Stefan Dullinger

List of Publications by Year
in descending order

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136	14,635	36203	22102
papers	citations	51 h-index	113 g-index

142	142	142	16570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Taxonomic, functional and phylogenetic bird diversity response to coffee farming intensity along an elevational gradient in Costa Rica. Agriculture, Ecosystems and Environment, 2022, 326, 107801.	2.5	1
2	Climate warming may increase the frequency of cold-adapted haplotypes in alpine plants. Nature Climate Change, 2022, 12, 77-82.	8.1	12
3	Relative effects of land conversion and land-use intensity on terrestrial vertebrate diversity. Nature Communications, 2022, 13, 615.	5.8	29
4	Central European forestâ€“steppe: An ecosystem shaped by climate, topography and disturbances. Journal of Biogeography, 2022, 49, 1006-1020.	1.4	16
5	Postglacial range expansion of highâ€elevation plants is restricted by dispersal ability and habitat specialization. Journal of Biogeography, 2022, 49, 1739-1752.	1.4	4
6	Recovery of aboveground biomass, species richness and composition in tropical secondary forests in SW Costa Rica. Forest Ecology and Management, 2021, 479, 118580.	1.4	24
7	Resident vegetation modifies climate-driven elevational shift of a mountain sedge. Alpine Botany, 2021, 131, 13-25.	1.1	5
8	Role of diversification rates and evolutionary history as a driver of plant naturalization success. New Phytologist, 2021, 229, 2998-3008.	3.5	19
9	Postâ€glacial determinants of regional species pools in alpine grasslands. Global Ecology and Biogeography, 2021, 30, 1101-1115.	2.7	22
10	Biodiversity models need to represent landâ€use intensity more comprehensively. Global Ecology and Biogeography, 2021, 30, 924-932.	2.7	25
11	Alternative futures for global biological invasions. Sustainability Science, 2021, 16, 1637-1650.	2.5	25
12	Deadwood volumes matter in epixylic bryophyte conservation, but precipitation limits the establishment of substrate-specific communities. Forest Ecology and Management, 2021, 493, 119285.	1.4	9
13	Future Representation of Speciesâ€™ Climatic Niches in Protected Areas: A Case Study With Austrian Endemics. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	6
14	Projecting the continental accumulation of alien species through to 2050. Global Change Biology, 2021, 27, 970-982.	4.2	327
15	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
16	Hiking trails as conduits for the spread of non-native species in mountain areas. Biological Invasions, 2020, 22, 1121-1134.	1.2	43
17	Drivers of future alien species impacts: An expertâ€based assessment. Global Change Biology, 2020, 26, 4880-4893.	4.2	145
18	Snapshot isolation and isolation history challenge the analogy between mountains and islands used to understand endemism. Global Ecology and Biogeography, 2020, 29, 1651-1673.	2.7	49

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19	What Will the Future Bring for Biological Invasions on Islands? An Expert-Based Assessment. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	33
20	Epigenetic Patterns and Geographical Parthenogenesis in the Alpine Plant Species Ranunculus kuepferi (Ranunculaceae). International Journal of Molecular Sciences, 2020, 21, 3318.	1.8	8
21	Habitat availability disproportionally amplifies climate change risks for lowland compared to alpine species. Global Ecology and Conservation, 2020, 23, e01113.	1.0	14
22	Climatic and edaphic controls over tropical forest diversity and vegetation carbon storage. Scientific Reports, 2020, 10, 5066.	1.6	55
23	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. Remote Sensing of Environment, 2020, 239, 111626.	4.6	142
24	Distinct Biogeographic Phenomena Require a Specific Terminology: A Reply to Wilson and Sagoff. BioScience, 2020, 70, 112-114.	2.2	5
25	A socioâ€ecological model for predicting impacts of landâ€use and climate change on regional plant diversity in the Austrian Alps. Global Change Biology, 2020, 26, 2336-2352.	4.2	26
26	Of niches and distributions: range size increases with niche breadth both globally and regionally but regional estimates poorly relate to global estimates. Ecography, 2019, 42, 467-477.	2.1	41
27	Drivers of the relative richness of naturalized and invasive plant species on Earth. AoB PLANTS, 2019, 11, plz051.	1.2	72
28	A Framework for Global Twenty-First Century Scenarios and Models of Biological Invasions. BioScience, 2019, 69, 697-710.	2.2	38
29	Extinction debts and colonization credits of non-forest plants in the European Alps. Nature Communications, 2019, 10, 4293.	5.8	63
30	A Conceptual Framework for Range-Expanding Species that Track Human-Induced Environmental Change. BioScience, 2019, 69, 908-919.	2.2	113
31	Evaluating climatic threats to habitat types based on co-occurrence patterns of characteristic species. Basic and Applied Ecology, 2019, 38, 23-35.	1.2	4
32	Effects of climate change and horticultural use on the spread of naturalized alien garden plants in Europe. Ecography, 2019, 42, 1548-1557.	2.1	2
33	Elevational rear edges shifted at least as much as leading edges over the last century. Global Ecology and Biogeography, 2019, 28, 533-543.	2.7	75
34	The Global Naturalized Alien Flora (Glo<scp>NAF</scp>) database. Ecology, 2019, 100, e02542.	1.5	189
35	An integrated, spatioâ€temporal modelling framework for analysing biological invasions. Diversity and Distributions, 2018, 24, 652-665.	1.9	5
36	Effects of cold treatments on fitness and mode of reproduction in the diploid and polyploid alpine plant Ranunculus kuepferi (Ranunculaceae). Annals of Botany, 2018, 121, 1287-1298.	1.4	35

