Till Kleinebecker

List of Publications by Year
in descending order

69 papers	3,936 citations	159585 30 h-index	133252 59 g-index
76 all docs	76 docs citations	76 times ranked	5948 citing authors

#	Article	IF	Citations
1	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. Ecology Letters, 2015, 18, 834-843.	6.4	578
2	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. Nature, 2016, 536, 456-459.	27.8	526
3	A quantitative index of land-use intensity in grasslands: Integrating mowing, grazing and fertilization. Basic and Applied Ecology, 2012, 13, 207-220.	2.7	325
4	Interannual variation in land-use intensity enhances grassland multidiversity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 308-313.	7.1	243
5	Land-use intensity alters networks between biodiversity, ecosystem functions, and services. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28140-28149.	7.1	164
6	Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. Nature Communications, 2016, 7, 10697.	12.8	125
7	Locally rare species influence grassland ecosystem multifunctionality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150269.	4.0	117
8	Unmanned aerial vehicles as innovative remote sensing platforms for highâ€resolution infrared imagery to support restoration monitoring in cutâ€over bogs. Applied Vegetation Science, 2013, 16, 509-517.	1.9	95
9	The results of biodiversityâ€“ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	7.8	93
10	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. Nature Communications, 2021, 12, 3918.	12.8	81
11	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. Ecology, 2015, 96, 1492-1501.	3.2	75
12	Prediction of Î´¹³C and Î´¹⁵N in plant tissues with nearâ€infrared reflectance spectroscopy. New Phytologist, 2009, 184, 732-739.	7.3	57
13	Plant functional trait shifts explain concurrent changes in the structure and function of grassland soil microbial communities. Journal of Ecology, 2019, 107, 2197-2210.	4.0	57
14	Soil carbon sequestration due to postâ€Soviet cropland abandonment: estimates from a largeâ€scale soil organic carbon field inventory. Global Change Biology, 2017, 23, 3729-3741.	9.5	56
15	Gradients of continentality and moisture in South Patagonian ombrotrophic peatland vegetation. Folia Geobotanica, 2007, 42, 363-382.	0.9	55
16	Evidence from the real world: ¹⁵N natural abundances reveal enhanced nitrogen use at high plant diversity in Central European grasslands. Journal of Ecology, 2014, 102, 456-465.	4.0	55
17	NIRS meets Ellenberg's indicator values: Prediction of moisture and nitrogen values of agricultural grassland vegetation by means of near-infrared spectral characteristics. Ecological Indicators, 2012, 14, 82-86.	6.3	49
18	Nutrient concentrations and fibre contents of plant community biomass reflect species richness patterns along a broad range of land-use intensities among agricultural grasslands. Perspectives in Plant Ecology, Evolution and Systematics, 2011, 13, 287-295.	2.7	48

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19	High-Resolution Classification of South Patagonian Peat Bog Microforms Reveals Potential Gaps in Up-Scaled CH4 Fluxes by use of Unmanned Aerial System (UAS) and CIR Imagery. Remote Sensing, 2016, 8, 173.	4.0	46
20	Nutrient impoverishment and limitation of productivity after 20 years of conservation management in wet grasslands of north-western Germany. Biological Conservation, 2009, 142, 2941-2948.	4.1	45
21	Will I stay or will I go? Plant speciesâ€specific response and tolerance to high landâ€use intensity in temperate grassland ecosystems. Journal of Vegetation Science, 2019, 30, 674-686.	2.2	45
22	Towards the development of general rules describing landscape heterogeneityâ€"multifunctionality relationships. Journal of Applied Ecology, 2019, 56, 168-179.	4.0	42
23	South Patagonian ombrotrophic bog vegetation reflects biogeochemical gradients at the landscape level. Journal of Vegetation Science, 2008, 19, 151-160.	2.2	41
24	Changes in wet meadow vegetation after 20 years of different management in a field experiment (North-West Germany). Agriculture, Ecosystems and Environment, 2009, 134, 108-114.	5.3	40
25	Does organic grassland farming benefit plant and arthropod diversity at the expense of yield and soil fertility?. Agriculture, Ecosystems and Environment, 2013, 177, 1-9.	5.3	40
26	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. Nature Communications, 2021, 12, 4431.	12.8	40
27	Patterns and potentials of plant species richness in highâ€and lowâ€maintenance urban grasslands. Applied Vegetation Science, 2017, 20, 18-27.	1.9	39
28	Effects of grazing on seasonal variation of aboveground biomass quality in calcareous grasslands. Plant Ecology, 2011, 212, 1563-1576.	1.6	35
29	Plant diversity moderates drought stress in grasslands: Implications from a large real-world study on 13C natural abundances. Science of the Total Environment, 2016, 566-567, 215-222.	8.0	35
30	Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. Global Change Biology, 2018, 24, 2828-2840.	9.5	35
31	Reducing Sample Quantity and Maintaining High Prediction Quality of Grassland Biomass Properties with near Infrared Reflectance Spectroscopy. Journal of Near Infrared Spectroscopy, 2011, 19, 495-505.	1.5	32
32	Contribution of the soil seed bank to the restoration of temperate grasslands by mechanical sward disturbance. Restoration Ecology, 2018, 26, S114.	2.9	32
33	Eleven yearsâ€™ data of grassland management in Germany. Biodiversity Data Journal, 2019, 7, e36387.	0.8	32
34	Patterns and gradients of diversity in South Patagonian ombrotrophic peat bogs. Austral Ecology, 2010, 35, 1-12.	1.5	31
35	Decomposition disentangled: A test of the multiple mechanisms by which nitrogen enrichment alters litter decomposition. Functional Ecology, 2020, 34, 1485-1496.	3.6	30
36	Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. Science Advances, 2021, 7, .	10.3	27

