Gerald Jurasinski

List of Publications by Year
in descending order

70 papers	3,205 citations	186265 28 h-index	175258 52 g-index
106 all docs	106 docs citations	106 times ranked	4816 citing authors

#	Article	IF	Citations
1	The climate benefits of topsoil removal and <scp><i>Sphagnum</i></scp> introduction in raised bog restoration. Restoration Ecology, 2022, 30, e13490.	2.9	16
2	Blue Carbon in Coastal Phragmites Wetlands Along the Southern Baltic Sea. Estuaries and Coasts, 2022, 45, 2274-2282.	2.2	7
3	Introduction of a guideline for measurements of greenhouse gas fluxes from soils using nonâ€steadyâ€state chambers. Journal of Plant Nutrition and Soil Science, 2022, 185, 447-461.	1.9	13
4	Sulphate in freshwater ecosystems: A review of sources, biogeochemical cycles, ecotoxicological effects and bioremediation. Earth-Science Reviews, 2021, 212, 103446.	9.1	82
5	Ecosystem Processes Show Uniform Sensitivity to Winter Soil Temperature Change Across a Gradient from Central to Cold Marginal Stands of a Major Temperate Forest Tree. Ecosystems, 2021, 24, 1545-1560.	3.4	10
6	Drought years in peatland rewetting: rapid vegetation succession can maintain the net CO₂ sink function. Biogeosciences, 2021, 18, 917-935.	3.3	13
7	Meteorological Controls on Water Table Dynamics in Fen Peatlands Depend on Management Regimes. Frontiers in Earth Science, 2021, 9, .	1.8	10
8	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. Global Change Biology, 2021, 27, 3582-3604.	9.5	59
9	Drainage Ditches Contribute Considerably to the CH4 Budget of a Drained and a Rewetted Temperate Fen. Wetlands, 2021, 41, 1.	1.5	8
10	FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689.	9.9	79
11	Long-term vegetation change in the Western Tien-Shan Mountain pastures, Central Asia, driven by a combination of changing precipitation patterns and grazing pressure. Science of the Total Environment, 2021, 781, 146720.	8.0	9
12	Eukaryotic rather than prokaryotic microbiomes change over seasons in rewetted fen peatlands. FEMS Microbiology Ecology, 2021, 97, .	2.7	8
13	Congruent changes in microbial community dynamics and ecosystem methane fluxes following natural drought in two restored fens. Soil Biology and Biochemistry, 2021, 160, 108348.	8.8	15
14	Salinity exerted little effect on decomposition of emergent macrophytes in coastal peatlands. Aquatic Botany, 2021, 175, 103446.	1.6	2
15	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH4 wetlands. Agricultural and Forest Meteorology, 2021, 308-309, 108528.	4.8	33
16	Rewetting does not return drained fen peatlands to their old selves. Nature Communications, 2021, 12, 5693.	12.8	75
17	Shortâ€lived peaks of stem methane emissions from mature black alder (<i>Alnus glutinosa</i> (L.)) Tj ETQq1 1 0.784314 rgBT /Over	1.5	10
18	Biogeochemical controls of carbon transformation in a drained coastal peatland of the southern Baltic Sea: An isotope and trace element perspective. , 2021, , .		0

