

# Harald Auge

## List of Publications by Citations

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**Version:** 2024-04-25

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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	Phenotypic and genetic differentiation between native and introduced plant populations. <i>Oecologia</i> , <b>2005</b> , 144, 1-11	2.9	766
83	Molecular evidence for multiple introductions of garlic mustard ( <i>Alliaria petiolata</i> , Brassicaceae) to North America. <i>Molecular Ecology</i> , <b>2005</b> , 14, 1697-706	5.7	153
82	Contributions of a global network of tree diversity experiments to sustainable forest plantations. <i>Ambio</i> , <b>2016</b> , 45, 29-41	6.5	151
81	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2013</b> , 15, 281-291	3	143
80	Reduced competitive ability in an invasive plant. <i>Ecology Letters</i> , <b>2004</b> , 7, 346-353	10	131
79	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 1369-1394	3.42	117
78	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. <i>Journal of Ecology</i> , <b>2015</b> , 103, 978-989	6	99
77	Invasive <i>Buddleja davidii</i> allocates more nitrogen to its photosynthetic machinery than five native woody species. <i>Oecologia</i> , <b>2007</b> , 153, 501-10	2.9	94
76	Palatability, decomposition and insect herbivory: patterns in a successional old-field plant community. <i>Oikos</i> , <b>2003</b> , 103, 121-132	4	91
75	Different gardens, different results: native and introduced populations exhibit contrasting phenotypes across common gardens. <i>Oecologia</i> , <b>2008</b> , 157, 239-48	2.9	78
74	Specific bottom-up effects of arbuscular mycorrhizal fungi across a plant-herbivore-parasitoid system. <i>Oecologia</i> , <b>2009</b> , 160, 267-77	2.9	74
73	Palatability and tolerance to simulated herbivory in native and introduced populations of <i>Alliaria petiolata</i> (Brassicaceae). <i>American Journal of Botany</i> , <b>2004</b> , 91, 856-62	2.7	70
72	Secondary succession is influenced by belowground insect herbivory on a productive site. <i>Oecologia</i> , <b>2004</b> , 138, 242-52	2.9	68
71	Demographic and random amplified polymorphic DNA analyses reveal high levels of genetic diversity in a clonal violet. <i>Molecular Ecology</i> , <b>2001</b> , 10, 1811-9	5.7	61
70	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 1639-1642	12.3	60
69	Spread of violets in polluted pine forests: morphological and molecular evidence for the ecological importance of interspecific hybridization. <i>Molecular Ecology</i> , <b>1999</b> , 8, 365-377	5.7	60
68	Tree diversity and the role of non-host neighbour tree species in reducing fungal pathogen infestation. <i>Journal of Ecology</i> , <b>2014</b> , 102, 1673-1687	6	58

67	Impact of invertebrate herbivory in grasslands depends on plant species diversity. <i>Ecology</i> , <b>2010</b> , 91, 1639-50	4.6	57
66	A million and more trees for science. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 763-766	12.3	49
65	The invasive shrub <i>Buddleja davidii</i> performs better in its introduced range. <i>Diversity and Distributions</i> , <b>2007</b> , 14, 225-233	5	49
64	Predicting the spread of an invasive plant: combining experiments and ecological niche model. <i>Ecography</i> , <b>2008</b> , 31, 709-719	6.5	49
63	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (CAFE) approach. <i>Ecology Letters</i> , <b>2018</b> , 21, 167-180	10	48
62	Testing hypotheses for exotic plant success: parallel experiments in the native and introduced ranges. <i>Ecology</i> , <b>2010</b> , 91, 1355-66	4.6	47
61	Dispersal and seed limitation affect diversity and productivity of montane grasslands. <i>Oikos</i> , <b>2008</b> , 117, 1469-1478	4	43
60	Staged invasions across disparate grasslands: effects of seed provenance, consumers and disturbance on productivity and species richness. <i>Ecology Letters</i> , <b>2014</b> , 17, 499-507	10	41
59	How do extreme drought and plant community composition affect host plant metabolites and herbivore performance?. <i>Arthropod-Plant Interactions</i> , <b>2012</b> , 6, 15-25	2.2	41
58	Investigating the consequences of climate change under different land-use regimes: a novel experimental infrastructure. <i>Ecosphere</i> , <b>2019</b> , 10, e02635	3.1	39
57	Seedling recruitment in the invasive clonal shrub, <i>Mahonia aquifolium</i> Pursh (Nutt.). <i>Oecologia</i> , <b>1997</b> , 110, 205-211	2.9	38
56	We need more realistic climate change experiments for understanding ecosystems of the future. <i>Global Change Biology</i> , <b>2020</b> , 26, 325-327	11.4	36
55	Plant and insect diversity along a pollution gradient: understanding species richness across trophic levels. <i>Biodiversity and Conservation</i> , <b>2001</b> , 10, 1497-1511	3.4	35
54	The effects of drought and nutrient addition on soil organisms vary across taxonomic groups, but are constant across seasons. <i>Scientific Reports</i> , <b>2019</b> , 9, 639	4.9	34
53	Multiple common garden experiments suggest lack of local adaptation in an invasive ornamental plant. <i>Journal of Plant Ecology</i> , <b>2011</b> , 4, 209-220	1.7	34
52	Additive effects of experimental climate change and land use on faunal contribution to litter decomposition. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 131, 141-148	7.5	30
51	Geographic variation in the response to drought in nine grassland species. <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 21-28	3.2	29
50	Interactive effects of mycorrhizae and a root hemiparasite on plant community productivity and diversity. <i>Oecologia</i> , <b>2009</b> , 159, 191-205	2.9	29

