Harald Auge

List of Publications by Year in Descending Order

84 papers	3,540 citations	32 h-index	58 g-index
90 ext. papers	4,178 ext. citations	4.9 avg, IF	5.05 L-index

#	Paper	IF	Citations
84	Effects of climate change and pollen supplementation on the reproductive success of two grassland plant species.. *Ecology and Evolution*, **2022**, 12, e8501	2.8	0
83	Abiotic factors are more important than land management and biotic interactions in shaping vascular plant and soil fungal communities. *Global Ecology and Conservation*, **2022**, 33, e01960	2.8	1
82	Tree diversity effects on soil microbial biomass and respiration are context dependent across forest diversity experiments. *Global Ecology and Biogeography*, **2022**, 31, 872-885	6.1	0
81	Foliar Fungal Endophytes in a Tree Diversity Experiment Are Driven by the Identity but Not the Diversity of Tree Species. *Life*, **2021**, 11,	3	1
80	Responses of plant diversity to precipitation change are strongest at local spatial scales and in drylands. *Nature Communications*, **2021**, 12, 2489	17.4	12
79	Reducing dispersal limitation via seed addition increases species richness but not above-ground biomass. *Ecology Letters*, **2020**, 23, 1442-1450	10	9
78	Resilience trinity: safeguarding ecosystem functioning and services across three different time horizons and decision contexts. *Oikos*, **2020**, 129, 445-456	4	12
77	Understanding plant communities of the future requires filling knowledge gaps. *Global Change Biology*, **2020**, 26, 328-329	11.4	2
76	Abundance, origin, and phylogeny of plants do not predict community-level patterns of pathogen diversity and infection. *Ecology and Evolution*, **2020**, 10, 5506-5516	2.8	2
75	Natural enemies do not contribute to negative frequency-dependence in native and exotic grassland plants. *Perspectives in Plant Ecology, Evolution and Systematics*, **2020**, 46, 125565	3	0
74	Scale-dependent impact of land management on above- and belowground biodiversity. *Ecology and Evolution*, **2020**, 10, 10139-10149	2.8	1
73	We need more realistic climate change experiments for understanding ecosystems of the future. *Global Change Biology*, **2020**, 26, 325-327	11.4	36
72	The effects of drought and nutrient addition on soil organisms vary across taxonomic groups, but are constant across seasons. *Scientific Reports*, **2019**, 9, 639	4.9	34
71	Investigating the consequences of climate change under different land-use regimes: a novel experimental infrastructure. *Ecosphere*, **2019**, 10, e02635	3.1	39
70	Pre-adaptations and shifted chemical defences provide Buddleja davidii populations with high resistance against antagonists in the invasive range. *Biological Invasions*, **2019**, 21, 333-347	2.7	1
69	Effects of altitude, land use and microsites on early life performance of a high mountain tree: Insights from an in situ sowing experiment. *Diversity and Distributions*, **2019**, 25, 1537-1550	5	4
68	Tree species identity determines wood decomposition via microclimatic effects. *Ecology and Evolution*, **2019**, 9, 12113-12127	2.8	20

67	How do trees respond to species mixing in experimental compared to observational studies?. *Ecology and Evolution*, **2019**, 9, 11254-11265	2.8	5
66	Additive effects of experimental climate change and land use on faunal contribution to litter decomposition. *Soil Biology and Biochemistry*, **2019**, 131, 141-148	7.5	30
65	Early stage litter decomposition across biomes. *Science of the Total Environment*, **2018**, 628-629, 1369-1394	5.2	117
64	A million and more trees for science. *Nature Ecology and Evolution*, **2018**, 2, 763-766	12.3	49
63	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (CAFE) approach. *Ecology Letters*, **2018**, 21, 167-180	10	48
62	Evolutionary responses to land use in eight common grassland plants. *Journal of Ecology*, **2017**, 105, 1290-1297	6	16
61	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. *Nature Ecology and Evolution*, **2017**, 1, 1639-1642	12.3	60
60	Interactions count: plant origin, herbivory and disturbance jointly explain seedling recruitment and community structure. *Scientific Reports*, **2017**, 7, 8288	4.9	1
59	The study of the variability of biomass from plants of the Elodea genus from a river in Germany over a period of two hydrological years for investigating their suitability for biogas production. *Energy, Sustainability and Society*, **2017**, 7,	3.9	5
58	Processes affecting altitudinal distribution of invasive Ageratina adenophora in western Himalaya: The role of local adaptation and the importance of different life-cycle stages. *PLoS ONE*, **2017**, 12, e0187708	3.7	22
57	Contributions of a global network of tree diversity experiments to sustainable forest plantations. *Ambio*, **2016**, 45, 29-41	6.5	151
56	Compensatory mechanisms of litter decomposition under alternating moisture regimes in tropical rice fields. *Applied Soil Ecology*, **2016**, 107, 79-90	5	24
55	Stronger effect of gastropods than rodents on seedling establishment, irrespective of exotic or native plant species origin. *Oikos*, **2016**, 125, 1467-1477	4	7
54	Mechanisms driving diversity-productivity relationships differ between exotic and native communities and are affected by gastropod herbivory. *Oecologia*, **2016**, 180, 1025-36	2.9	12
53	Driving mechanisms of overstorey–understorey diversity relationships in European forests. *Perspectives in Plant Ecology, Evolution and Systematics*, **2016**, 19, 21-29	3	29
52	Small-scale variability in the contribution of invertebrates to litter decomposition in tropical rice fields. *Basic and Applied Ecology*, **2015**, 16, 674-680	3.2	21
51	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. *Journal of Ecology*, **2015**, 103, 978-989	6	99
50	Tree diversity modifies distance-dependent effects on seedling emergence but not plant–soil feedbacks of temperate trees. *Ecology*, **2015**, 96, 1529-1539	4.6	8