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37	The changing role of ornamental horticulture in alien plant invasions. Biological Reviews, 2018, 93, 1421-1437.	4.7	251
38	Invasive alien pests threaten the carbon stored in Europeâ€™s forests. Nature Communications, 2018, 9, 1626.	5.8	78
39	Accelerated increase in plant species richness on mountain summits is linked to warming. Nature, 2018, 556, 231-234.	13.7	580
40	Global rise in emerging alien species results from increased accessibility of new source pools. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2264-E2273.	3.3	416
41	Traits indicating a conservative resource strategy are weakly related to narrow range size in a group of neotropical trees. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 32, 30-37.	1.1	6
42	Range dynamics of mountain plants decrease with elevation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1848-1853.	3.3	284
43	Reconstructing geographical parthenogenesis: effects of niche differentiation and reproductive mode on Holocene range expansion of an alpine plant. Ecology Letters, 2018, 21, 392-401.	3.0	32
44	Functional trait differences and trait plasticity mediate biotic resistance to potential plant invaders. Journal of Ecology, 2018, 106, 1607-1620.	1.9	50
45	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. Journal of Applied Ecology, 2018, 55, 92-98.	1.9	108
46	Simulating plant invasion dynamics in mountain ecosystems under global change scenarios. Global Change Biology, 2018, 24, e289-e302.	4.2	54
47	Tundra Trait Team: A database of plant traits spanning the tundra biome. Global Ecology and Biogeography, 2018, 27, 1402-1411.	2.7	57
48	Plant functional trait change across a warming tundra biome. Nature, 2018, 562, 57-62.	13.7	451
49	A new method for jointly assessing effects of climate change and nitrogen deposition on habitats. Biological Conservation, 2018, 228, 52-61.	1.9	11
50	Remoteness promotes biological invasions on islands worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9270-9275.	3.3	114
51	European ornamental garden flora as an invasion debt under climate change. Journal of Applied Ecology, 2018, 55, 2386-2395.	1.9	45
52	Is local trait variation related to total range size of tropical trees?. PLoS ONE, 2018, 13, e0193268.	1.1	7
53	No saturation in the accumulation of alien species worldwide. Nature Communications, 2017, 8, 14435.	5.8	1,543
54	A dynamic eco-evolutionary model predicts slow response of alpine plants to climate warming. Nature Communications, 2017, 8, 15399.	5.8	153

