

Stefan Dullinger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134 papers	9,377 citations	46 h-index	96 g-index
142 ext. papers	12,127 ext. citations	7.1 avg, IF	5.65 L-index

#	Paper	IF	Citations
134	No saturation in the accumulation of alien species worldwide. <i>Nature Communications</i> , 2017 , 8, 14435	17.4	863
133	Recent plant diversity changes on Europe's mountain summits. <i>Science</i> , 2012 , 336, 353-5	33.3	561
132	Are niche-based species distribution models transferable in space?. <i>Journal of Biogeography</i> , 2006 , 33, 1689-1703	4.1	527
131	Extinction debt of high-mountain plants under twenty-first-century climate change. <i>Nature Climate Change</i> , 2012 , 2, 619-622	21.4	444
130	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
129	21st century climate change threatens mountain flora unequally across Europe. <i>Global Change Biology</i> , 2011 , 17, 2330-2341	11.4	377
128	Socioeconomic legacy yields an invasion debt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 203-7	11.5	338
127	Accelerated increase in plant species richness on mountain summits is linked to warming. <i>Nature</i> , 2018 , 556, 231-234	50.4	329
126	A regional impact assessment of climate and land-use change on alpine vegetation. <i>Journal of Biogeography</i> , 2003 , 30, 401-417	4.1	287
125	Modelling climate change-driven treeline shifts: relative effects of temperature increase, dispersal and invasibility. <i>Journal of Ecology</i> , 2004 , 92, 241-252	6	280
124	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018 , 562, 57-62	50.4	264
123	Global rise in emerging alien species results from increased accessibility of new source pools. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2264-E2273	11.5	238
122	Naturalized alien flora of the world. <i>Preslia</i> , 2017 , 89, 203-274	3.9	230
121	Going against the flow: potential mechanisms for unexpected downslope range shifts in a warming climate. <i>Ecography</i> , 2010 , 33, 295	6.5	219
120	The influence of interspecific interactions on species range expansion rates. <i>Ecography</i> , 2014 , 37, 1198-1209	12.9	154
119	Range dynamics of mountain plants decrease with elevation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1848-1853	11.5	146
118	Benchmarking novel approaches for modelling species range dynamics. <i>Global Change Biology</i> , 2016 , 22, 2651-64	11.4	137

117	The changing role of ornamental horticulture in alien plant invasions. <i>Biological Reviews</i> , 2018 , 93, 1421-1437	11.3	131
116	Biological Flora of the British Isles: <i>Ambrosia artemisiifolia</i> . <i>Journal of Ecology</i> , 2015 , 103, 1069-1098	6	111
115	Projecting the continental accumulation of alien species through to 2050. <i>Global Change Biology</i> , 2020 , 27, 970	11.4	108
114	Late snowmelt delays plant development and results in lower reproductive success in the High Arctic. <i>Plant Science</i> , 2011 , 180, 157-67	5.3	107
113	Environmental determinants of vascular plant species richness in the Austrian Alps. <i>Journal of Biogeography</i> , 2005 , 32, 1117-1127	4.1	105
112	A dynamic eco-evolutionary model predicts slow response of alpine plants to climate warming. <i>Nature Communications</i> , 2017 , 8, 15399	17.4	99
111	A resampling approach for evaluating effects of pasture abandonment on subalpine plant species diversity. <i>Journal of Vegetation Science</i> , 2003 , 14, 243-252	3.1	99
110	Does probability of occurrence relate to population dynamics?. <i>Ecography</i> , 2014 , 37, 1155-1166	6.5	98
109	Europe's other debt crisis caused by the long legacy of future extinctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7342-7	11.5	90
108	Historical legacies accumulate to shape future biodiversity in an era of rapid global change. <i>Diversity and Distributions</i> , 2015 , 21, 534-547	5	88
107	Pilot study on road traffic emissions (PAHs, heavy metals) measured by using mosses in a tunnel experiment in Vienna, Austria. <i>Environmental Science and Pollution Research</i> , 2006 , 13, 398-405	5.1	86
106	Post-glacial migration lag restricts range filling of plants in the European Alps. <i>Global Ecology and Biogeography</i> , 2012 , 21, 829-840	6.1	77
105	The Global Naturalized Alien Flora (GloNAF) database. <i>Ecology</i> , 2019 , 100, e02542	4.6	75
104	Delayed biodiversity change: no time to waste. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 375-8	10.9	73
103	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. <i>Remote Sensing of Environment</i> , 2020 , 239, 111626	13.2	70
102	Vegetation classification and biogeography of European floodplain forests and alder carrs. <i>Applied Vegetation Science</i> , 2016 , 19, 147-163	3.3	68
101	Remoteness promotes biological invasions on islands worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9270-9275	11.5	66
100	Niche based distribution modelling of an invasive alien plant: effects of population status, propagule pressure and invasion history. <i>Biological Invasions</i> , 2009 , 11, 2401-2414	2.7	65

