems and Environment</i> , 2019, 273, 13-24. | 5.3 | 43 |
| 8 | Strategies for Environmentally Sound Soil Ecological Engineering: A Reply to Machado et al.. <i>Trends in Ecology and Evolution</i> , 2017, 32, 10-12. | 8.7 | 6 |
| 9 | Combined Field Inoculations of Pseudomonas Bacteria, Arbuscular Mycorrhizal Fungi, and Entomopathogenic Nematodes and their Effects on Wheat Performance. <i>Frontiers in Plant Science</i> , 2017, 8, 1809. | 3.6 | 45 |
| 10 | High-resolution community profiling of arbuscular mycorrhizal fungi. <i>New Phytologist</i> , 2016, 212, 780-791. | 7.3 | 104 |
| 11 | An Underground Revolution: Biodiversity and Soil Ecological Engineering for Agricultural Sustainability. <i>Trends in Ecology and Evolution</i> , 2016, 31, 440-452. | 8.7 | 879 |
| 12 | Mycorrhizal effects on nutrient cycling, nutrient leaching and N2O production in experimental grassland. <i>Soil Biology and Biochemistry</i> , 2015, 80, 283-292. | 8.8 | 130 |
| 13 | The role of arbuscular mycorrhizas in reducing soil nutrient loss. <i>Trends in Plant Science</i> , 2015, 20, 283-290. | 8.8 | 242 |
| 14 | Soil biota enhance agricultural sustainability by improving crop yield, nutrient uptake and reducing nitrogen leaching losses. <i>Journal of Applied Ecology</i> , 2015, 52, 228-239. | 4.0 | 180 |
| 15 | Soil biodiversity and soil community composition determine ecosystem multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5266-5270. | 7.1 | 1,578 |
| 16 | Symbiotic relationships between soil fungi and plants reduce N2O emissions from soil. <i>ISME Journal</i> , 2014, 8, 1336-1345. | 9.8 | 156 |