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55	Will climate change increase hybridization risk between potential plant invaders and their congeners in Europe?. Diversity and Distributions, 2017, 23, 934-943.	1.9	19
56	Habitat-based conservation strategies cannot compensate for climate-change-induced rangeÂloss. Nature Climate Change, 2017, 7, 823-827.	8.1	55
57	Diversity, biogeography and the global flows of alien amphibians and reptiles. Diversity and Distributions, 2017, 23, 1313-1322.	1.9	87
58	Pluralism in grassland management promotes butterfly diversity in a large Central European conservation area. Journal of Insect Conservation, 2017, 21, 277-285.	0.8	13
59	Pathways to polyploidy: indications of a female triploid bridge in the alpine species Ranunculus kuepferi (Ranunculaceae). Plant Systematics and Evolution, 2017, 303, 1093-1108.	0.3	80
60	Climate change will increase the naturalization risk from garden plants in Europe. Global Ecology and Biogeography, 2017, 26, 43-53.	2.7	87
61	Accounting for imperfect observation and estimating true species distributions in modelling biological invasions. Ecography, 2017, 40, 1187-1197.	2.1	11
62	Naturalized alien flora of the world. Preslia, 2017, 89, 203-274.	1.1	350
63	A Source Area Approach Demonstrates Moderate Predictive Ability but Pronounced Variability of Invasive Species Traits. PLoS ONE, 2016, 11, e0155547.	1.1	5
64	Uncertainty in predicting range dynamics of endemic alpine plants under climate warming. Global Change Biology, 2016, 22, 2608-2619.	4.2	40
65	Benchmarking novel approaches for modelling speciesÂrange dynamics. Global Change Biology, 2016, 22, 2651-2664.	4.2	180
66	Correlations of polyploidy and apomixis with elevation and associated environmental gradients in an alpine plant. AoB PLANTS, 2016, 8, .	1.2	102
67	A matter of scale: apparent niche differentiation of diploid and tetraploid plants may depend on extent and grain of analysis. Journal of Biogeography, 2016, 43, 716-726.	1.4	73
68	Niche dynamics of alien species do not differ among sexual and apomictic flowering plants. New Phytologist, 2016, 209, 1313-1323.	3.5	38
69	The role of habitat, landscape structure and residence time on plant species invasions in a neotropical landscape. Journal of Tropical Ecology, 2016, 32, 240-249.	0.5	4
70	Vegetation classification and biogeography of European floodplain forests and alder carrs. Applied Vegetation Science, 2016, 19, 147-163.	0.9	89
71	Recent changes in alpine vegetation differ among plant communities. Journal of Vegetation Science, 2016, 27, 1177-1186.	1.1	20
72	Benefits and costs of controlling three allergenic alien species under climate change and dispersal scenarios in Central Europe. Environmental Science and Policy, 2016, 56, 9-21.	2.4	8

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73	Identifying alien bryophytes taking into account uncertainties: a reply to PatiÃ±o & Vanderpoorten (2015). Journal of Biogeography, 2015, 42, 1362-1363.	1.4	3
74	Modelling the effect of habitat fragmentation on climateâ€driven migration of European forest understorey plants. Diversity and Distributions, 2015, 21, 1375-1387.	1.9	32
75	Disjunct populations of <scp>E</scp>uropean vascular plant species keep the same climatic niches. Global Ecology and Biogeography, 2015, 24, 1401-1412.	2.7	39
76	Changes in plant lifeâ€form, pollination syndrome and breeding system at a regional scale promoted by land use intensity. Diversity and Distributions, 2015, 21, 1319-1328.	1.9	10
77	Insect herbivory in alpine grasslands is constrained by community and host traits. Journal of Vegetation Science, 2015, 26, 663-673.	1.1	7
78	An analysis of weed floras in nurseries: Do polytunnels serve as ports of entry for alien plant species?. Flora: Morphology, Distribution, Functional Ecology of Plants, 2015, 213, 6-11.	0.6	2
79	Delayed biodiversity change: no time to waste. Trends in Ecology and Evolution, 2015, 30, 375-378.	4.2	92
80	Validation of and comparison between a semidistributed rainfallâ€“runoff hydrological model (PREVAH) and a spatially distributed snowâ€evolution model (SnowModel) for snow cover prediction in mountain ecosystems. Ecohydrology, 2015, 8, 1181-1193.	1.1	5
81	Biological Flora of the British Isles: Ambrosia artemisiifolia. Journal of Ecology, 2015, 103, 1069-1098.	1.9	164
82	Historical legacies accumulate to shape future biodiversity in an era of rapid global change. Diversity and Distributions, 2015, 21, 534-547.	1.9	112
83	Macroecology of global bryophyte invasions at different invasion stages. Ecography, 2015, 38, 488-498.	2.1	11
84	Tree cover at fine and coarse spatial grains interacts with shade tolerance to shape plant species distributions across the Alps. Ecography, 2015, 38, 578-589.	2.1	38
85	A new high-resolution habitat distribution map for Austria, Liechtenstein, southern Germany, South Tyrol and Switzerland. Eco Mont, 2015, 7, 18-29.	0.1	6
86	Idiosyncratic Responses of High Arctic Plants to Changing Snow Regimes. PLoS ONE, 2014, 9, e86281.	1.1	45
87	Space matters when defining effective management for invasive plants. Diversity and Distributions, 2014, 20, 1029-1043.	1.9	30
88	Modelling the <scp>H</scp>olocene migrational dynamics of <scp>F</scp>agus sylvaticaâ€…<scp>L.</scp> and <scp>P</scp>icea abies (<scp>L</scp>.) <scp>H</scp>. <scp>K</scp>arst. Global Ecology and Biogeography, 2014, 23, 658-668.	2.7	18
89	Revisiting tree-migration rates: Abies alba (Mill.), a case study. Vegetation History and Archaeobotany, 2014, 23, 113-122.	1.0	30
90	Little, but increasing evidence of impacts by alien bryophytes. Biological Invasions, 2014, 16, 1175-1184.	1.2	23