99	Climate change will increase the naturalization risk from garden plants in Europe. <i>Global Ecology and Biogeography</i> , 2017 , 26, 43-53	6.1	63
98	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. <i>Journal of Applied Ecology</i> , 2018 , 55, 92-98	5.8	62
97	A Conceptual Framework for Range-Expanding Species that Track Human-Induced Environmental Change. <i>BioScience</i> , 2019 , 69, 908-919	5.7	53
96	Spread of invasive ragweed: climate change, management and how to reduce allergy costs. <i>Journal of Applied Ecology</i> , 2013 , 50, 1422-1430	5.8	53
95	Selection for commercial forestry determines global patterns of alien conifer invasions. <i>Diversity and Distributions</i> , 2010 , 16, 911-921	5	53
94	Scale decisions can reverse conclusions on community assembly processes. <i>Global Ecology and Biogeography</i> , 2014 , 23, 620-632	6.1	51
93	Vulnerability of mires under climate change: implications for nature conservation and climate change adaptation. <i>Biodiversity and Conservation</i> , 2012 , 21, 655-669	3.4	50
92	A matter of scale: apparent niche differentiation of diploid and tetraploid plants may depend on extent and grain of analysis. <i>Journal of Biogeography</i> , 2016 , 43, 716-726	4.1	49
91	Correlations of polyploidy and apomixis with elevation and associated environmental gradients in an alpine plant. <i>AoB PLANTS</i> , 2016 , 8,	2.9	48
90	Invasive alien pests threaten the carbon stored in Europe's forests. <i>Nature Communications</i> , 2018 , 9, 1626	17.4	46
89	Diversity, biogeography and the global flows of alien amphibians and reptiles. <i>Diversity and Distributions</i> , 2017 , 23, 1313-1322	5	46
88	Drivers of future alien species impacts: An expert-based assessment. <i>Global Change Biology</i> , 2020 , 26, 4880-4893	11.4	45
87	Cross-scale analysis of the region effect on vascular plant species diversity in southern and northern European mountain ranges. <i>PLoS ONE</i> , 2010 , 5, e15734	3.7	43
86	Escaping to the summits: phylogeography and predicted range dynamics of <i>Cerastium dinaricum</i> , an endangered high mountain plant endemic to the western Balkan Peninsula. <i>Molecular Phylogenetics and Evolution</i> , 2014 , 78, 365-74	4.1	40
85	Microclimatic patterns correlate with the distribution of epiphyllous bryophytes in a tropical lowland rain forest in Costa Rica. <i>Journal of Tropical Ecology</i> , 2009 , 25, 321-330	1.3	40
84	Functional trait differences and trait plasticity mediate biotic resistance to potential plant invaders. <i>Journal of Ecology</i> , 2018 , 106, 1607-1620	6	36
83	Habitat-based conservation strategies cannot compensate for climate-change-induced range loss. <i>Nature Climate Change</i> , 2017 , 7, 823-827	21.4	35
82	Effects of snowmelt timing and competition on the performance of alpine snowbed plants. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2011 , 13, 15-26	3	34