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37	Impact of Land-Use Intensity and Productivity on Bryophyte Diversity in Agricultural Grasslands. PLoS ONE, 2012, 7, e51520.	2.5	25
38	Temporal and small-scale spatial variation in grassland productivity, biomass quality, and nutrient limitation. Plant Ecology, 2016, 217, 843-856.	1.6	25
39	Effects of mowing, grazing and fertilization on soil seed banks in temperate grasslands in Central Europe. Agriculture, Ecosystems and Environment, 2018, 256, 211-217.	5.3	25
40	Assessing the impact of grassland management on landscape multifunctionality. Ecosystem Services, 2021, 52, 101366.	5.4	25
41	Fast and Inexpensive Detection of Total and Extractable Element Concentrations in Aquatic Sediments Using Near-Infrared Reflectance Spectroscopy (NIRS). PLoS ONE, 2013, 8, e70517.	2.5	22
42	Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. Ecology and Evolution, 2018, 8, 601-616.	1.9	22
43	Recovery of ecosystem functions after experimental disturbance in 73 grasslands differing in landâ€use intensity, plant species richness and community composition. Journal of Ecology, 2019, 107, 2635-2649.	4.0	20
44	Drought boosts risk of nitrate leaching from grassland fertilisation. Science of the Total Environment, 2020, 726, 137877.	8.0	20
45	Zero to moderate methane emissions in a densely rooted, pristine Patagonian bog â€" biogeochemical controls as revealed from isotopic evidence. Biogeosciences, 2019, 16, 541-559.	3.3	19
46	Restoration of plant diversity in permanent grassland by seeding: Assessing the limiting factors along landâ€use gradients. Journal of Applied Ecology, 2021, 58, 1681-1692.	4.0	19
47	Interspecific and geographical differences of plant tissue nutrient concentrations along an environmental gradient in Southern Patagonia, Chile. Aquatic Botany, 2010, 92, 149-156.	1.6	18
48	Floristic diversity of meadow steppes in the Western Siberian Plain: effects of abiotic site conditions, management and landscape structure. Biodiversity and Conservation, 2016, 25, 2361-2379.	2.6	18
49	Hemiparasite-density effects on grassland plant diversity, composition and biomass. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 32, 22-29.	2.7	17
50	Modelling Agroforestryâ€™s Contributions to Peopleâ€"A Review of Available Models. Agronomy, 2021, 11, 2106.	3.0	16
51	Environmental variation as a key process of coâ€existence in floodâ€meadows. Journal of Vegetation Science, 2015, 26, 480-491.	2.2	15
52	The Evolution of Ecological Diversity in Acidobacteria. Frontiers in Microbiology, 2022, 13, 715637.	3.5	15
53	Land-use intensity shapes kinetics of extracellular enzymes in rhizosphere soil of agricultural grassland plant species. Plant and Soil, 2019, 437, 215-239.	3.7	14
54	The role of soil chemical properties, land use and plant diversity for microbial phosphorus in forest and grassland soils. Journal of Plant Nutrition and Soil Science, 2018, 181, 185-197.	1.9	13

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55	Organic vs. Conventional Grassland Management: Do 15N and 13C Isotopic Signatures of Hay and Soil Samples Differ?. PLoS ONE, 2013, 8, e78134.	2.5	12
56	And the winner is â€¦. ! A test of simple predictors of plant species richness in agricultural grasslands. Ecological Indicators, 2018, 87, 296-301.	6.3	12
57	The Role of Small Woody Landscape Features and Agroforestry Systems for National Carbon Budgeting in Germany. Land, 2021, 10, 1028.	2.9	12
58	The Effects of Climate-Change-Induced Drought and Freshwater Wetlands. , 2012, , 117-147.		12
59	Present and historical landscape structure shapes current species richness in Central European grasslands. Landscape Ecology, 2022, 37, 745-762.	4.2	9
60	Enriching plant diversity in grasslands by large-scale experimental sward disturbance and seed addition along gradients of land-use intensity. Journal of Plant Ecology, 0, , rtw062.	2.3	8
61	Time lags in functional response to management regimes â€" evidence from a 26â€year field experiment in wet meadows. Journal of Vegetation Science, 2017, 28, 313-324.	2.2	7
62	Does plant diversity affect the water balance of established grassland systems?. Ecohydrology, 2018, 11, e1945.	2.4	7
63	Direct and plant community mediated effects of management intensity on annual nutrient leaching risk in temperate grasslands. Nutrient Cycling in Agroecosystems, 2022, 123, 83-104.	2.2	6
64	Birch encroachment affects the base cation chemistry in a restored bog. Ecohydrology, 2014, 7, 1163-1171.	2.4	5
65	Mowing machinery and migratory sheep herds are complementary dispersal vectors for grassland species. Applied Vegetation Science, 2021, 24, e12579.	1.9	5
66	Control of carbon and nitrogen accumulation by vegetation in pristine bogs of southern Patagonia. Science of the Total Environment, 2022, 810, 151293.	8.0	5
67	Soil conditions drive belowâ€ground trait space in temperate agricultural grasslands. Journal of Ecology, 2022, 110, 1189-1200.	4.0	5
68	Mapping terrestrial ecosystem health in drylands: comparison of field-based information with remotely sensed data at watershed level. Landscape Ecology, 2023, 38, 705-724.	4.2	5
69	Enzyme kinetics inform about mechanistic changes in tea litter decomposition across gradients in land-use intensity in Central German grasslands. Science of the Total Environment, 2022, 836, 155748.	8.0	4