49	Performance and responses to competition in two congeneric annual species: does seed heteromorphism matter?. *Plant Biology*, **2015**, 17, 1203-9	3.7	6
48	Effects of Residue Management on Decomposition in Irrigated Rice Fields Are Not Related to Changes in the Decomposer Community. *PLoS ONE*, **2015**, 10, e0134402	3.7	16
47	Herbivore preference drives plant community composition. *Ecology*, **2015**, 96, 2923-34	4.6	26
46	Environment rather than genetic background explains intraspecific variation in the protein-precipitating capacity of phenolic compounds in beech litter. *Plant Ecology and Diversity*, **2015**, 8, 73-79	2.2	5
45	Non-significant tree diversity but significant identity effects on earthworm communities in three tree diversity experiments. *European Journal of Soil Biology*, **2015**, 67, 17-26	2.9	26
44	Staged invasions across disparate grasslands: effects of seed provenance, consumers and disturbance on productivity and species richness. *Ecology Letters*, **2014**, 17, 499-507	10	41
43	Tree diversity and the role of non-host neighbour tree species in reducing fungal pathogen infestation. *Journal of Ecology*, **2014**, 102, 1673-1687	6	58
42	Does insect herbivory on oak depend on the diversity of tree stands?. *Basic and Applied Ecology*, **2014**, 15, 685-692	3.2	17
41	Adaptive and selective seed abortion reveals complex conditional decision making in plants. *American Naturalist*, **2014**, 183, 376-83	3.7	22
40	Drought resistance of native pioneer species indicates potential suitability for restoration of post-mining areas. *Web Ecology*, **2014**, 14, 65-74	1.7	3
39	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. *Perspectives in Plant Ecology, Evolution and Systematics*, **2013**, 15, 281-291	3	143
38	Land use causes genetic differentiation of life-history traits in Bromus hordeaceus. *Global Change Biology*, **2013**, 19, 892-9	11.4	13
37	How do extreme drought and plant community composition affect host plant metabolites and herbivore performance?. *Arthropod-Plant Interactions*, **2012**, 6, 15-25	2.2	41
36	Outcrossing breeding system does not compromise invasiveness in Buddleja davidii. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2012**, 207, 843-848	1.9	3
35	Geographical and land-use effects on seed-mass variation in common grassland plants. *Basic and Applied Ecology*, **2012**, 13, 395-404	3.2	17
34	Regional adaptation improves the performance of grassland plant communities. *Basic and Applied Ecology*, **2012**, 13, 551-559	3.2	20
33	Geographic variation in the response to drought in nine grassland species. *Basic and Applied Ecology* , **2011**, 12, 21-28	3.2	29
32	Multiple common garden experiments suggest lack of local adaptation in an invasive ornamental plant. *Journal of Plant Ecology*, **2011**, 4, 209-220	1.7	34