81	Simulating plant invasion dynamics in mountain ecosystems under global change scenarios. <i>Global Change Biology</i> , 2018 , 24, e289-e302	11.4	33
80	Pathways to polyploidy: indications of a female triploid bridge in the alpine species (Ranunculaceae). <i>Plant Systematics and Evolution</i> , 2017 , 303, 1093-1108	1.3	33
79	Idiosyncratic responses of high Arctic plants to changing snow regimes. <i>PLoS ONE</i> , 2014 , 9, e86281	3.7	33
78	Niche dynamics of alien species do not differ among sexual and apomictic flowering plants. <i>New Phytologist</i> , 2016 , 209, 1313-23	9.8	33
77	Extinction debts and colonization credits of non-forest plants in the European Alps. <i>Nature Communications</i> , 2019 , 10, 4293	17.4	32
76	Drivers of the relative richness of naturalized and invasive plant species on Earth. <i>AoB PLANTS</i> , 2019 , 11, plz051	2.9	31
75	Tree cover at fine and coarse spatial grains interacts with shade tolerance to shape plant species distributions across the Alps. <i>Ecography</i> , 2015 , 38, 578-589	6.5	30
74	Elevational rear edges shifted at least as much as leading edges over the last century. <i>Global Ecology and Biogeography</i> , 2019 , 28, 533-543	6.1	30
73	How well do we know species richness in a well-known continent? Temporal patterns of endemic and widespread species descriptions in the European fauna. <i>Global Ecology and Biogeography</i> , 2013 , 22, 29-39	6.1	29
72	Revisiting tree-migration rates: <i>Abies alba</i> (Mill.), a case study. <i>Vegetation History and Archaeobotany</i> , 2014 , 23, 113-122	2.6	28
71	Uncertainty in predicting range dynamics of endemic alpine plants under climate warming. <i>Global Change Biology</i> , 2016 , 22, 2608-19	11.4	28
70	Space matters when defining effective management for invasive plants. <i>Diversity and Distributions</i> , 2014 , 20, 1029-1043	5	27
69	Macroecological drivers of alien conifer naturalizations worldwide. <i>Ecography</i> , 2011 , 34, 1076-1084	6.5	27
68	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1402-1411	6.1	27
67	Disjunct populations of European vascular plant species keep the same climatic niches. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1401-1412	6.1	26
66	Native, alien, endemic, threatened, and extinct species diversity in European countries. <i>Biological Conservation</i> , 2013 , 164, 90-97	6.2	26
65	Experimental evaluation of seed limitation in alpine snowbed plants. <i>PLoS ONE</i> , 2011 , 6, e21537	3.7	25
64	Imprints of glacial history and current environment on correlations between endemic plant and invertebrate species richness. <i>Journal of Biogeography</i> , 2011 , 38, 604-614	4.1	24

63	European ornamental garden flora as an invasion debt under climate change. <i>Journal of Applied Ecology</i> , 2018 , 55, 2386-2395	5.8	23
62	Modelling the effect of habitat fragmentation on climate-driven migration of European forest understorey plants. <i>Diversity and Distributions</i> , 2015 , 21, 1375-1387	5	23
61	Setup, efforts and practical experiences of a monitoring program for genetically modified plants - an Austrian case study for oilseed rape and maize. <i>Environmental Sciences Europe</i> , 2011 , 23,		23
60	Climatic and edaphic controls over tropical forest diversity and vegetation carbon storage. <i>Scientific Reports</i> , 2020 , 10, 5066	4.9	21
59	Effects of cold treatments on fitness and mode of reproduction in the diploid and polyploid alpine plant <i>Ranunculus kuepferi</i> (Ranunculaceae). <i>Annals of Botany</i> , 2018 , 121, 1287-1298	4.1	21
58	Reconstructing geographical parthenogenesis: effects of niche differentiation and reproductive mode on Holocene range expansion of an alpine plant. <i>Ecology Letters</i> , 2018 , 21, 392-401	10	21
57	Of niches and distributions: range size increases with niche breadth both globally and regionally but regional estimates poorly relate to global estimates. <i>Ecography</i> , 2019 , 42, 467-477	6.5	21
56	Telling a different story: a global assessment of bryophyte invasions. <i>Biological Invasions</i> , 2013 , 15, 1933-1946	2.7	21
55	Little, but increasing evidence of impacts by alien bryophytes. <i>Biological Invasions</i> , 2014 , 16, 1175-1184	2.7	20
54	Snapshot isolation and isolation history challenge the analogy between mountains and islands used to understand endemism. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1651-1673	6.1	20
53	Long-term impacts of nitrogen and sulphur deposition on forest floor vegetation in the Northern limestone Alps, Austria. <i>Applied Vegetation Science</i> , 2008 , 11, 395-404	3.3	19
52	A Framework for Global Twenty-First Century Scenarios and Models of Biological Invasions. <i>BioScience</i> , 2019 , 69, 697-710	5.7	18
51	Different factors affect the local distribution, persistence and spread of alien tree species in floodplain forests. <i>Basic and Applied Ecology</i> , 2014 , 15, 426-434	3.2	18
50	Patch configuration affects alpine plant distribution. <i>Ecography</i> , 2011 , 34, 576-587	6.5	18
49	Modelling the Holocene migrational dynamics of <i>Fagus sylvatica</i> L. and <i>Picea abies</i> (L.) H. Karst. <i>Global Ecology and Biogeography</i> , 2014 , 23, 658-668	6.1	16
48	Effect of nitrogen availability on forest understorey cover and its consequences for tree regeneration in the Austrian limestone Alps. <i>Plant Ecology</i> , 2010 , 209, 11-22	1.7	16
47	Hiking trails as conduits for the spread of non-native species in mountain areas. <i>Biological Invasions</i> , 2020 , 22, 1121-1134	2.7	16
46	Scientific and Normative Foundations for the Valuation of Alien-Species Impacts: Thirteen Core Principles. <i>BioScience</i> , 2016 , biw160	5.7	16

