

Ute Hamer

List of Publications by Year in descending order

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46
papers

3,688
citations

236925

25
h-index

214800

47
g-index

47
all docs

47
docs citations

47
times ranked

5559
citing authors

#	ARTICLE	IF	CITATIONS
1	How relevant is recalcitrance for the stabilization of organic matter in soils?. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 91-110.	1.9	586
2	Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. <i>Frontiers in Microbiology</i> , 2016, 7, 214.	3.5	479
3	Interactive priming of black carbon and glucose mineralisation. <i>Organic Geochemistry</i> , 2004, 35, 823-830.	1.8	475
4	Priming effects in different soil types induced by fructose, alanine, oxalic acid and catechol additions. <i>Soil Biology and Biochemistry</i> , 2005, 37, 445-454.	8.8	240
5	Soil biodiversity, biological indicators and soil ecosystem services—an overview of European approaches. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 529-538.	6.3	213
6	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	8.0	177
7	Priming effects in soils after combined and repeated substrate additions. <i>Geoderma</i> , 2005, 128, 38-51.	5.1	128
8	Priming effects of sugars, amino acids, organic acids and catechol on the mineralization of lignin and peat. <i>Journal of Plant Nutrition and Soil Science</i> , 2002, 165, 261-268.	1.9	112
9	Microbial community structure and resource availability drive the catalytic efficiency of soil enzymes under land-use change conditions. <i>Soil Biology and Biochemistry</i> , 2015, 89, 226-237.	8.8	102
10	Afforestation or intense pasturing improve the ecological and economic value of abandoned tropical farmlands. <i>Nature Communications</i> , 2014, 5, 5612.	12.8	89
11	Soil quality degradation processes along a deforestation chronosequence in the Ziwuling area, China. <i>Catena</i> , 2008, 75, 248-256.	5.0	87
12	Land-use and soil depth affect resource and microbial stoichiometry in a tropical mountain rainforest region of southern Ecuador. <i>Oecologia</i> , 2014, 175, 375-393.	2.0	87
13	Compositional diversity of rehabilitated tropical lands supports multiple ecosystem services and buffers uncertainties. <i>Nature Communications</i> , 2016, 7, 11877.	12.8	77
14	Impact of litter quality on mineralization processes in managed and abandoned pasture soils in Southern Ecuador. <i>Soil Biology and Biochemistry</i> , 2010, 42, 56-64.	8.8	75
15	Priming effects in soil size fractions of a podzol Bs horizon after addition of fructose and alanine. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 551-559.	1.9	50
16	Land-use change in a tropical mountain rainforest region of southern Ecuador affects soil microorganisms and nutrient cycling. <i>Biogeochemistry</i> , 2012, 111, 151-167.	3.5	49
17	Urea fertilisation affected soil organic matter dynamics and microbial community structure in pasture soils of Southern Ecuador. <i>Applied Soil Ecology</i> , 2009, 43, 226-233.	4.3	48
18	Effect of temperature, pH and total organic carbon variations on microbial turnover of ¹³ C/ ¹⁵ N-glyphosate in agricultural soil. <i>Science of the Total Environment</i> , 2019, 658, 697-707.	8.0	42

