

Terhi Riutta

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,512
citations

201674

27
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

4138
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ exchange of a sedge fen in southern Finland—the impact of a drought period. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 826.	1.6	117
2	Environmental controls on the CO ₂ exchange in north European mires. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 812.	1.6	75
3	Tropical wood stores substantial amounts of nutrients, but we have limited understanding why. <i>Biotropica</i> , 2022, 54, 596-606.	1.6	8
4	Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.	7.8	8
5	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO ₂ . <i>New Phytologist</i> , 2021, 229, 2413-2445.	7.3	286
6	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 252, 112122.	11.0	38
7	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , 2021, 253, 108889.	4.1	42
8	Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El Niño. <i>Nature Communications</i> , 2021, 12, 1526.	12.8	31
9	Fine root dynamics across pantropical rainforest ecosystems. <i>Global Change Biology</i> , 2021, 27, 3657-3680.	9.5	13
10	The impact of logging on vertical canopy structure across a gradient of tropical forest degradation intensity in Borneo. <i>Journal of Applied Ecology</i> , 2021, 58, 1764-1775.	4.0	26
11	Major and persistent shifts in below-ground carbon dynamics and soil respiration following logging in tropical forests. <i>Global Change Biology</i> , 2021, 27, 2225-2240.	9.5	27
12	Predicting tropical tree mortality with leaf spectroscopy. <i>Biotropica</i> , 2021, 53, 581-595.	1.6	3
13	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. <i>Global Change Biology</i> , 2020, 26, 989-1002.	9.5	37
14	Changes in oak (<i>Quercus robur</i>) photosynthesis after winter moth (<i>Operophtera brumata</i>) herbivory are not explained by changes in chemical or structural leaf traits. <i>PLoS ONE</i> , 2020, 15, e0228157.	2.5	8
15	Soil Fungal Community Characteristics and Mycelial Production Across a Disturbance Gradient in Lowland Dipterocarp Rainforest in Borneo. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	6
16	Interacting effects of vegetation components and water level on methane dynamics in a boreal fen. <i>Biogeosciences</i> , 2020, 17, 727-740.	3.3	18
17	Insect community structure covaries with host plant chemistry but is not affected by prior herbivory. <i>Ecology</i> , 2019, 100, e02739.	3.2	14
18	Logging and soil nutrients independently explain plant trait expression in tropical forests. <i>New Phytologist</i> , 2019, 221, 1853-1865.	7.3	69

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19	Logging disturbance shifts net primary productivity and its allocation in Bornean tropical forests. <i>Global Change Biology</i> , 2018, 24, 2913-2928.	9.5	98
20	Extreme and Highly Heterogeneous Microclimates in Selectively Logged Tropical Forests. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	2.3	37
21	ENSO Drives interannual variation of forest woody growth across the tropics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170410.	4.0	41
22	Inter-annual dynamics and persistence of small mammal communities in a selectively logged tropical forest in Borneo. <i>Biodiversity and Conservation</i> , 2018, 27, 3155-3169.	2.6	19
23	Small-scale indirect plant responses to insect herbivory could have major impacts on canopy photosynthesis and isoprene emission. <i>New Phytologist</i> , 2018, 220, 799-810.	7.3	25
24	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. <i>Biogeosciences</i> , 2018, 15, 3811-3830.	3.3	47
25	Value coordinating roles in research. <i>Nature</i> , 2017, 546, 33-33.	27.8	0
26	The role of dung beetles in reducing greenhouse gas emissions from cattle farming. <i>Scientific Reports</i> , 2016, 6, 18140.	3.3	91
27	Landscape-Scale Implications of the Edge Effect on Soil Fauna Activity in a Temperate Forest. <i>Ecosystems</i> , 2016, 19, 534-544.	3.4	25
28	Ground based LiDAR demonstrates the legacy of management history to canopy structure and composition across a fragmented temperate woodland. <i>Forest Ecology and Management</i> , 2015, 335, 255-260.	3.2	14
29	Living on the edge: quantifying the structure of a fragmented forest landscape in England. <i>Landscape Ecology</i> , 2014, 29, 949-961.	4.2	33
30	Relationships between tree growth and weather extremes: Spatial and interspecific comparisons in a temperate broadleaf forest. <i>Forest Ecology and Management</i> , 2014, 334, 209-216.	3.2	13
31	Life-history traits and landscape characteristics predict macro-moth responses to forest fragmentation. <i>Ecology</i> , 2013, 94, 1519-1530.	3.2	110
32	Macrofauna assemblage composition and soil moisture interact to affect soil ecosystem functions. <i>Acta Oecologica</i> , 2013, 47, 30-36.	1.1	43
33	Quantifying the sampling error in tree census measurements by volunteers and its effect on carbon stock estimates. <i>Ecological Applications</i> , 2013, 23, 936-943.	3.8	53
34	Quantifying Beetle-Mediated Effects on Gas Fluxes from Dung Pats. <i>PLoS ONE</i> , 2013, 8, e71454.	2.5	75
35	Interacting effects of leaf litter species and macrofauna on decomposition in different litter environments. <i>Basic and Applied Ecology</i> , 2012, 13, 423-431.	2.7	50
36	Abundance and composition of plant biomass as potential controls for mire net ecosystem CO ₂ exchange. <i>Botany</i> , 2012, 90, 63-74.	1.0	64

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37	Experimental evidence for the interacting effects of forest edge, moisture and soil macrofauna on leaf litter decomposition. <i>Soil Biology and Biochemistry</i> , 2012, 49, 124-131.	8.8	149
38	Factors Affecting Soil Fauna Feeding Activity in a Fragmented Lowland Temperate Deciduous Woodland. <i>PLoS ONE</i> , 2012, 7, e29616.	2.5	47
39	Spatial variation in CO ₂ exchange at a northern aapa mire. <i>Biogeochemistry</i> , 2011, 104, 325-345.	3.5	41
40	Comparison of Vegetation and CO ₂ Dynamics Between a Restored Cut-Away Peatland and a Pristine Fen: Evaluation of the Restoration Success. <i>Restoration Ecology</i> , 2010, 18, 894-903.	2.9	34
41	Dynamics of net ecosystem CO ₂ exchange and heterotrophic soil respiration following clearfelling in a drained peatland forest. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 1585-1596.	4.8	34
42	Acknowledging the spatial heterogeneity in modelling/reconstructing carbon dioxide exchange in a northern aapa mire. <i>Ecological Modelling</i> , 2009, 220, 2646-2655.	2.5	35
43	Annual cycle of methane emission from a boreal fen measured by the eddy covariance technique. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 449-457.	1.6	224
44	A high resolution green area index for modelling the seasonal dynamics of CO ₂ exchange in peatland vascular plant communities. <i>Plant Ecology</i> , 2007, 190, 37-51.	1.6	97
45	Sensitivity of CO ₂ Exchange of Fen Ecosystem Components to Water Level Variation. <i>Ecosystems</i> , 2007, 10, 718-733.	3.4	137
46	Measurements of hydrocarbon emissions from a boreal fen using the REA technique. <i>Biogeosciences</i> , 2006, 3, 103-112.	3.3	45
47	Large contribution of recent photosynthate to soil respiration in tropical dipterocarp forest revealed by girdling. <i>Journal of Ecology</i> , 0, , .	4.0	2