# Mariet M Hefting

List of Publications by Year
in descending order



| 62 | 4,996 | 136950<br>32 | 123424<br>61 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 64 | 64 | 64 | 7086 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Stem Trait Spectra Underpin Multiple Functions of Temperate Tree Species. Frontiers in Plant Science, 2022, 13, 769551. | 3.6 | 9 |
| 2 | Stem traits, compartments and tree species affect fungal communities on decaying wood. Environmental Microbiology, 2022, 24, 3625-3639. | 3.8 | 4 |
| 3 | Considering inner and outer bark as distinctive tissues helps to disentangle the effects of bark traits on decomposition. Journal of Ecology, 2022, 110, 2359-2373. | 4.0 | 1 |
| 4 | Fauna Community Convergence During Decomposition of Deadwood Across Tree Species and Forests. Ecosystems, 2021, 24, 926-938. | 3.4 | 12 |
| 5 | Dead wood diversity promotes fungal diversity. Oikos, 2021, 130, 2202-2216. | 2.7 | 20 |
| 6 | Fast and furious: Early differences in growth rate drive shortâ€term plant dominance and exclusion under eutrophication. Ecology and Evolution, 2020, 10, 10116-10129. | 1.9 | 5 |
| 7 | Methodology matters for comparing coarse wood and bark decay rates across tree species. Methods in Ecology and Evolution, 2020, 11, 828-838. | 5.2 | 14 |
| 8 | Anammox and denitrification separately dominate microbial N-loss in water saturated and unsaturated soils horizons of riparian zones. Water Research, 2019, 162, 139-150. | 11.3 | 78 |
| 9 | SRU<sub>D</sub>: A simple nonâ€destructive method for accurate quantification of plant diversity dynamics. Journal of Ecology, 2019, 107, 2155-2166. | 4.0 | 9 |
| 10 | Combining tree species and decay stages to increase invertebrate diversity in dead wood. Forest Ecology and Management, 2019, 441, 80-88. | 3.2 | 33 |
| 11 | Alternative transient states and slow plant community responses after changed flooding regimes. Global Change Biology, 2019, 25, 1358-1367. | 9.5 | 19 |
| 12 | Is there a tree economics spectrum of decomposability?. Soil Biology and Biochemistry, 2018, 119, 135-142. | 8.8 | 25 |
| 13 | Numerical Relationships Between Archaeal and Bacterial amoA Genes Vary by Icelandic Andosol Classes. Microbial Ecology, 2018, 75, 204-215. | 2.8 | 4 |
| 14 | The relative contribution of peat compaction and oxidation to subsidence in built-up areas in the Rhine-Meuse delta, The Netherlands. Science of the Total Environment, 2018, 636, 177-191. | 8.0 | 28 |
| 15 | Nitrogen effects on plant species richness in herbaceous communities are more widespread and stronger than those of phosphorus. Biological Conservation, 2017, 212, 390-397. | 4.1 | 114 |
| 16 | Soil warming and fertilization altered rates of nitrogen transformation processes and selected for adapted ammonia-oxidizing archaea in sub-arctic grassland soil. Soil Biology and Biochemistry, 2017, 107, 114-124. | 8.8 | 24 |
| 17 | Diverse fen plant communities enhance carbon-related multifunctionality, but do not mitigate negative effects of drought. Royal Society Open Science, 2017, 4, 170449. | 2.4 | 23 |
| 18 | Faunal community consequence of interspecific bark trait dissimilarity in earlyâ€stage decomposing logs. Functional Ecology, 2016, 30, 1957-1966. | 3.6 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Tamm Review: Sequestration of carbon from coarse woody debris in forest soils. Forest Ecology and Management, 2016, 377, 1-15. | 3.2 | 101 |
| 20 | Peat origin and land use effects on microbial activity, respiration dynamics and exo-enzyme activities in drained peat soils in the Netherlands. Soil Biology and Biochemistry, 2016, 95, 144-155. | 8.8 | 39 |