49	Driving mechanisms of overstorey–understorey diversity relationships in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2016</b> , 19, 21-29	3	29
48	Herbivore preference drives plant community composition. <i>Ecology</i> , <b>2015</b> , 96, 2923-34	4.6	26
47	Non-significant tree diversity but significant identity effects on earthworm communities in three tree diversity experiments. <i>European Journal of Soil Biology</i> , <b>2015</b> , 67, 17-26	2.9	26
46	Genetic variation in <i>Sanguisorba minor</i> after 6 years in situ selection under elevated CO <sub>2</sub> . <i>Global Change Biology</i> , <b>2004</b> , 10, 1389-1401	11.4	25
45	Compensatory mechanisms of litter decomposition under alternating moisture regimes in tropical rice fields. <i>Applied Soil Ecology</i> , <b>2016</b> , 107, 79-90	5	24
44	Mahonia invasions in different habitats: local adaptation or general-purpose genotypes?. <i>Biological Invasions</i> , <b>2009</b> , 11, 441-452	2.7	24
43	Adaptive and selective seed abortion reveals complex conditional decision making in plants. <i>American Naturalist</i> , <b>2014</b> , 183, 376-83	3.7	22
42	Processes affecting altitudinal distribution of invasive <i>Ageratina adenophora</i> in western Himalaya: The role of local adaptation and the importance of different life-cycle stages. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187708	3.7	22
41	Small-scale variability in the contribution of invertebrates to litter decomposition in tropical rice fields. <i>Basic and Applied Ecology</i> , <b>2015</b> , 16, 674-680	3.2	21
40	Tree species identity determines wood decomposition via microclimatic effects. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 12113-12127	2.8	20
39	Regional adaptation improves the performance of grassland plant communities. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 551-559	3.2	20
38	Does the Fretwell–Oksanen model apply to invertebrates?. <i>Oikos</i> , <b>2003</b> , 100, 203-207	4	18
37	Seasonal changes in the relationship between plant species richness and community biomass in early succession. <i>Basic and Applied Ecology</i> , <b>2005</b> , 6, 385-394	3.2	18
36	Does insect herbivory on oak depend on the diversity of tree stands?. <i>Basic and Applied Ecology</i> , <b>2014</b> , 15, 685-692	3.2	17
35	Geographical and land-use effects on seed-mass variation in common grassland plants. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 395-404	3.2	17
34	For the sake of resilience and multifunctionality, let's diversify planted forests!. <i>Conservation Letters</i> , e12829	6.9	17
33	Evolutionary responses to land use in eight common grassland plants. <i>Journal of Ecology</i> , <b>2017</b> , 105, 1296-1297	6	16
32	Effects of Residue Management on Decomposition in Irrigated Rice Fields Are Not Related to Changes in the Decomposer Community. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134402	3.7	16

