S Franz Bender

List of Publications by Year
in descending order

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