| 21 | The (w)hole story: Facilitation of dead wood fauna by bark beetles?. Soil Biology and Biochemistry, 2016, 95, 70-77. | 8.8 | 28 |
| 22 | Ubiquitous anaerobic ammonium oxidation in inland waters of China: an overlooked nitrous oxide mitigation process. Scientific Reports, 2015, 5, 17306. | 3.3 | 47 |
| 23 | Ammonia-limited conditions cause of Thaumarchaeal dominance in volcanic grassland soil. FEMS Microbiology Ecology, 2015, 91, . | 2.7 | 29 |
| 24 | Effects of nutrient enrichment on mangrove leaf litter decomposition. Science of the Total Environment, 2015, 508, 402-410. | 8.0 | 55 |
| 25 | Short- and long-term effects of nutrient enrichment on microbial exoenzyme activity in mangrove peat. Soil Biology and Biochemistry, 2015, 81, 38-47. | 8.8 | 55 |
| 26 | Nutrient release characteristics from droppings of grassâ€foraging waterfowl (<scp><i>Anser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 | 2.4 | 8 |
| 27 | The effects of salinization on aerobic and anaerobic decomposition and mineralization in peat meadows: The roles of peat type and land use. Journal of Environmental Management, 2014, 143, 44-53. | 7.8 | 26 |
| 28 | Interactions between Thaumarchaea, <i>Nitrospira</i> and methanotrophs modulate autotrophic nitrification in volcanic grassland soil. ISME Journal, 2014, 8, 2397-2410. | 9.8 | 121 |
| 29 | Short period of oxygenation releases latch on peat decomposition. Science of the Total Environment, 2014, 481, 61-68. | 8.0 | 48 |
| 30 | Snow cover manipulation effects on microbial community structure and soil chemistry in a mountain bog. Plant and Soil, 2013, 369, 151-164. | 3.7 | 31 |
| 31 | Tea Bag Index: a novel approach to collect uniform decomposition data across ecosystems. Methods in Ecology and Evolution, 2013, 4, 1070-1075. | 5.2 | 359 |
| 32 | Rewetting Drained Peat Meadows: Risks and Benefits in Terms of Nutrient Release and Greenhouse Gas Exchange. Water, Air, and Soil Pollution, 2013, 224, 1. | 2.4 | 29 |
| 33 | Hotspots of anaerobic ammonium oxidation at landâ€"freshwater interfaces. Nature Geoscience, 2013, 6, 103-107. | 12.9 | 260 |
| 34 | Wetlands in agricultural landscapes for nitrogen attenuation and biodiversity enhancement: Opportunities and limitations. Ecological Engineering, 2013, 56, 5-13. | 3.6 | 66 |
| 35 | Nutrient amendment does not increase mineralisation of sequestered carbon during incubation of a nitrogen limited mangrove soil. Soil Biology and Biochemistry, 2013, 57, 822-829. | 8.8 | 51 |
| 36 | Microbial minorities modulate methane consumption through niche partitioning. ISME Journal, 2013, 7, 2214-2228. | 9.8 | 91 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Differential Effects of Oxidised and Reduced Nitrogen on Vegetation and Soil Chemistry of Species-Rich Acidic Grasslands. Water, Air, and Soil Pollution, 2013, 224, 1. | 2.4 | 8 |
| 38 | Global trends and uncertainties in terrestrial denitrification and N <sub>2</sub> O emissions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130112. | 4.0 | 205 |
| 39 | Spatial patterns of methanotrophic communities along a hydrological gradient in a riparian wetland. FEMS Microbiology Ecology, 2013, 86, 59-70. | 2.7 | 26 |
| 40 | Nutrient dynamics, transfer and retention along the aquatic continuum from land to ocean: towards integration of ecological and biogeochemical models. Biogeosciences, 2013, 10, 1-22. | 3.3 | 177 |
