Kristin M Trippe

List of Publications by Citations

39 papers	877 citations	12 h-index	29 g-index
42 ext. papers	1,059 ext. citations	4.7 avg, IF	3.78 L-index

#	Paper	IF	Citations
39	The Ascomycota tree of life: a phylum-wide phylogeny clarifies the origin and evolution of fundamental reproductive and ecological traits. *Systematic Biology*, **2009**, 58, 224-39	8.4	480
38	Remediation of an acidic mine spoil: Miscanthus biochar and lime amendment affects metal availability, plant growth, and soil enzyme activity. *Chemosphere*, **2018**, 205, 709-718	8.4	65
37	Soil Health, Crop Productivity, Microbial Transport, and Mine Spoil Response to Biochars. *Bioenergy Research*, **2016**, 9, 454-464	3.1	43
36	Metabolism and cometabolism of cyclic ethers by a filamentous fungus, a Graphium sp. *Applied and Environmental Microbiology*, **2009**, 75, 5514-22	4.8	43
35	Biochar Surface Oxygenation by Ozonization for Super High Cation Exchange Capacity. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16410-16418	8.3	25
34	Pseudomonas fluorescens SBW25 produces furanomycin, a non-proteinogenic amino acid with selective antimicrobial properties. *BMC Microbiology*, **2013**, 13, 111	4.5	25
33	Can biochar conserve water in Oregon agricultural soils?. *Soil and Tillage Research*, **2020**, 198, 104525	6.5	17
32	Changes in Soil Chemistry following Wood and Grass Biochar Amendments to an Acidic Agricultural Production Soil. *Agronomy Journal*, **2015**, 107, 1440-1446	2.2	15
31	Potential carbon storage in biochar made from logging residue: Basic principles and Southern Oregon case studies. *PLoS ONE*, **2018**, 13, e0203475	3.7	15
30	RNAi silencing of a cytochrome P450 monoxygenase disrupts the ability of a filamentous fungus, Graphium sp., to grow on short-chain gaseous alkanes and ethers. *Biodegradation*, **2014**, 25, 137-51	4.1	13
29	Gasified Grass and Wood Biochars Facilitate Plant Establishment in Acid Mine Soils. *Journal of Environmental Quality*, **2016**, 45, 1013-20	3.4	12
28	Pathway, inhibition and regulation of methyl tertiary butyl ether oxidation in a filamentous fungus, Graphium sp. *Applied Microbiology and Biotechnology*, **2008**, 77, 1359-65	5.7	12
27	Can biochar link forest restoration with commercial agriculture?. *Biomass and Bioenergy*, **2019**, 123, 175-185	5.8	11
26	Physical feasibility of biochar production and utilization at a farm-scale: A case-study in non-irrigated seed production. *Biomass and Bioenergy*, **2018**, 108, 244-251	5.3	10
25	Phytostabilization of acidic mine tailings with biochar, biosolids, lime, and locally-sourced microbial inoculum: Do amendment mixtures influence plant growth, tailing chemistry, and microbial composition?. *Applied Soil Ecology*, **2021**, 165, 103962	5	10
24	Negative regulation of germination-arrest factor production in Pseudomonas fluorescens WH6 by a putative extracytoplasmic function sigma factor. *Microbiology (United Kingdom)*, **2014**, 160, 2432-2442	2.9	9
23	Functional analysis of a biosynthetic cluster essential for production of 4-formylaminooxyvinylglycine, a germination-arrest factor from Pseudomonas fluorescens WH6. *Microbiology (United Kingdom)*, **2017**, 163, 207-217	2.9	9

22	An examination of the role of biochar and biochar water-extractable substances on the sorption of ionizable herbicides in rice paddy soils. *Science of the Total Environment*, **2020**, 706, 135682	10.2	9
21	Is biochar applied as surface mulch beneficial for grassland restoration?. *Geoderma*, **2020**, 375, 114457	6.7	8
20	Resistance to Two Vinylglycine Antibiotic Analogs Is Conferred by Inactivation of Two Separate Amino Acid Transporters in. *Journal of Bacteriology*, **2019**, 201,	3.5	6
19	Detection of 4-formylaminooxyvinylglycine in culture filtrates of Pseudomonas fluorescens WH6 and Pantoea ananatis BRT175 by laser ablation electrospray ionization-mass spectrometry. *PLoS ONE*, **2018**, 13, e0200481	3.7	6
18	Amending Sandy Soil with Biochar Promotes Plant Growth and Root Colonization by Mycorrhizal Fungi in Highbush Blueberry. *Hortscience: A Publication of the American Society for Hortcultural Science*, **2020**, 55, 353-361	2.4	5
17	Spatial methods for deriving crop rotation history. *International Journal of Applied Earth Observation and Geoinformation*, **2017**, 60, 22-37	7.3	4
16	Influence of Nitrogen Fertility Practices on Hop Cone Quality. *Journal of the American Society of Brewing Chemists*, **2019**, 77, 199-209	1.9	4
15	Biochars Derived from Gasified Feedstocks Increase the Growth and Improve Nutrient Acquisition of Triticum aestivum (L.) Grown in Agricultural Alfisols. *Agriculture (Switzerland)*, **2015**, 5, 668-681	3	4
14	Draft Genome Sequences of Seven 4-Formylaminooxyvinylglycine Producers Belonging to the Species Complex. *Genome Announcements*, **2017**, 5,		3
13	Remote Sensing of Perennial Crop Stand Duration and Pre-Crop Identification. *Agronomy Journal*, **2016**, 108, 2339-2354	2.2	3
12	Preliminary evaluation of a decision support tool for biochar amendment. *Biochar*, **2020**, 2, 93-105	10	2
11	Unexpected distribution of the 4-formylaminooxyvinylglycine (FVG) biosynthetic pathway in Pseudomonas and beyond. *PLoS ONE*, **2021**, 16, e0247348	3.7	2
10	Microbial response to designer biochar and compost treatments for mining impacted soils.. *Biochar*, **2021**, 3, 299-314	10	2
9	Manipulating rangeland soil microclimate with juniper biochar for improved native seedling establishment. *Soil Science Society of America Journal*, **2021**, 85, 847-861	2.5	2
8	Biochar as an Alternative Soil Amendment for Establishment of Northern Highbush Blueberry. *Hortscience: A Publication of the American Society for Hortcultural Science*, **2022**, 57, 277-285	2.4	1
7	Biochar addition to vineyard soils: effects on soil functions, grape yield and wine quality. *Biochar*,1	10	1
6	Can locally sourced inoculum and biochar synergistically improve the establishment of mycorrhizal fungi in mine tailings?. *Restoration Ecology*,e13518	3.1	0
5	Towards predicting biochar impacts on plant-available soil nitrogen content. *Biochar*, **2022**, 4, 1	10	0

4	Correction: Pseudomonas sfluorescens SBW25 produces furanomycin, a non-proteinogenic amino acid with selective antimicrobial properties. *BMC Microbiology*, **2013**, 13, 263	4.5
3	Agricultural Crop Change in the Willamette Valley, Oregon, from 2004 to 2017. *Data*, **2021**, 6, 17	2.3
2	Creating a Biochar Roadmap. *CSA News*, **2018**, 63, 24-25	0.1
1	Development of a Pacific Northwest Biochar Atlas: Translating biochar study results into usable grower information. *Crops & Soils*, **2018**, 51, 24-27	0.3