31	Land Use Options Strategies and Adaptation to Global Change Terrestrial Environmental Research. <i>Gaia</i> , <b>2009</b> , 18, 77-80	1.4	14
30	Land use causes genetic differentiation of life-history traits in <i>Bromus hordeaceus</i> . <i>Global Change Biology</i> , <b>2013</b> , 19, 892-9	11.4	13
29	Resilience trinity: safeguarding ecosystem functioning and services across three different time horizons and decision contexts. <i>Oikos</i> , <b>2020</b> , 129, 445-456	4	12
28	Mechanisms driving diversity-productivity relationships differ between exotic and native communities and are affected by gastropod herbivory. <i>Oecologia</i> , <b>2016</b> , 180, 1025-36	2.9	12
27	Responses of plant diversity to precipitation change are strongest at local spatial scales and in drylands. <i>Nature Communications</i> , <b>2021</b> , 12, 2489	17.4	12
26	Invasive <i>Mahonia</i> plants outgrow their native relatives. <i>Plant Ecology</i> , <b>2008</b> , 199, 21-31	1.7	11
25	Reducing dispersal limitation via seed addition increases species richness but not above-ground biomass. <i>Ecology Letters</i> , <b>2020</b> , 23, 1442-1450	10	9
24	Genetic relationships among three native North-American <i>Mahonia</i> species, invasive <i>Mahonia</i> populations from Europe, and commercial cultivars. <i>Plant Systematics and Evolution</i> , <b>2008</b> , 275, 219-229	1.3	9
23	Resource dynamics in an early-successional plant community are influenced by insect exclusion. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 1817-1826	7.5	9
22	Tree diversity modifies distance-dependent effects on seedling emergence but not plant-soil feedbacks of temperate trees. <i>Ecology</i> , <b>2015</b> , 96, 1529-1539	4.6	8
21	Stronger effect of gastropods than rodents on seedling establishment, irrespective of exotic or native plant species origin. <i>Oikos</i> , <b>2016</b> , 125, 1467-1477	4	7
20	Performance and responses to competition in two congeneric annual species: does seed heteromorphism matter?. <i>Plant Biology</i> , <b>2015</b> , 17, 1203-9	3.7	6
19	How do trees respond to species mixing in experimental compared to observational studies?. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 11254-11265	2.8	5
18	The study of the variability of biomass from plants of the <i>Elodea</i> genus from a river in Germany over a period of two hydrological years for investigating their suitability for biogas production. <i>Energy, Sustainability and Society</i> , <b>2017</b> , 7,	3.9	5
17	Environment rather than genetic background explains intraspecific variation in the protein-precipitating capacity of phenolic compounds in beech litter. <i>Plant Ecology and Diversity</i> , <b>2015</b> , 8, 73-79	2.2	5
16	Effects of altitude, land use and microsites on early life performance of a high mountain tree: Insights from an in situ sowing experiment. <i>Diversity and Distributions</i> , <b>2019</b> , 25, 1537-1550	5	4
15	Outcrossing breeding system does not compromise invasiveness in <i>Buddleja davidii</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , <b>2012</b> , 207, 843-848	1.9	3
14	Drought resistance of native pioneer species indicates potential suitability for restoration of post-mining areas. <i>Web Ecology</i> , <b>2014</b> , 14, 65-74	1.7	3

13	Invasion science, ecology and economics: seeking roads not taken. <i>NeoBiota</i> ,10, 1-5	4.2	2
12	Understanding plant communities of the future requires filling knowledge gaps. <i>Global Change Biology</i> , <b>2020</b> , 26, 328-329	11.4	2
11	Abundance, origin, and phylogeny of plants do not predict community-level patterns of pathogen diversity and infection. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 5506-5516	2.8	2
10	Interactions count: plant origin, herbivory and disturbance jointly explain seedling recruitment and community structure. <i>Scientific Reports</i> , <b>2017</b> , 7, 8288	4.9	1
9	Pre-adaptations and shifted chemical defences provide <i>Buddleja davidii</i> populations with high resistance against antagonists in the invasive range. <i>Biological Invasions</i> , <b>2019</b> , 21, 333-347	2.7	1
8	Abiotic factors are more important than land management and biotic interactions in shaping vascular plant and soil fungal communities. <i>Global Ecology and Conservation</i> , <b>2022</b> , 33, e01960	2.8	1
7	Foliar Fungal Endophytes in a Tree Diversity Experiment Are Driven by the Identity but Not the Diversity of Tree Species. <i>Life</i> , <b>2021</b> , 11,	3	1
6	Spatiotemporal dynamics of abiotic and biotic properties explain biodiversity-ecosystem-functioning relationships. <i>Ecological Monographs</i> ,e01490	9	1
5	Biotic and abiotic drivers of soil microbial functions across tree diversity experiments		1
4	Scale-dependent impact of land management on above- and belowground biodiversity. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 10139-10149	2.8	1
3	Effects of climate change and pollen supplementation on the reproductive success of two grassland plant species.. <i>Ecology and Evolution</i> , <b>2022</b> , 12, e8501	2.8	0
2	Natural enemies do not contribute to negative frequency-dependence in native and exotic grassland plants. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2020</b> , 46, 125565	3	0
1	Tree diversity effects on soil microbial biomass and respiration are context dependent across forest diversity experiments. <i>Global Ecology and Biogeography</i> , <b>2022</b> , 31, 872-885	6.1	0