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91	Scale decisions can reverse conclusions on community assembly processes. Global Ecology and Biogeography, 2014, 23, 620-632.	2.7	63
92	The influence of interspecific interactions on species range expansion rates. Ecography, 2014, 37, 1198-1209.	2.1	196
93	Does probability of occurrence relate to population dynamics?. Ecography, 2014, 37, 1155-1166.	2.1	127
94	Different factors affect the local distribution, persistence and spread of alien tree species in floodplain forests. Basic and Applied Ecology, 2014, 15, 426-434.	1.2	23
95	Escaping to the summits: Phylogeography and predicted range dynamics of Cerastium dinaricum, an endangered high mountain plant endemic to the western Balkan Peninsula. Molecular Phylogenetics and Evolution, 2014, 78, 365-374.	1.2	51
96	How well do we know species richness in a wellâ€known continent? Temporal patterns of endemic and widespread species descriptions in the <scp>E</scp>uropean fauna. Global Ecology and Biogeography, 2013, 22, 29-39.	2.7	36
97	Telling a different story: a global assessment of bryophyte invasions. Biological Invasions, 2013, 15, 1933-1946.	1.2	25
98	Significant decrease in epiphytic lichen diversity in a remote area in the European Alps, Austria. Basic and Applied Ecology, 2013, 14, 396-403.	1.2	17
99	Native, alien, endemic, threatened, and extinct species diversity in European countries. Biological Conservation, 2013, 164, 90-97.	1.9	35
100	Spread of invasive ragweed: climate change, management and how to reduce allergy costs. Journal of Applied Ecology, 2013, 50, 1422-1430.	1.9	62
101	Europeâ€™s other debt crisis caused by the long legacy of future extinctions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7342-7347.	3.3	102
102	Critical Scales for Long-Term Socio-ecological Biodiversity Research. , 2013, , 123-138.		4
103	Extinction debt of high-mountain plants under twenty-first-century climate change. Nature Climate Change, 2012, 2, 619-622.	8.1	582
104	Recent Plant Diversity Changes on Europeâ€™s Mountain Summits. Science, 2012, 336, 353-355.	6.0	732
105	Postâ€glacial migration lag restricts range filling of plants in the European Alps. Global Ecology and Biogeography, 2012, 21, 829-840.	2.7	91
106	Vulnerability of mires under climate change: implications for nature conservation and climate change adaptation. Biodiversity and Conservation, 2012, 21, 655-669.	1.2	61
107	The Alps Vegetation Database â€“ a geo-referenced community-level archive of all terrestrial plants occurring in the Alps. Biodiversity and Ecology = Biodiversitat Und Okologie, 2012, 4, 331-332.	0.2	8
108	Late snowmelt delays plant development and results in lower reproductive success in the High Arctic. Plant Science, 2011, 180, 157-167.	1.7	133