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19	Impact of air-drying and rewetting on PLFA profiles of soil microbial communities. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 259-264.	1.9	37
20	Extracellular enzyme activities in a tropical mountain rainforest region of southern Ecuador affected by low soil P status and land-use change. <i>Applied Soil Ecology</i> , 2014, 74, 1-11.	4.3	37
21	Accounting for multiple ecosystem services in a simulation of land-use decisions: Does it reduce tropical deforestation?. <i>Global Change Biology</i> , 2020, 26, 2403-2420.	9.5	37
22	Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. <i>Global Change Biology</i> , 2018, 24, 2828-2840.	9.5	35
23	Nutrient stocks and phosphorus fractions in mountain soils of Southern Ecuador after conversion of forest to pasture. <i>Biogeochemistry</i> , 2013, 112, 495-510.	3.5	33
24	Contribution of the soil seed bank to the restoration of temperate grasslands by mechanical sward disturbance. <i>Restoration Ecology</i> , 2018, 26, S114.	2.9	32
25	Cutin and suberin biomarkers as tracers for the turnover of shoot and root derived organic matter along a chronosequence of Ecuadorian pasture soils. <i>European Journal of Soil Science</i> , 2012, 63, 808-819.	3.9	27
26	Above- and belowground linkages of a nitrogen and phosphorus co-limited tropical mountain pasture system – responses to nutrient enrichment. <i>Plant and Soil</i> , 2015, 391, 333-352.	3.7	27
27	Soil organic matter and microbial community structure in set-aside and intensively managed arable soils in NE-Saxony, Germany. <i>Applied Soil Ecology</i> , 2008, 40, 465-475.	4.3	25
28	Biodegradation of Hydrogels from Oxyethylated Lignins in Model Soils. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1955-1964.	6.7	25
29	Effects of mowing, grazing and fertilization on soil seed banks in temperate grasslands in Central Europe. <i>Agriculture, Ecosystems and Environment</i> , 2018, 256, 211-217.	5.3	25
30	Degradation of glyphosate in a Colombian soil is influenced by temperature, total organic carbon content and pH. <i>Environmental Pollution</i> , 2020, 259, 113767.	7.5	24
31	Rhizosphere soil microbial community structure and microbial activity in set-aside and intensively managed arable land. <i>Plant and Soil</i> , 2009, 316, 57-69.	3.7	22
32	In an Ecuadorian pasture soil the growth of <i>Setaria sphacelata</i> , but not of soil microorganisms, is co-limited by N and P. <i>Applied Soil Ecology</i> , 2012, 62, 103-114.	4.3	21
33	Recovery of ecosystem functions after experimental disturbance in 73 grasslands differing in land-use intensity, plant species richness and community composition. <i>Journal of Ecology</i> , 2019, 107, 2635-2649.	4.0	20
34	Drought boosts risk of nitrate leaching from grassland fertilisation. <i>Science of the Total Environment</i> , 2020, 726, 137877.	8.0	20
35	Restoration of plant diversity in permanent grassland by seeding: Assessing the limiting factors along land-use gradients. <i>Journal of Applied Ecology</i> , 2021, 58, 1681-1692.	4.0	19
36	Microbial community composition and glyphosate degraders of two soils under the influence of temperature, total organic carbon and pH. <i>Environmental Pollution</i> , 2022, 297, 118790.	7.5	16

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37	Microbial activity and community structure in degraded soils on the Loess Plateau of China. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 118-126.	1.9	14
38	Land-use intensity shapes kinetics of extracellular enzymes in rhizosphere soil of agricultural grassland plant species. <i>Plant and Soil</i> , 2019, 437, 215-239.	3.7	14
39	Restoration of calcareous grasslands: The early successional stage promotes biodiversity. <i>Ecological Engineering</i> , 2020, 151, 105858.	3.6	13
40	And the winner is â€¦! A test of simple predictors of plant species richness in agricultural grasslands. <i>Ecological Indicators</i> , 2018, 87, 296-301.	6.3	12
41	Forest Site Classification in the Southern Andean Region of Ecuador: A Case Study of Pine Plantations to Collect a Base of Soil Attributes. <i>Forests</i> , 2017, 8, 473.	2.1	10
42	Nutrient dynamics in an Andean forest region: a case study of exotic and native species plantations in southern Ecuador. <i>New Forests</i> , 2020, 51, 313-334.	1.7	8
43	Soil microbial biomass and enzyme kinetics for the assessment of temporal diversification in agroecosystems. <i>Basic and Applied Ecology</i> , 2021, 53, 143-153.	2.7	7
44	Enzyme kinetics inform about mechanistic changes in tea litter decomposition across gradients in land-use intensity in Central German grasslands. <i>Science of the Total Environment</i> , 2022, 836, 155748.	8.0	4
45	Nutrient Additions Affecting Matter Turnover in Forest and Pasture Ecosystems. <i>Ecological Studies</i> , 2013, , 297-313.	1.2	3
46	Future Provisioning Services: Repasturisation of Abandoned Pastures, Problems, and Pasture Management. <i>Ecological Studies</i> , 2013, , 355-370.	1.2	3