

Dietmar Moser

List of Publications by Year in Descending Order

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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.

76 papers	5,041 citations	31 h-index	71 g-index
80 ext. papers	6,445 ext. citations	7.2 avg, IF	5.02 L-index

#	Paper	IF	Citations
76	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
75	Biodiversity models need to represent land-use intensity more comprehensively. <i>Global Ecology and Biogeography</i> , 2021 , 30, 924-932	6.1	9
74	Functional traits driving pollinator and predator responses to newly established grassland strips in agricultural landscapes. <i>Journal of Applied Ecology</i> , 2021 , 58, 1728	5.8	2
73	Ant community composition and functional traits in new grassland strips within agricultural landscapes. <i>Ecology and Evolution</i> , 2021 , 11, 8319-8331	2.8	3
72	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
71	Re-established grasslands on farmland promote pollinators more than predators. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 319, 107543	5.7	6
70	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
69	Economic use of plants is key to their naturalization success. <i>Nature Communications</i> , 2020 , 11, 3201	17.4	37
68	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
67	Climate Variables Outstrip Deadwood Amount: Desiccation as the Main Trigger for Occurrence. <i>Plants</i> , 2020 , 10,	4.5	2
66	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
65	Occurrence of apomictic conspecifics and ecological preferences rather than colonization history govern the geographic distribution of sexual. <i>Ecology and Evolution</i> , 2020 , 10, 7306-7319	2.8	3
64	Extinction debts and colonization credits of non-forest plants in the European Alps. <i>Nature Communications</i> , 2019 , 10, 4293	17.4	32
63	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
62	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
61	Drivers of the relative richness of naturalized and invasive plant species on Earth. <i>AoB PLANTS</i> , 2019 , 11, plz051	2.9	31
60	An integrated, spatio-temporal modelling framework for analysing biological invasions. <i>Diversity and Distributions</i> , 2018 , 24, 652-665	5	3

59	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
58	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
57	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
56	Functional trait differences and trait plasticity mediate biotic resistance to potential plant invaders. <i>Journal of Ecology</i> , 2018 , 106, 1607-1620	6	36
55	Simulating plant invasion dynamics in mountain ecosystems under global change scenarios. <i>Global Change Biology</i> , 2018 , 24, e289-e302	11.4	33
54	Relating species richness to the structure of continuous landscapes: alternative methodological approaches. <i>Ecosphere</i> , 2018 , 9, e02189	3.1	5
53	European ornamental garden flora as an invasion debt under climate change. <i>Journal of Applied Ecology</i> , 2018 , 55, 2386-2395	5.8	23
52	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
51	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
50	The role of adaptive strategies in plant naturalization. <i>Ecology Letters</i> , 2018 , 21, 1380-1389	10	32
49	No saturation in the accumulation of alien species worldwide. <i>Nature Communications</i> , 2017 , 8, 14435	17.4	863
48	Plant species richness decreased in semi-natural grasslands in the Biosphere Reserve Wienerwald, Austria, over the past two decades, despite agri-environmental measures. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 243, 10-18	5.7	24
47	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
46	Global hotspots and correlates of alien species richness across taxonomic groups. <i>Nature Ecology and Evolution</i> , 2017 , 1,	12.3	196
45	Habitat-based conservation strategies cannot compensate for climate-change-induced range loss. <i>Nature Climate Change</i> , 2017 , 7, 823-827	21.4	35
44	Diversity, biogeography and the global flows of alien amphibians and reptiles. <i>Diversity and Distributions</i> , 2017 , 23, 1313-1322	5	46
43	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
42	Accounting for imperfect observation and estimating true species distributions in modelling biological invasions. <i>Ecography</i> , 2017 , 40, 1187-1197	6.5	7