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109	Effects of snowmelt timing and competition on the performance of alpine snowbed plants. Perspectives in Plant Ecology, Evolution and Systematics, 2011, 13, 15-26.	1.1	38
110	Imprints of glacial history and current environment on correlations between endemic plant and invertebrate species richness. Journal of Biogeography, 2011, 38, 604-614.	1.4	29
111	21st century climate change threatens mountain flora unequally across Europe. Global Change Biology, 2011, 17, 2330-2341.	4.2	478
112	Patch configuration affects alpine plant distribution. Ecography, 2011, 34, 576-587.	2.1	21
113	Macroecological drivers of alien conifer naturalizations worldwide. Ecography, 2011, 34, 1076-1084.	2.1	32
114	Do metal concentrations in moss from the Zackenberg area, Northeast Greenland, provide a baseline for monitoring?. Environmental Science and Pollution Research, 2011, 18, 91-98.	2.7	11
115	Setup, efforts and practical experiences of a monitoring program for genetically modified plants - an Austrian case study for oilseed rape and maize. Environmental Sciences Europe, 2011, 23, .	11.0	26
116	Socioeconomic legacy yields an invasion debt. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 203-207.	3.3	442
117	Experimental Evaluation of Seed Limitation in Alpine Snowbed Plants. PLoS ONE, 2011, 6, e21537.	1.1	33
118	Effect of nitrogen availability on forest understorey cover and its consequences for tree regeneration in the Austrian limestone Alps. Plant Ecology, 2010, 209, 11-22.	0.7	18
119	Selection for commercial forestry determines global patterns of alien conifer invasions. Diversity and Distributions, 2010, 16, 911-921.	1.9	69
120	Going against the flow: potential mechanisms for unexpected downslope range shifts in a warming climate. Ecography, 2010, 33, 295-303.	2.1	304
121	Cross-Scale Analysis of the Region Effect on Vascular Plant Species Diversity in Southern and Northern European Mountain Ranges. PLoS ONE, 2010, 5, e15734.	1.1	53
122	Microclimatic patterns correlate with the distribution of epiphyllous bryophytes in a tropical lowland rain forest in Costa Rica. Journal of Tropical Ecology, 2009, 25, 321-330.	0.5	53
123	Niche based distribution modelling of an invasive alien plant: effects of population status, propagule pressure and invasion history. Biological Invasions, 2009, 11, 2401-2414.	1.2	69
124	Longâ€term impacts of nitrogen and sulphur deposition on forest floor vegetation in the Northern limestone Alps, Austria. Applied Vegetation Science, 2008, 11, 395-404.	0.9	23
125	Organic matter accumulation followingPinus mugoTurra establishment in subalpine pastures. Plant Ecology and Diversity, 2008, 1, 59-66.	1.0	7
126	Mating systems of snowbed plant species of the northeastern Calcareous Alps of Austria. Acta Oecologica, 2007, 31, 203-209.	0.5	10

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127	Are niche-based species distribution models transferable in space?. Journal of Biogeography, 2006, 33, 1689-1703.	1.4	638
128	Pilot study on road traffic emissions (PAHs, heavy metals) measured by using mosses in a tunnel experiment in Vienna, Austria. Environmental Science and Pollution Research, 2006, 13, 398-405.	2.7	109
129	Environmental determinants of vascular plant species richness in the Austrian Alps. Journal of Biogeography, 2005, 32, 1117-1127.	1.4	115
130	Modelling climate change-driven treeline shifts: relative effects of temperature increase, dispersal and invasibility. Journal of Ecology, 2004, 92, 241-252.	1.9	320
131	A regional impact assessment of climate and landâ€use change on alpine vegetation. Journal of Biogeography, 2003, 30, 401-417.	1.4	325
132	A resampling approach for evaluating effects of pasture abandonment on subalpine plant species diversity. Journal of Vegetation Science, 2003, 14, 243-252.	1.1	104
133	A resampling approach for evaluating effects of pasture abandonment on subalpine plant species diversity. , 2003, 14, 243.		16
134	Scientific and Normative Foundations for the Valuation of Alien-Species Impacts: Thirteen Core Principles. BioScience, 0, , biw160.	2.2	24
135	Introducing AlienScenarios: a project to develop scenarios and models of biological invasions for the 21 st century. NeoBiota, 0, 45, 1-17.	1.0	17
136	ï»¿What is valued in conservation? A framework to compare ethical perspectives. NeoBiota, 0, 72, 45-80.	1.0	14