D S MÃ¼ller-StÃ¶ver

List of Publications by Year
in descending order

54 papers	1,855 citations	279701 23 h-index	276775 41 g-index
55 all docs	55 docs citations	55 times ranked	2107 citing authors

#	Article	IF	Citations
1	Ash and biochar amendment of coarse sandy soil for growing crops under drought conditions. Soil Use and Management, 2022, 38, 1280-1292.	2.6	11
2	Considering inorganic P binding in bio-based products improves prediction of their P fertiliser value. Science of the Total Environment, 2022, 836, 155590.	3.9	2
3	Nutrient interactions and salinity effects on plant uptake of phosphorus from waste-based fertilisers. Geoderma, 2022, 422, 115939.	2.3	2
4	Impacts of empty fruit bunch applications on soil organic carbon in an industrial oil palm plantation. Journal of Environmental Management, 2022, 317, 115373.	3.8	5
5	Biochar modifies the content of primary metabolites in the rhizosphere of well-watered and drought-stressed Zea mays L. (maize). Biology and Fertility of Soils, 2022, 58, 633-647.	2.3	14
6	Phosphateâ€solubilising microorganisms for improved crop productivity: a critical assessment. New Phytologist, 2021, 229, 1268-1277.	3.5	98
7	Increasing plant phosphorus availability in thermally treated sewage sludge by post-process oxidation and particle size management. Waste Management, 2021, 120, 716-724.	3.7	16
8	Evaluation of Biochar Postâ€Process Treatments to Produce Soil Enhancers and Phosphorus Fertilizers at a Single Plant. Waste and Biomass Valorization, 2021, 12, 5517-5532.	1.8	5
9	Acidified Animal Manure Products Combined with a Nitrification Inhibitor Can Serve as a Starter Fertilizer for Maize. Agronomy, 2020, 10, 1941.	1.3	12
10	Biotic strategies to increase plant availability of sewage sludge ash phosphorus. Journal of Plant Nutrition and Soil Science, 2019, 182, 175-186.	1.1	6
11	Biochar properties and soil type drive the uptake of macroâ€•and micronutrients in maize (<i>Zea mays) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	25
12	Fertilising effect of sewage sludge ash inoculated with the phosphate-solubilising fungus Penicillium bilaiae under semi-field conditions. Biology and Fertility of Soils, 2019, 55, 43-51.	2.3	10
13	Contrasting effects of biochar on phosphorus dynamics and bioavailability in different soil types. Science of the Total Environment, 2018, 627, 963-974.	3.9	113
14	Phosphorus bioavailability in ash from straw and sewage sludge processed by lowâ€temperature biomass gasification. Soil Use and Management, 2018, 34, 9-17.	2.6	13
15	Augmentation of the phosphorus fertilizer value of biochar by inoculation of wheat with selected Penicillium strains. Soil Biology and Biochemistry, 2018, 116, 139-147.	4.2	50
16	Use of Penicillium bilaiae to improve phosphorus bioavailability of thermally treated sewage sludge â€" A potential novel type biofertiliser. Process Biochemistry, 2018, 69, 169-177.	1.8	13
17	Enhancing the phosphorus bioavailability of thermally converted sewage sludge by phosphate-solubilising fungi. Ecological Engineering, 2018, 120, 44-53.	1.6	13
18	Survival and phosphate solubilisation activity of desiccated formulations of Penicillium bilaiae and Aspergillus niger influenced by water activity. Journal of Microbiological Methods, 2018, 150, 39-46.	0.7	2