41	Naturalized alien flora of the world. <i>Preslia</i> , 2017 , 89, 203-274	3.9	230
40	Biogeography and ecology of endemic invertebrate species in Austria: A cross-taxon analysis. <i>Basic and Applied Ecology</i> , 2016 , 17, 95-105	3.2	7
39	Diversity, distribution, ecology and description rates of alpine endemic plant species from Iranian mountains. <i>Alpine Botany</i> , 2016 , 126, 1-9	2.5	26
38	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
37	Uncertainty in predicting range dynamics of endemic alpine plants under climate warming. <i>Global Change Biology</i> , 2016 , 22, 2608-19	11.4	28
36	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
35	Changes in the spatial patterns of human appropriation of net primary production (HANPP) in Europe 1990-2006. <i>Regional Environmental Change</i> , 2016 , 16, 1225-1238	4.3	38
34	Weak agreement between the species conservation status assessments of the European Habitats Directive and Red Lists. <i>Biological Conservation</i> , 2016 , 198, 1-8	6.2	11
33	Biological Flora of the British Isles: <i>Ambrosia artemisiifolia</i> . <i>Journal of Ecology</i> , 2015 , 103, 1069-1098	6	111
32	Macroecology of global bryophyte invasions at different invasion stages. <i>Ecography</i> , 2015 , 38, 488-498	6.5	9
31	Global exchange and accumulation of non-native plants. <i>Nature</i> , 2015 , 525, 100-3	50.4	508
30	Identifying alien bryophytes taking into account uncertainties: a reply to Patiř & Vanderpoorten (2015). <i>Journal of Biogeography</i> , 2015 , 42, 1362-1363	4.1	3
29	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
28	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
27	Global trade will accelerate plant invasions in emerging economies under climate change. <i>Global Change Biology</i> , 2015 , 21, 4128-40	11.4	202
26	A High-Resolution Map of Emerald Ash Borer Invasion Risk for Southern Central Europe. <i>Forests</i> , 2015 , 6, 3075-3086	2.8	18
25	BIOGEOGRAPHY. The dispersal of alien species redefines biogeography in the Anthropocene. <i>Science</i> , 2015 , 348, 1248-51	33.3	214
24	Little, but increasing evidence of impacts by alien bryophytes. <i>Biological Invasions</i> , 2014 , 16, 1175-1184	2.7	20

23	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
22	Telling a different story: a global assessment of bryophyte invasions. <i>Biological Invasions</i> , 2013 , 15, 1933-1946	21	
21	Potential of genetically modified oilseed rape for biofuels in Austria: Land use patterns and coexistence constraints could decrease domestic feedstock production. <i>Biomass and Bioenergy</i> , 2013 , 50, 35-44	5.3	12
20	Native, alien, endemic, threatened, and extinct species diversity in European countries. <i>Biological Conservation</i> , 2013 , 164, 90-97	6.2	26
19	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
18	Extinction debt of high-mountain plants under twenty-first-century climate change. <i>Nature Climate Change</i> , 2012 , 2, 619-622	21.4	444
17	Ancient and recent alien species in temperate forests: steady state and time lags. <i>Biological Invasions</i> , 2012 , 14, 1331-1342	2.7	41
16	Macroecological drivers of alien conifer naturalizations worldwide. <i>Ecography</i> , 2011 , 34, 1076-1084	6.5	27
15	Selection for commercial forestry determines global patterns of alien conifer invasions. <i>Diversity and Distributions</i> , 2010 , 16, 911-921	5	53
14	Interacting effects of wind direction and resource distribution on insect pest densities. <i>Basic and Applied Ecology</i> , 2009 , 10, 208-215	3.2	22
13	Ground-dwelling predators can affect within-field pest insect emergence in winter oilseed rape fields. <i>BioControl</i> , 2009 , 54, 247-253	2.3	29
12	Parasitism of stem weevils and pollen beetles in winter oilseed rape is differentially affected by crop management and landscape characteristics. <i>BioControl</i> , 2009 , 54, 505-514	2.3	24
11	Spider assemblages in winter oilseed rape affected by landscape and site factors. <i>Ecography</i> , 2008 , 31, 254-262	6.5	65
10	Insect pests in winter oilseed rape affected by field and landscape characteristics. <i>Basic and Applied Ecology</i> , 2008 , 9, 682-690	3.2	69
9	Spatial distribution patterns of <i>Rhynchosstegium megapolitanum</i> at the landscape scale in an expanding species?. <i>Applied Vegetation Science</i> , 2007 , 10, 111	3.3	7
8	Environmental determinants of vascular plant species richness in the Austrian Alps. <i>Journal of Biogeography</i> , 2005 , 32, 1117-1127	4.1	105
7	Human appropriation of net primary production and species diversity in agricultural landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2004 , 102, 213-218	5.7	88
6	Surrogate taxa for biodiversity in agricultural landscapes of eastern Austria. <i>Biological Conservation</i> , 2004 , 117, 181-190	6.2	151

5	Landscape patch shape complexity as an effective measure for plant species richness in rural landscapes. <i>Landscape Ecology</i> , 2002 , 17, 657-669	4.3	167
4	Distribution of endangered bryophytes in Austrian agricultural landscapes. <i>Biological Conservation</i> , 2002 , 103, 173-182	6.2	21
3	The influence of agricultural land-use intensity on bryophyte species richness. <i>Biodiversity and Conservation</i> , 2001 , 10, 1609-1625	3.4	63
2	Establishing new grasslands on crop fields: short-term development of plant and arthropod communities. <i>Restoration Ecology</i> ,	3.1	1
1	Influences of landscape structure on butterfly diversity in urban private gardens using a citizen science approach. <i>Urban Ecosystems</i> , 1	2.8	