45	A socio-ecological model for predicting impacts of land-use and climate change on regional plant diversity in the Austrian Alps. <i>Global Change Biology</i> , 2020 , 26, 2336	11.4	15
44	Recent changes in alpine vegetation differ among plant communities. <i>Journal of Vegetation Science</i> , 2016 , 27, 1177-1186	3.1	14
43	What Will the Future Bring for Biological Invasions on Islands? An Expert-Based Assessment. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	14
42	Will climate change increase hybridization risk between potential plant invaders and their congeners in Europe?. <i>Diversity and Distributions</i> , 2017 , 23, 934-943	5	12
41	Significant decrease in epiphytic lichen diversity in a remote area in the European Alps, Austria. <i>Basic and Applied Ecology</i> , 2013 , 14, 396-403	3.2	12
40	Introducing AlienScenarios: a project to develop scenarios and models of biological invasions for the 21 st century. <i>NeoBiota</i> , 2017 , 45, 1-17	4.2	10
39	Macroecology of global bryophyte invasions at different invasion stages. <i>Ecography</i> , 2015 , 38, 488-498	6.5	9
38	Biodiversity models need to represent land-use intensity more comprehensively. <i>Global Ecology and Biogeography</i> , 2021 , 30, 924-932	6.1	9
37	Pluralism in grassland management promotes butterfly diversity in a large Central European conservation area. <i>Journal of Insect Conservation</i> , 2017 , 21, 277-285	2.1	8
36	Do metal concentrations in moss from the Zackenberg area, Northeast Greenland, provide a baseline for monitoring?. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 91-8	5.1	8
35	The Alps Vegetation Database is a geo-referenced community-level archive of all terrestrial plants occurring in the Alps. <i>Biodiversity and Ecology = Biodiversität Und Ökologie</i> , 2012 , 4, 331-332		8
34	Accounting for imperfect observation and estimating true species distributions in modelling biological invasions. <i>Ecography</i> , 2017 , 40, 1187-1197	6.5	7
33	Changes in plant life-form, pollination syndrome and breeding system at a regional scale promoted by land use intensity. <i>Diversity and Distributions</i> , 2015 , 21, 1319-1328	5	7
32	Mating systems of snowbed plant species of the northeastern Calcareous Alps of Austria. <i>Acta Oecologica</i> , 2007 , 31, 203-209	1.7	7
31	Is local trait variation related to total range size of tropical trees?. <i>PLoS ONE</i> , 2018 , 13, e0193268	3.7	7
30	Post-glacial determinants of regional species pools in alpine grasslands. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1101-1115	6.1	7
29	Habitat availability disproportionally amplifies climate change risks for lowland compared to alpine species. <i>Global Ecology and Conservation</i> , 2020 , 23, e01113	2.8	6
28	Organic matter accumulation following <i>Pinus mugo</i> Turra establishment in subalpine pastures. <i>Plant Ecology and Diversity</i> , 2008 , 1, 59-66	2.2	6