| 41 | Archaeal dominated ammonia-oxidizing communities in Icelandic grassland soils are moderately affected by long-term N fertilization and geothermal heating. Frontiers in Microbiology, 2012, 3, 352. | 3.5 | 36 |
| 42 | Controls on Coarse Wood Decay in Temperate Tree Species: Birth of the LOGLIFE Experiment. Ambio, 2012, 41, 231-245. | 5.5 | 92 |
| 43 | Decreased N<sub>2</sub>O reduction by low soil pH causes high N<sub>2</sub>O emissions in a riparian ecosystem. Geobiology, 2011, 9, 294-300. | 2.4 | 113 |
| 44 | Repression of potential nitrification activities by matgrass sward species. Plant and Soil, 2010, 337, 435-445. | 3.7 | 14 |
| 45 | Nitrification along a grassland gradient: Inhibition found in matgrass swards. Soil Biology and Biochemistry, 2010, 42, 635-641. | 8.8 | 13 |
| 46 | Nutrient limitation in speciesâ€rich Calthion grasslands in relation to opportunities for restoration in a peat meadow landscape. Applied Vegetation Science, 2010, 13, 315-325. | 1.9 | 10 |
| 47 | Denitrification at pH 4 by a soilâ€derived <i>Rhodanobacter</i>â€dominated community. Environmental Microbiology, 2010, 12, 3264-3271. | 3.8 | 95 |
| 48 | N2O emission hotspots at different spatial scales and governing factors for small scale hotspots. Science of the Total Environment, 2009, 407, 2325-2332. | 8.0 | 72 |
| 49 | Patterns of denitrification rates in European alluvial soils under various hydrological regimes. Freshwater Biology, 2007, 52, 252-266. | 2.4 | 126 |
| 50 | Water quality dynamics and hydrology in nitrate loaded riparian zones in the Netherlands. Environmental Pollution, 2006, 139, 143-156. | 7.5 | 66 |
| 51 | Regional and global concerns over wetlands and water quality. Trends in Ecology and Evolution, 2006, 21, 96-103. | 8.7 | 637 |
| 52 | Spatial Variation in Denitrification and N2O Emission in Relation to Nitrate Removal Efficiency in a N-stressed Riparian Buffer Zone. Ecosystems, 2006, 9, 550-563. | 3.4 | 67 |
| 53 | The role of vegetation and litter in the nitrogen dynamics of riparian buffer zones in Europe. Ecological Engineering, 2005, 24, 465-482. | 3.6 | 186 |
| 54 | Water table elevation controls on soil nitrogen cycling in riparian wetlands along a European climatic gradient. Biogeochemistry, 2004, 67, 113-134. | 3.5 | 253 |

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|---|---|---|---|
| 55 | Nitrogen Removal by Riparian Buffers along a European Climatic Gradient: Patterns and Factors of Variation. Ecosystems, 2003, 6, 0020-0030. | 3.4 | 214 |
| 56 | Testing a climato-topographic index for predicting wetlands distribution along an European climate gradient. Ecological Modelling, 2003, 163, 51-71. | 2.5 | 96 |
| 57 | Nitrous Oxide Emission and Denitrification in Chronically Nitrateâ€Łoaded Riparian Buffer Zones. Journal of Environmental Quality, 2003, 32, 1194-1203. | 2.0 | 214 |
| 58 | Water table fluctuations in the riparian zone: comparative results from a pan-European experiment. Journal of Hydrology, 2002, 265, 129-148. | 5.4 | 148 |
| 59 | Microbial transformations of C and N in a boreal forest floor as affected by temperature. Plant and Soil, 1999, 208, 187-197. | 3.7 | 28 |
| 60 | Nitrogen removal in buffer strips along a lowland stream in the Netherlands: a pilot study. Environmental Pollution, 1998, 102, 521-526. | 7.5 | 56 |
| 61 | Heavy Metal (Copper, Lead, and Zinc) Accumulation and Excretion by the Earthworm, Dendrobaena veneta. Journal of Environmental Quality, 1997, 26, 278-284. | 2.0 | 40 |
| 62 | The Role of Floodplains in Mitigating Diffuse Nitrate Pollution. , 0, , 253-268. | | 2 |