

Mariet M Hefting

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

4,996
citations

136740

32
h-index

123241

61
g-index

64
all docs

64
docs citations

64
times ranked

7086
citing authors

#	ARTICLE	IF	CITATIONS
1	Stem Trait Spectra Underpin Multiple Functions of Temperate Tree Species. <i>Frontiers in Plant Science</i> , 2022, 13, 769551.	1.7	9
2	Stem traits, compartments and tree species affect fungal communities on decaying wood. <i>Environmental Microbiology</i> , 2022, 24, 3625-3639.	1.8	4
3	Considering inner and outer bark as distinctive tissues helps to disentangle the effects of bark traits on decomposition. <i>Journal of Ecology</i> , 2022, 110, 2359-2373.	1.9	1
4	Fauna Community Convergence During Decomposition of Deadwood Across Tree Species and Forests. <i>Ecosystems</i> , 2021, 24, 926-938.	1.6	12
5	Dead wood diversity promotes fungal diversity. <i>Oikos</i> , 2021, 130, 2202-2216.	1.2	20
6	Fast and furious: Early differences in growth rate drive short-term plant dominance and exclusion under eutrophication. <i>Ecology and Evolution</i> , 2020, 10, 10116-10129.	0.8	5
7	Methodology matters for comparing coarse wood and bark decay rates across tree species. <i>Methods in Ecology and Evolution</i> , 2020, 11, 828-838.	2.2	14
8	Anammox and denitrification separately dominate microbial N-loss in water saturated and unsaturated soils horizons of riparian zones. <i>Water Research</i> , 2019, 162, 139-150.	5.3	78
9	SRU _D : A simple non-destructive method for accurate quantification of plant diversity dynamics. <i>Journal of Ecology</i> , 2019, 107, 2155-2166.	1.9	9
10	Combining tree species and decay stages to increase invertebrate diversity in dead wood. <i>Forest Ecology and Management</i> , 2019, 441, 80-88.	1.4	33
11	Alternative transient states and slow plant community responses after changed flooding regimes. <i>Global Change Biology</i> , 2019, 25, 1358-1367.	4.2	19
12	Is there a tree economics spectrum of decomposability?. <i>Soil Biology and Biochemistry</i> , 2018, 119, 135-142.	4.2	25
13	Numerical Relationships Between Archaeal and Bacterial amoA Genes Vary by Icelandic Andosol Classes. <i>Microbial Ecology</i> , 2018, 75, 204-215.	1.4	4
14	The relative contribution of peat compaction and oxidation to subsidence in built-up areas in the Rhine-Meuse delta, The Netherlands. <i>Science of the Total Environment</i> , 2018, 636, 177-191.	3.9	28
15	Nitrogen effects on plant species richness in herbaceous communities are more widespread and stronger than those of phosphorus. <i>Biological Conservation</i> , 2017, 212, 390-397.	1.9	114
16	Soil warming and fertilization altered rates of nitrogen transformation processes and selected for adapted ammonia-oxidizing archaea in sub-arctic grassland soil. <i>Soil Biology and Biochemistry</i> , 2017, 107, 114-124.	4.2	24
17	Diverse fen plant communities enhance carbon-related multifunctionality, but do not mitigate negative effects of drought. <i>Royal Society Open Science</i> , 2017, 4, 170449.	1.1	23
18	Faunal community consequence of interspecific bark trait dissimilarity in early-stage decomposing logs. <i>Functional Ecology</i> , 2016, 30, 1957-1966.	1.7	31

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19	Tamm Review: Sequestration of carbon from coarse woody debris in forest soils. <i>Forest Ecology and Management</i> , 2016, 377, 1-15.	1.4	101
20	Peat origin and land use effects on microbial activity, respiration dynamics and exo-enzyme activities in drained peat soils in the Netherlands. <i>Soil Biology and Biochemistry</i> , 2016, 95, 144-155.	4.2	39
21	The (w)hole story: Facilitation of dead wood fauna by bark beetles?. <i>Soil Biology and Biochemistry</i> , 2016, 95, 70-77.	4.2	28
22	Ubiquitous anaerobic ammonium oxidation in inland waters of China: an overlooked nitrous oxide mitigation process. <i>Scientific Reports</i> , 2015, 5, 17306.	1.6	47
23	Ammonia-limited conditions cause of Thaumarchaeal dominance in volcanic grassland soil. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	1.3	29
24	Effects of nutrient enrichment on mangrove leaf litter decomposition. <i>Science of the Total Environment</i> , 2015, 508, 402-410.	3.9	55
25	Short- and long-term effects of nutrient enrichment on microbial exoenzyme activity in mangrove peat. <i>Soil Biology and Biochemistry</i> , 2015, 81, 38-47.	4.2	55
26	Nutrient release characteristics from droppings of grass-foraging waterfowl (<i>Anser</i>). <i>Overlock</i> 10 Tf 50 462	1.1	8
27	The effects of salinization on aerobic and anaerobic decomposition and mineralization in peat meadows: The roles of peat type and land use. <i>Journal of Environmental Management</i> , 2014, 143, 44-53.	3.8	26
28	Interactions between Thaumarchaea, <i>Nitrospira</i> and methanotrophs modulate autotrophic nitrification in volcanic grassland soil. <i>ISME Journal</i> , 2014, 8, 2397-2410.	4.4	121
29	Short period of oxygenation releases latch on peat decomposition. <i>Science of the Total Environment</i> , 2014, 481, 61-68.	3.9	48
30	Snow cover manipulation effects on microbial community structure and soil chemistry in a mountain bog. <i>Plant and Soil</i> , 2013, 369, 151-164.	1.8	31
31	Tea Bag Index: a novel approach to collect uniform decomposition data across ecosystems. <i>Methods in Ecology and Evolution</i> , 2013, 4, 1070-1075.	2.2	359
32	Rewetting Drained Peat Meadows: Risks and Benefits in Terms of Nutrient Release and Greenhouse Gas Exchange. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	29
33	Hotspots of anaerobic ammonium oxidation at land-freshwater interfaces. <i>Nature Geoscience</i> , 2013, 6, 103-107.	5.4	260
34	Wetlands in agricultural landscapes for nitrogen attenuation and biodiversity enhancement: Opportunities and limitations. <i>Ecological Engineering</i> , 2013, 56, 5-13.	1.6	66
35	Nutrient amendment does not increase mineralisation of sequestered carbon during incubation of a nitrogen limited mangrove soil. <i>Soil Biology and Biochemistry</i> , 2013, 57, 822-829.	4.2	51
36	Microbial minorities modulate methane consumption through niche partitioning. <i>ISME Journal</i> , 2013, 7, 2214-2228.	4.4	91