27	A resampling approach for evaluating effects of pasture abandonment on subalpine plant species diversity 2003 , 14, 243		6
26	Recovery of aboveground biomass, species richness and composition in tropical secondary forests in SW Costa Rica. <i>Forest Ecology and Management</i> , 2021 , 479, 118580	3.9	6
25	A new method for jointly assessing effects of climate change and nitrogen deposition on habitats. <i>Biological Conservation</i> , 2018 , 228, 52-61	6.2	6
24	Traits indicating a conservative resource strategy are weakly related to narrow range size in a group of neotropical trees. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018 , 32, 30-37	3	5
23	Benefits and costs of controlling three allergenic alien species under climate change and dispersal scenarios in Central Europe. <i>Environmental Science and Policy</i> , 2016 , 56, 9-21	6.2	5
22	A new high-resolution habitat distribution map for Austria, Liechtenstein, southern Germany, South Tyrol and Switzerland. <i>Eco Mont</i> , 2015 , 7, 18-29	2	5
21	Role of diversification rates and evolutionary history as a driver of plant naturalization success. <i>New Phytologist</i> , 2021 , 229, 2998-3008	9.8	5
20	Validation of and comparison between a semidistributed rainfall-runoff hydrological model (PREVAH) and a spatially distributed snow-evolution model (SnowModel) for snow cover prediction in mountain ecosystems. <i>Ecohydrology</i> , 2015 , 8, 1181-1193	2.5	4
19	Epigenetic Patterns and Geographical Parthenogenesis in the Alpine Plant Species (Ranunculaceae). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
18	Insect herbivory in alpine grasslands is constrained by community and host traits. <i>Journal of Vegetation Science</i> , 2015 , 26, 663-673	3.1	4
17	Relative effects of land conversion and land-use intensity on terrestrial vertebrate diversity.. <i>Nature Communications</i> , 2022 , 13, 615	17.4	4
16	Alternative futures for global biological invasions. <i>Sustainability Science</i> , 2021 , 16, 1637-1650	6.4	4
15	A Source Area Approach Demonstrates Moderate Predictive Ability but Pronounced Variability of Invasive Species Traits. <i>PLoS ONE</i> , 2016 , 11, e0155547	3.7	4
14	An integrated, spatio-temporal modelling framework for analysing biological invasions. <i>Diversity and Distributions</i> , 2018 , 24, 652-665	5	3
13	Identifying alien bryophytes taking into account uncertainties: a reply to Pati & Vanderpoorten (2015). <i>Journal of Biogeography</i> , 2015 , 42, 1362-1363	4.1	3
12	Distinct Biogeographic Phenomena Require a Specific Terminology: A Reply to Wilson and Sagoff. <i>BioScience</i> , 2020 , 70, 112-114	5.7	2
11	An analysis of weed floras in nurseries: Do polytunnels serve as ports of entry for alien plant species?. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2015 , 213, 6-11	1.9	2
10	The role of habitat, landscape structure and residence time on plant species invasions in a neotropical landscape. <i>Journal of Tropical Ecology</i> , 2016 , 32, 240-249	1.3	2

9	Resident vegetation modifies climate-driven elevational shift of a mountain sedge. <i>Alpine Botany</i> , 2021 , 131, 13-25	2.5	2
8	Evaluating climatic threats to habitat types based on co-occurrence patterns of characteristic species. <i>Basic and Applied Ecology</i> , 2019 , 38, 23-35	3.2	1
7	Climate warming may increase the frequency of cold-adapted haplotypes in alpine plants. <i>Nature Climate Change</i> , 2022 , 12, 77-82	21.4	1
6	Critical Scales for Long-Term Socio-ecological Biodiversity Research 2013 , 123-138		1
5	Future Representation of Species[Climatic Niches in Protected Areas: A Case Study With Austrian Endemics. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	1
4	Effects of climate change and horticultural use on the spread of naturalized alien garden plants in Europe. <i>Ecography</i> , 2019 , 42, 1548-1557	6.5	0
3	Deadwood volumes matter in epixylic bryophyte conservation, but precipitation limits the establishment of substrate-specific communities. <i>Forest Ecology and Management</i> , 2021 , 493, 119285	3.9	0
2	What is valued in conservation? A framework to compare ethical perspectives. <i>NeoBiota</i> , 72 , 45-80	4.2	0
1	Taxonomic, functional and phylogenetic bird diversity response to coffee farming intensity along an elevational gradient in Costa Rica. <i>Agriculture, Ecosystems and Environment</i> , 2022 , 326, 107801	5.7	