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19	A new methodology for organic soils in national greenhouse gas inventories: Data synthesis, derivation and application. Ecological Indicators, 2020, 109, 105838.	6.3	84
20	The impact of occasional drought periods on vegetation spread and greenhouse gas exchange in rewetted fens. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190685.	4.0	25
21	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190524.	4.0	35
22	Topsoil removal reduced in-situ methane emissions in a temperate rewetted bog grassland by a hundredfold. Science of the Total Environment, 2020, 721, 137763.	8.0	19
23	From Understanding to Sustainable Use of Peatlands: The WETSCAPES Approach. Soil Systems, 2020, 4, 14.	2.6	45
24	Long-Term Rewetting of Three Formerly Drained Peatlands Drives Congruent Compositional Changes in Pro- and Eukaryotic Soil Microbiomes through Environmental Filtering. Microorganisms, 2020, 8, 550.	3.6	25
25	Prompt rewetting of drained peatlands reduces climate warming despite methane emissions. Nature Communications, 2020, 11, 1644.	12.8	168
26	Unraveling the Importance of Polyphenols for Microbial Carbon Mineralization in Rewetted Riparian Peatlands. Frontiers in Environmental Science, 2019, 7, .	3.3	34
27	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. Biogeosciences, 2019, 16, 1937-1953.	3.3	29
28	Multisensor data to derive peatland vegetation communities using a fixed-wing unmanned aerial vehicle. International Journal of Remote Sensing, 2019, 40, 9103-9125.	2.9	24
29	Accelerated increase in plant species richness on mountain summits is linked to warming. Nature, 2018, 556, 231-234.	27.8	580
30	How to best address spatial and temporal variability of soil-derived nitrous oxide and methane emissions. Journal of Plant Nutrition and Soil Science, 2018, 181, 7-11.	1.9	7
31	Profitability of Direct Greenhouse Gas Measurements in Carbon Credit Schemes of Peatland Rewetting. Ecological Economics, 2018, 146, 766-771.	5.7	14
32	Interdisciplinary Geoâ€ecological Research across Time Scales in the Northeast German Lowland Observatory (TERENOâ€NE). Vadose Zone Journal, 2018, 17, 1-25.	2.2	29
33	Predominance of methanogens over methanotrophs in rewetted fens characterized by high methane emissions. Biogeosciences, 2018, 15, 6519-6536.	3.3	38
34	Understanding the Coastal Ecocline: Assessing Seaâ€"Land Interactions at Non-tidal, Low-Lying Coasts Through Interdisciplinary Research. Frontiers in Marine Science, 2018, 5, .	2.5	30
35	Resurvey of historical vegetation plots: a tool for understanding longâ€term dynamics of plant communities. Applied Vegetation Science, 2017, 20, 161-163.	1.9	48
36	Variability of soil carbon stocks in a mixed deciduous forest on hydromorphic soils. Geoderma, 2017, 307, 8-18.	5.1	15

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37	Taxonomic and functional vegetation changes after shifting management from traditional herding to fenced grazing in temperate grassland communities. Applied Vegetation Science, 2017, 20, 259-270.	1.9	13
38	Resurveying historical vegetation data â€“ opportunities and challenges. Applied Vegetation Science, 2017, 20, 164-171.	1.9	136
39	Potential short-term losses of N₂O and N₂ from high concentrations of biogas digestate in arable soils. Soil, 2017, 3, 161-176.	4.9	13
40	Tillage-induced short-term soil organic matter turnover and respiration. Soil, 2016, 2, 475-486.	4.9	17
41	High emissions of greenhouse gases from grasslands on peat and other organic soils. Global Change Biology, 2016, 22, 4134-4149.	9.5	144
42	Dynamics of surface elevation and microtopography in different zones of a coastal Phragmites wetland. Ecological Engineering, 2016, 94, 152-163.	3.6	17
43	Impact of adjacent land use on coastal wetland sediments. Science of the Total Environment, 2016, 550, 337-348.	8.0	47
44	Impact of climate change on tree-ring growth of Scots pine, common beech and pedunculate oak in northeastern Germany. IForest, 2016, 9, 1-11.	1.4	30
45	The effect of biomass harvesting on greenhouse gas emissions from a rewetted temperate fen. GCB Bioenergy, 2015, 7, 1092-1106.	5.6	64
46	Methane Exchange in a Coastal Fen in the First Year after Flooding - A Systems Shift. PLoS ONE, 2015, 10, e0140657.	2.5	40
47	Four decades of vegetation development in a percolation mire complex following intensive drainage and abandonment. Plant Ecology and Diversity, 2015, 8, 49-60.	2.4	31
48	Controls for multi-scale temporal variation in ecosystem methane exchange during the growing season of a permanently inundated fen. Agricultural and Forest Meteorology, 2015, 204, 94-105.	4.8	67
49	Soil respiration after tillage under different fertiliser treatments â€“ implications for modelling and balancing. Soil and Tillage Research, 2015, 150, 30-42.	5.6	18
50	Spatial variability at different scales and sampling requirements for in situ soil CO2 efflux measurements on an arable soil. Catena, 2015, 131, 46-55.	5.0	6
51	Scale-dependent temporal variation in determining the methane balance of a temperate fen. Greenhouse Gas Measurement and Management, 2014, 4, 41-48.	0.6	17
52	Spatial Variability of Annual Estimates of Methane Emissions in a Phragmites Australis (Cav.) Trin. ex Steud. Dominated Restored Coastal Brackish Fen. Wetlands, 2014, 34, 593-602.	1.5	23
53	Opaque closed chambers underestimate methane fluxes of Phragmites australis (Cav.) Trin. ex Steud. Environmental Monitoring and Assessment, 2014, 186, 2151-2158.	2.7	20
54	Identifying the driving factors behind observed elevational range shifts on <scp>E</scp>uropean mountains. Global Ecology and Biogeography, 2014, 23, 876-884.	5.8	110

