Bettina Eichler-LÃ¶bermann

List of Publications by Year
in descending order

44 papers	1,390 citations	361045 20 h-index	344852 36 g-index
45 all docs	45 docs citations	45 times ranked	1512 citing authors

#	Article	IF	Citations
1	Thresholds of target phosphorus fertility classes in European fertilizer recommendations in relation to critical soil test phosphorus values derived from the analysis of 55 European long-term field experiments. Agriculture, Ecosystems and Environment, 2022, 332, 107926.	2.5	21
2	Challenges of Smallholder Farming in Ethiopia and Opportunities by Adopting Climate-Smart Agriculture. Agriculture (Switzerland), 2021, 11, 192.	1.4	96
3	Mixed cropping of maize or sorghum with legumes as affected by long-term phosphorus management. Field Crops Research, 2021, 265, 108120.	2.3	10
4	Root-System Architectures of Two Cuban Rice Cultivars with Salt Stress at Early Development Stages. Plants, 2021, 10, 1194.	1.6	4
5	Combination of Compost and Mineral Fertilizers as an Option for Enhancing Maize (Zea mays L.) Yields and Mitigating Greenhouse Gas Emissions from a Nitisol in Ethiopia. Agronomy, 2021, 11, 2097.	1.3	8
6	Impact of the Legume Catch Crop Serradella on Subsequent Growth and P Mobilization under Barley in Different Fertilization Treatments. Agronomy, 2021, 11, 2437.	1.3	3
7	An inoculum-dependent culturing strategy (IDC) for the cultivation of environmental microbiomes and the isolation of novel endophytic Actinobacteria. Journal of Antibiotics, 2020, 73, 66-71.	1.0	10
8	Oat (Avena sativa L.) supplemented with fenugreek (Trigonella foenum-graecum L.) as a potential alternative for teff [Eragrostis tef (Zucc.) Trotter] for human nutrition in Ethiopia. Communications in Soil Science and Plant Analysis, 2020, 51, 2846-2857.	0.6	1
9	Long-term phosphorus supply with undigested and digested slurries and their agronomic effects under field conditions. Biomass and Bioenergy, 2020, 139, 105665.	2.9	7
10	Aspegillus terreus: From Soil to Industry and Back. Microorganisms, 2020, 8, 1655.	1.6	11
11	Mixed Cropping as Affected by Phosphorus and Water Supply. Agronomy, 2020, 10, 1506.	1.3	5
12	Effect of triple superphosphate and biowaste compost on mycorrhizal colonization and enzymatic P mobilization under maize in a longâ€term field experiment. Journal of Plant Nutrition and Soil Science, 2019, 182, 167-174.	1.1	10
13	Soil test phosphorus as affected by phosphorus budgets in two long-term field experiments in Germany. Field Crops Research, 2018, 218, 158-170.	2.3	54
14	Phosphorus stocks and speciation in soil profiles of a long-term fertilizer experiment: Evidence from sequential fractionation, P K-edge XANES, and 31P NMR spectroscopy. Geoderma, 2018, 316, 115-126.	2.3	87
15	Re-evaluation of the yield response to phosphorus fertilization based on meta-analyses of long-term field experiments. Ambio, 2018, 47, 50-61.	2.8	42
16	Handling the phosphorus paradox in agriculture and natural ecosystems: Scarcity, necessity, and burden of P. Ambio, 2018, 47, 3-19.	2.8	64
17	Combined effects of biochar and fertilizer application on maize production in dependence on the cultivation method in a sub-humid climate. Communications in Soil Science and Plant Analysis, 2018, 49, 2905-2917.	0.6	6
18	Long-term negative phosphorus budgets in organic crop rotations deplete plant-available phosphorus from soil. Agronomy for Sustainable Development, 2017, 37, 1.	2.2	22