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37	Differential Effects of Oxidised and Reduced Nitrogen on Vegetation and Soil Chemistry of Species-Rich Acidic Grasslands. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	8
38	Global trends and uncertainties in terrestrial denitrification and N ₂ O emissions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130112.	1.8	205
39	Spatial patterns of methanotrophic communities along a hydrological gradient in a riparian wetland. <i>FEMS Microbiology Ecology</i> , 2013, 86, 59-70.	1.3	26
40	Nutrient dynamics, transfer and retention along the aquatic continuum from land to ocean: towards integration of ecological and biogeochemical models. <i>Biogeosciences</i> , 2013, 10, 1-22.	1.3	177
41	Archaeal dominated ammonia-oxidizing communities in Icelandic grassland soils are moderately affected by long-term N fertilization and geothermal heating. <i>Frontiers in Microbiology</i> , 2012, 3, 352.	1.5	36
42	Controls on Coarse Wood Decay in Temperate Tree Species: Birth of the LOGLIFE Experiment. <i>Ambio</i> , 2012, 41, 231-245.	2.8	92
43	Decreased N ₂ O reduction by low soil pH causes high N ₂ O emissions in a riparian ecosystem. <i>Geobiology</i> , 2011, 9, 294-300.	1.1	113
44	Repression of potential nitrification activities by matgrass sward species. <i>Plant and Soil</i> , 2010, 337, 435-445.	1.8	14
45	Nitrification along a grassland gradient: Inhibition found in matgrass swards. <i>Soil Biology and Biochemistry</i> , 2010, 42, 635-641.	4.2	13
46	Nutrient limitation in species-rich Calthion grasslands in relation to opportunities for restoration in a peat meadow landscape. <i>Applied Vegetation Science</i> , 2010, 13, 315-325.	0.9	10
47	Denitrification at pH 4 by a soil-derived <i>Rhodanobacter</i> -dominated community. <i>Environmental Microbiology</i> , 2010, 12, 3264-3271.	1.8	95
48	N ₂ O emission hotspots at different spatial scales and governing factors for small scale hotspots. <i>Science of the Total Environment</i> , 2009, 407, 2325-2332.	3.9	72
49	Patterns of denitrification rates in European alluvial soils under various hydrological regimes. <i>Freshwater Biology</i> , 2007, 52, 252-266.	1.2	126
50	Water quality dynamics and hydrology in nitrate loaded riparian zones in the Netherlands. <i>Environmental Pollution</i> , 2006, 139, 143-156.	3.7	66
51	Regional and global concerns over wetlands and water quality. <i>Trends in Ecology and Evolution</i> , 2006, 21, 96-103.	4.2	637
52	Spatial Variation in Denitrification and N ₂ O Emission in Relation to Nitrate Removal Efficiency in a N-stressed Riparian Buffer Zone. <i>Ecosystems</i> , 2006, 9, 550-563.	1.6	67
53	The role of vegetation and litter in the nitrogen dynamics of riparian buffer zones in Europe. <i>Ecological Engineering</i> , 2005, 24, 465-482.	1.6	186
54	Water table elevation controls on soil nitrogen cycling in riparian wetlands along a European climatic gradient. <i>Biogeochemistry</i> , 2004, 67, 113-134.	1.7	253

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55	Nitrogen Removal by Riparian Buffers along a European Climatic Gradient: Patterns and Factors of Variation. <i>Ecosystems</i> , 2003, 6, 0020-0030.	1.6	214
56	Testing a climato-topographic index for predicting wetlands distribution along an European climate gradient. <i>Ecological Modelling</i> , 2003, 163, 51-71.	1.2	96
57	Nitrous Oxide Emission and Denitrification in Chronically Nitrateâ€Loaded Riparian Buffer Zones. <i>Journal of Environmental Quality</i> , 2003, 32, 1194-1203.	1.0	214
58	Water table fluctuations in the riparian zone: comparative results from a pan-European experiment. <i>Journal of Hydrology</i> , 2002, 265, 129-148.	2.3	148
59	Microbial transformations of C and N in a boreal forest floor as affected by temperature. <i>Plant and Soil</i> , 1999, 208, 187-197.	1.8	28
60	Nitrogen removal in buffer strips along a lowland stream in the Netherlands: a pilot study. <i>Environmental Pollution</i> , 1998, 102, 521-526.	3.7	56
61	Heavy Metal (Copper, Lead, and Zinc) Accumulation and Excretion by the Earthworm, <i>Dendrobaena veneta</i> . <i>Journal of Environmental Quality</i> , 1997, 26, 278-284.	1.0	40
62	The Role of Floodplains in Mitigating Diffuse Nitrate Pollution. , 0, , 253-268.		2