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55	Assessing the spatial variability of soil organic carbon stocks in an alpine setting (Grindelwald, Swiss) Tj ETQq1 1 0.784314 rgBT /Over	5.1	70
56	Vegetation controls methane emissions in a coastal brackish fen. Wetlands Ecology and Management, 2013, 21, 323-337.	1.5	31
57	Effects of land use intensity on the full greenhouse gas balance in an Atlantic peat bog. Biogeosciences, 2013, 10, 1067-1082.	3.3	109
58	CO₂ exchange of a temperate fen during the conversion from moderately rewetting to flooding. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 940-950.	3.0	21
59	Mapping soil CO2 efflux in an old-growth forest using regression kriging with estimated fine root biomass as ancillary data. Forest Ecology and Management, 2012, 263, 101-113.	3.2	19
60	Vegetation changes in the Red Sea Hills: from mist oasis to arid shrub. Plant Ecology and Diversity, 2012, 5, 527-539.	2.4	8
61	Detecting spatial patterns in species composition with multiple plot similarity coefficients and singularity measures. Ecography, 2012, 35, 73-88.	4.5	9
62	Winter warming pulses affect the development of planted temperate grassland and dwarf-shrub heath communities. Plant Ecology and Diversity, 2011, 4, 13-21.	2.4	24
63	Spatial Patterns of Phytodiversity - Assessing Vegetation Using (Dis) Similarity Measures. , 2011, , .		1
64	Commentary: do we have a consistent terminology for species diversity? We are on the way. Oecologia, 2011, 167, 893-902.	2.0	33
65	Towards objectivity in research evaluation using bibliometric indicators â€“ A protocol for incorporating complexity. Basic and Applied Ecology, 2009, 10, 393-400.	2.7	30
66	Inventory, differentiation, and proportional diversity: a consistent terminology for quantifying species diversity. Oecologia, 2009, 159, 15-26.	2.0	182
67	Upward shift of alpine plants increases floristic similarity of mountain summits. Journal of Vegetation Science, 2007, 18, 711-718.	2.2	89
68	Upward shift of alpine plants increases floristic similarity of mountain summits. Journal of Vegetation Science, 2007, 18, 711.	2.2	1
69	Spatial Patterns of Biodiversityâ€“Assessing Vegetation Using Hexagonal Grids. Biology and Environment, 2006, 106, 401-411.	0.3	13
70	Rewetting prolongs root growing season in minerotrophic peatlands and mitigates negative drought effects. Journal of Applied Ecology, 0, , .	4.0	6