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19	Production of a potential liquid plant bio-stimulant by immobilized Piriformospora indica in repeated-batch fermentation process. AMB Express, 2017, 7, 106.	1.4	26
20	Recycled Products from Municipal Wastewater: Composition and Effects on Phosphorus Mobility in a Sandy Soil. Journal of Environmental Quality, 2017, 46, 443-451.	1.0	17
21	Combining global sensitivity analysis and multiobjective optimisation to estimate soil hydraulic properties and representations of various sole and mixed crops for the agro-hydrological SWAP model. Environmental Earth Sciences, 2017, 76, 1.	1.3	7
22	Phosphorus distribution and availability in untreated and mechanically separated biogas digestates. Scientia Agricola, 2016, 73, 9-17.	0.6	53
23	Inoculation with Native Bradyrhizobia Strains Improved Growth of Cowpea Plants Cultivated on a Saline Soil. Communications in Soil Science and Plant Analysis, 2016, 47, 2218-2224.	0.6	8
24	Biodiesel by-products and P-solubilizing microorganisms. Reviews in Environmental Science and Biotechnology, 2016, 15, 627-638.	3.9	4
25	Management Options for an Efficient Utilization of Phosphorus in Agroecosystems. , 2016, , 179-193.		2
26	Biogas digestates affect crop P uptake and soil microbial community composition. Science of the Total Environment, 2016, 542, 1144-1154.	3.9	46
27	Unexploited potential of some biotechnological techniques for biofertilizer production and formulation. Applied Microbiology and Biotechnology, 2015, 99, 4983-4996.	1.7	143
28	Phosphorus application with recycled products from municipal waste water to different crop species. Ecological Engineering, 2015, 83, 466-475.	1.6	54
29	Impact of Organic Amendments on the Suppression of Fusarium Wilt. Soil Biology, 2015, , 353-362.	0.6	7
30	Organic and inorganic phosphorus forms in soil as affected by long-term application of organic amendments. Nutrient Cycling in Agroecosystems, 2014, 100, 245-255.	1.1	53
31	Phosphorus availability and soil microbial activity in a 3 year field experiment amended with digested dairy slurry. Biomass and Bioenergy, 2014, 70, 429-439.	2.9	59
32	Organic and Inorganic P Sources Interacting with Applied Rhizosphere Bacteria and Their Effects on Growth and P Supply of Maize. Communications in Soil Science and Plant Analysis, 2013, 44, 3205-3215.	0.6	10
33	Animal Bone Char Solubilization with Itaconic Acid Produced by Free and Immobilized Aspergillus terreus Grown on Glycerol-Based Medium. Applied Biochemistry and Biotechnology, 2012, 168, 1311-1318.	1.4	21
34	Stress-tolerant P-solubilizing microorganisms. Applied Microbiology and Biotechnology, 2012, 95, 851-859.	1.7	63
35	Animal Bones Char Solubilization by Gel-EntrappedYarrowia lipolyticaon Glycerol-Based Media. Scientific World Journal, The, 2012, 2012, 1-5.	0.8	7
36	Codigested dairy slurry as a phosphorus and nitrogen source for Zea mays L. and Amaranthus cruentus L.. Journal of Plant Nutrition and Soil Science, 2011, 174, 908-915.	1.1	62

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37	Interactive effects of plant growthâ€“promoting rhizobacteria and organic fertilization on P nutrition of Zea mays L. and Brassica napus L.. Journal of Plant Nutrition and Soil Science, 2011, 174, 602-613.	1.1	35
38	Phosphorus Fertilizing Effects of Biomass Ashes. , 2011, , 17-31.		17
39	Biomass ashes and their phosphorus fertilizing effect on different crops. Nutrient Cycling in Agroecosystems, 2010, 87, 471-482.	1.1	94
40	Soil Phosphorus Pools as Affected by Application of Poultry Litter Ash in Combination with Catch Crop Cultivation. Communications in Soil Science and Plant Analysis, 2010, 41, 1098-1111.	0.6	14
41	Improvement of Soil Phosphorus Availability by Green Fertilization with Catch Crops. Communications in Soil Science and Plant Analysis, 2009, 40, 70-81.	0.6	14
42	Effect of Catch Cropping on Phosphorus Bioavailability in Comparison to Organic and Inorganic Fertilization. Journal of Plant Nutrition, 2008, 31, 659-676.	0.9	55
43	Effect of organic, inorganic, and combined organic and inorganic P fertilization on plant P uptake and soil P pools. Journal of Plant Nutrition and Soil Science, 2007, 170, 623-628.	1.1	55
44	Fertilizer Management Strategy to Reduce Global Warming Potential and Improve Soil Fertility in a Nitisol in Southwestern Ethiopia. , 0, , .		1