31	Testing hypotheses for exotic plant success: parallel experiments in the native and introduced ranges. *Ecology*, **2010**, 91, 1355-66	4.6	47
30	Impact of invertebrate herbivory in grasslands depends on plant species diversity. *Ecology*, **2010**, 91, 1639-50	4.6	57
29	Interactive effects of mycorrhizae and a root hemiparasite on plant community productivity and diversity. *Oecologia*, **2009**, 159, 191-205	2.9	29
28	Specific bottom-up effects of arbuscular mycorrhizal fungi across a plant-herbivore-parasitoid system. *Oecologia*, **2009**, 160, 267-77	2.9	74
27	Mahonia invasions in different habitats: local adaptation or general-purpose genotypes?. *Biological Invasions*, **2009**, 11, 441-452	2.7	24
26	Land Use Options Strategies and Adaptation to Global Change Terrestrial Environmental Research. *Gaia*, **2009**, 18, 77-80	1.4	14
25	Invasive Mahonia plants outgrow their native relatives. *Plant Ecology*, **2008**, 199, 21-31	1.7	11
24	Genetic relationships among three native North-American Mahonia species, invasive Mahonia populations from Europe, and commercial cultivars. *Plant Systematics and Evolution*, **2008**, 275, 219-229	1.3	9
23	Different gardens, different results: native and introduced populations exhibit contrasting phenotypes across common gardens. *Oecologia*, **2008**, 157, 239-48	2.9	78
22	Predicting the spread of an invasive plant: combining experiments and ecological niche model. *Ecography*, **2008**, 31, 709-719	6.5	49
21	Dispersal and seed limitation affect diversity and productivity of montane grasslands. *Oikos*, **2008**, 117, 1469-1478	4	43
20	The invasive shrub Buddleja davidii performs better in its introduced range. *Diversity and Distributions*, **2007**, 14, 225-233	5	49
19	Invasive Buddleja davidii allocates more nitrogen to its photosynthetic machinery than five native woody species. *Oecologia*, **2007**, 153, 501-10	2.9	94
18	Molecular evidence for multiple introductions of garlic mustard (Alliaria petiolata, Brassicaceae) to North America. *Molecular Ecology*, **2005**, 14, 1697-706	5.7	153
17	Seasonal changes in the relationship between plant species richness and community biomass in early succession. *Basic and Applied Ecology*, **2005**, 6, 385-394	3.2	18
16	Phenotypic and genetic differentiation between native and introduced plant populations. *Oecologia*, **2005**, 144, 1-11	2.9	766
15	Palatability and tolerance to simulated herbivory in native and introduced populations of Alliaria petiolata (Brassicaceae). *American Journal of Botany*, **2004**, 91, 856-62	2.7	70
14	Reduced competitive ability in an invasive plant. *Ecology Letters*, **2004**, 7, 346-353	10	131

13	Genetic variation in Sanguisorba minor after 6 years in situ selection under elevated CO2. *Global Change Biology*, **2004**, 10, 1389-1401	11.4	25
12	Resource dynamics in an early-successional plant community are influenced by insect exclusion. *Soil Biology and Biochemistry*, **2004**, 36, 1817-1826	7.5	9
11	Secondary succession is influenced by belowground insect herbivory on a productive site. *Oecologia* , **2004**, 138, 242-52	2.9	68
10	Does the Fretwell□Oksanen model apply to invertebrates?. *Oikos*, **2003**, 100, 203-207	4	18
9	Palatability, decomposition and insect herbivory: patterns in a successional old-field plant community. *Oikos*, **2003**, 103, 121-132	4	91
8	Demographic and random amplified polymorphic DNA analyses reveal high levels of genetic diversity in a clonal violet. *Molecular Ecology*, **2001**, 10, 1811-9	5.7	61
7	Plant and insect diversity along a pollution gradient: understanding species richness across trophic levels. *Biodiversity and Conservation*, **2001**, 10, 1497-1511	3.4	35
6	Spread of violets in polluted pine forests: morphological and molecular evidence for the ecological importance of interspecific hybridization. *Molecular Ecology*, **1999**, 8, 365-377	5.7	60
5	Seedling recruitment in the invasive clonal shrub, Mahonia aquifolium Pursh (Nutt.). *Oecologia*, **1997**, 110, 205-211	2.9	38
4	Spatiotemporal dynamics of abiotic and biotic properties explain biodiversity□ecosystem-functioning relationships. *Ecological Monographs*,e01490	9	1
3	Biotic and abiotic drivers of soil microbial functions across tree diversity experiments		1
2	Invasion science, ecology and economics: seeking roads not taken. *NeoBiota*,10, 1-5	4.2	2
1	For the sake of resilience and multifunctionality, let□s diversify planted forests!. *Conservation Letters*,e12829	6.9	17