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19	Effect of different biochars on phosphorus (P) dynamics in the rhizosphere of Zea mays L. (maize). Plant and Soil, 2018, 431, 257-272.	1.8	44
20	Changes imposed by pyrolysis, thermal gasification and incineration on composition and phosphorus fertilizer quality of municipal sewage sludge. Journal of Environmental Management, 2017, 198, 308-318.	3.8	84
21	Low temperature circulating fluidized bed gasification and co-gasification of municipal sewage sludge. Part 2: Evaluation of ash materials as phosphorus fertilizer. Waste Management, 2017, 66, 145-154.	3.7	28
22	Evaluation of phosphorus in thermally converted sewage sludge: P pools and availability to wheat. Plant and Soil, 2017, 418, 307-317.	1.8	40
23	The effects of straw or straw-derived gasification biochar applications on soil quality and crop productivity: A farm case study. Journal of Environmental Management, 2017, 186, 88-95.	3.8	55
24	Plant Availability of Phosphorus in Five Gasification Biochars. Frontiers in Sustainable Food Systems, 2017, 1, .	1.8	9
25	Effects of gasification biochar on plant-available water capacity and plant growth in two contrasting soil types. Soil and Tillage Research, 2016, 161, 1-9.	2.6	107
26	Anaerobic co-digestion of perennials: Methane potential and digestate nitrogen fertilizer value. Journal of Plant Nutrition and Soil Science, 2016, 179, 696-704.	1.1	12
27	Contribution of the seed microbiome to weed management. Weed Research, 2016, 56, 335-339.	0.8	20
28	The effect of straw and wood gasification biochar on carbon sequestration, selected soil fertility indicators and functional groups in soil: An incubation study. Geoderma, 2016, 269, 99-107.	2.3	122
29	Gasification biochar as a valuable by-product for carbon sequestration and soil amendment. Biomass and Bioenergy, 2015, 72, 300-308.	2.9	157
30	Short-Term Effect of Feedstock and Pyrolysis Temperature on Biochar Characteristics, Soil and Crop Response in Temperate Soils. Agronomy, 2014, 4, 52-73.	1.3	41
31	Soil application of ash produced by low-temperature fluidized bed gasification: effects on soil nutrient dynamics and crop response. Nutrient Cycling in Agroecosystems, 2012, 94, 193-207.	1.1	37
32	Microbial biomass, microbial diversity, soil carbon storage, and stability after incubation of soil from grassâ€“clover pastures of different age. Biology and Fertility of Soils, 2012, 48, 371-383.	2.3	23
33	Application of biochar to soil and N2O emissions: potential effects of blending fast-pyrolysis biochar with anaerobically digested slurry. European Journal of Soil Science, 2011, 62, 581-589.	1.8	150
34	A novel strain of <i>Fusarium oxysporum</i> from Germany and its potential for biocontrol of <i>Orobanche ramosa</i>. Weed Research, 2009, 49, 175-182.	0.8	15
35	Impact of <i>Fusarium oxysporum</i> on the holoparasitic weed <i>Phelipanche ramosa</i>: biocontrol efficacy under fieldâ€grown conditions. Weed Research, 2009, 49, 56-65.	0.8	24
36	â€œPestaâ€• and alginate delivery systems of Fusarium spp. for biological control of Striga hermonthica (Del.) Benth. under Sudanese field conditions. Biological Control, 2008, 44, 160-168.	1.4	17

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37	Granular formulations and seed coating: delivery options for two fungal biological control agents of Striga hermonthica. Journal of Plant Diseases and Protection, 2008, 115, 178-185.	1.6	5
38	A commercial iron fertilizer increases the survival of<i>Fusarium oxysporum</i>f. sp.<i>orthoceras</i>propagules in a wheat flour-kaolin formulation. Biocontrol Science and Technology, 2007, 17, 597-604.	0.5	8
39	Main effects and interactions among acibenzolar-S-methyl, a biocontrol fungus and sunflower cultivar on control of Orobanche cumana Wallr.. Journal of Plant Diseases and Protection, 2007, 114, 76-81.	1.6	4
40	The role of biological control in managing parasitic weeds. Crop Protection, 2007, 26, 246-254.	1.0	67
41	Increasing control reliability of Orobanche cumana through integration of a biocontrol agent with a resistance-inducing chemical. European Journal of Plant Pathology, 2005, 111, 193-202.	0.8	23
42	The potential of Ulocladium botrytis for biological control of Orobanche spp.. Biological Control, 2005, 33, 301-306.	1.4	29
43	Two granular formulations of Fusarium oxysporum f.sp. orthoceras to mitigate sunflower broomrape Orobanche cumana. BioControl, 2004, 49, 595-602.	0.9	28
44	Optimization of storage conditions for adequate shelf-life of â€˜pestaâ€™ formulation ofFusarium oxysporumâ€˜foxy 2â€™, a potential mycoherbicide forStriga: Effects of temperature, granule size and water activity. Biocontrol Science and Technology, 2004, 14, 545-559.	0.5	28
45	Biological Control of Root Parasitic Weeds with Plant Pathogens. , 2004, , 423-438.		6
46	Effects of inoculum type and propagule concentration on shelf life of Pesta formulations containing Fusarium oxysporum Foxy 2, a potential mycoherbicide agent for Striga spp.. Biological Control, 2004, 30, 203-211.	1.4	24
47	Granular Pesta formulation of Fusarium oxysporum f. sp. orthoceras for biological control of sunflower broomrape: efficacy and shelf-life. Biological Control, 2003, 26, 189-201.	1.4	61
48	Title is missing!. European Journal of Plant Pathology, 2002, 108, 221-228.	0.8	16
49	Recent advances in the biocontrol of Orobanche (broomrape) species. BioControl, 2001, 46, 211-228.	0.9	50
50	Application of control methods. , 2001, , 77-157.		0
51	Fungi of Orobanche aegyptiaca in Nepal with Potential as Biological Control Agents. Biocontrol Science and Technology, 1999, 9, 379-381.	0.5	18
52	Fusarium oxysporumf. sp.orthoceras, a Potential Mycoherbicide, Parasitizes Seeds ofOrobanche cumana(Sunflower Broomrape): a Cytological Study. Annals of Botany, 1999, 83, 453-458.	1.4	48
53	The Potential ofFusarium oxysporumf.sp.orthocerasas a Biological Control Agent forOrobanche cumanain Sunflower. Biological Control, 1998, 13, 41-48.	1.4	40
54	Application of natural antagonists including arthropods to resist weedy Striga (Oranbanchaceae) in tropical agroecosystems. , 0, , 423-437.		2