Dietmar Moser

List of Publications by Year
in descending order

79 papers	7,741 citations	117453 34 h-index	69108 77 g-index
80 all docs	80 docs citations	80 times ranked	9713 citing authors

#	Article	IF	Citations
1	No saturation in the accumulation of alien species worldwide. Nature Communications, 2017, 8, 14435.	5.8	1,543
2	Global exchange and accumulation of non-native plants. Nature, 2015, 525, 100-103.	13.7	746
3	Extinction debt of high-mountain plants under twenty-first-century climate change. Nature Climate Change, 2012, 2, 619-622.	8.1	582
4	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
5	Naturalized alien flora of the world. Preslia, 2017, 89, 203-274.	1.1	350
6	The dispersal of alien species redefines biogeography in the Anthropocene. Science, 2015, 348, 1248-1251.	6.0	331
7	Global hotspots and correlates of alien species richness across taxonomic groups. Nature Ecology and Evolution, 2017, 1, .	3.4	315
8	Global trade will accelerate plant invasions in emerging economies under climate change. Global Change Biology, 2015, 21, 4128-4140.	4.2	301
9	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
10	Title is missing!. Landscape Ecology, 2002, 17, 657-669.	1.9	216
11	Surrogate taxa for biodiversity in agricultural landscapes of eastern Austria. Biological Conservation, 2004, 117, 181-190.	1.9	169
12	Biological Flora of the British Isles: Ambrosia artemisiifolia. Journal of Ecology, 2015, 103, 1069-1098.	1.9	164
13	Environmental determinants of vascular plant species richness in the Austrian Alps. Journal of Biogeography, 2005, 32, 1117-1127.	1.4	115
14	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
15	Human appropriation of net primary production and species diversity in agricultural landscapes. Agriculture, Ecosystems and Environment, 2004, 102, 213-218.	2.5	106
16	Diversity, biogeography and the global flows of alien amphibians and reptiles. Diversity and Distributions, 2017, 23, 1313-1322.	1.9	87
17	Climate change will increase the naturalization risk from garden plants in Europe. Global Ecology and Biogeography, 2017, 26, 43-53.	2.7	87
18	Insect pests in winter oilseed rape affected by field and landscape characteristics. Basic and Applied Ecology, 2008, 9, 682-690.	1.2	84

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19	The influence of agricultural land-use intensity on bryophyte species richness. Biodiversity and Conservation, 2001, 10, 1609-1625.	1.2	79
20	Economic use of plants is key to their naturalization success. Nature Communications, 2020, 11, 3201.	5.8	79
21	Spider assemblages in winter oilseed rape affected by landscape and site factors. Ecography, 2008, 31, 254-262.	2.1	74
22	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
23	Drivers of the relative richness of naturalized and invasive plant species on Earth. AoB PLANTS, 2019, 11, plz051.	1.2	72
24	Selection for commercial forestry determines global patterns of alien conifer invasions. Diversity and Distributions, 2010, 16, 911-921.	1.9	69
25	The role of adaptive strategies in plant naturalization. Ecology Letters, 2018, 21, 1380-1389.	3.0	69
26	Extinction debts and colonization credits of non-forest plants in the European Alps. Nature Communications, 2019, 10, 4293.	5.8	63
27	Vulnerability of mires under climate change: implications for nature conservation and climate change adaptation. Biodiversity and Conservation, 2012, 21, 655-669.	1.2	61
28	Changes in the spatial patterns of human appropriation of net primary production (HANPP) in Europe 1990â€“2006. Regional Environmental Change, 2016, 16, 1225-1238.	1.4	55
29	Habitat-based conservation strategies cannot compensate for climate-change-induced rangeÂloss. Nature Climate Change, 2017, 7, 823-827.	8.1	55
30	Simulating plant invasion dynamics in mountain ecosystems under global change scenarios. Global Change Biology, 2018, 24, e289-e302.	4.2	54
31	Functional trait differences and trait plasticity mediate biotic resistance to potential plant invaders. Journal of Ecology, 2018, 106, 1607-1620.	1.9	50
32	Ancient and recent alien species in temperate forests: steady state and time lags. Biological Invasions, 2012, 14, 1331-1342.	1.2	48
33	European ornamental garden flora as an invasion debt under climate change. Journal of Applied Ecology, 2018, 55, 2386-2395.	1.9	45
34	Uncertainty in predicting range dynamics of endemic alpine plants under climate warming. Global Change Biology, 2016, 22, 2608-2619.	4.2	40
35	Diversity, distribution, ecology and description rates of alpine endemic plant species from Iranian mountains. Alpine Botany, 2016, 126, 1-9.	1.1	38
36	Ground-dwelling predators can affect within-field pest insect emergence in winter oilseed rape fields. BioControl, 2009, 54, 247-253.	0.9	36

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37	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
38	Native, alien, endemic, threatened, and extinct species diversity in European countries. Biological Conservation, 2013, 164, 90-97.	1.9	35
39	Plant species richness decreased in semi-natural grasslands in the Biosphere Reserve Wienerwald, Austria, over the past two decades, despite agri-environmental measures. Agriculture, Ecosystems and Environment, 2017, 243, 10-18.	2.5	35
40	What Will the Future Bring for Biological Invasions on Islands? An Expert-Based Assessment. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	33
41	Macroecological drivers of alien conifer naturalizations worldwide. Ecography, 2011, 34, 1076-1084.	2.1	32
42	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
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	Parasitism of stem weevils and pollen beetles in winter oilseed rape is differentially affected by crop management and landscape characteristics. BioControl, 2009, 54, 505-514.	0.9	29
45	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
46	Interacting effects of wind direction and resource distribution on insect pest densities. Basic and Applied Ecology, 2009, 10, 208-215.	1.2	25
47	Telling a different story: a global assessment of bryophyte invasions. Biological Invasions, 2013, 15, 1933-1946.	1.2	25
48	Biodiversity models need to represent landâ€use intensity more comprehensively. Global Ecology and Biogeography, 2021, 30, 924-932.	2.7	25
49	Distribution of endangered bryophytes in Austrian agricultural landscapes. Biological Conservation, 2002, 103, 173-182.	1.9	23
50	Little, but increasing evidence of impacts by alien bryophytes. Biological Invasions, 2014, 16, 1175-1184.	1.2	23
51	A High-Resolution Map of Emerald Ash Borer Invasion Risk for Southern Central Europe. Forests, 2015, 6, 3075-3086.	0.9	22
52	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
53	Potential of genetically modified oilseed rape for biofuels inÂAustria: Land use patterns and coexistence constraints could decrease domestic feedstock production. Biomass and Bioenergy, 2013, 50, 35-44.	2.9	15
54	Weak agreement between the species conservation status assessments of the European Habitats Directive and Red Lists. Biological Conservation, 2016, 198, 1-8.	1.9	15

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55	Habitat availability disproportionally amplifies climate change risks for lowland compared to alpine species. Global Ecology and Conservation, 2020, 23, e01113.	1.0	14
56	Re-established grasslands on farmland promote pollinators more than predators. Agriculture, Ecosystems and Environment, 2021, 319, 107543.	2.5	14
57	Functional traits driving pollinator and predator responses to newly established grassland strips in agricultural landscapes. Journal of Applied Ecology, 2021, 58, 1728-1737.	1.9	13
58	Climate warming may increase the frequency of cold-adapted haplotypes in alpine plants. Nature Climate Change, 2022, 12, 77-82.	8.1	12
59	Macroecology of global bryophyte invasions at different invasion stages. Ecography, 2015, 38, 488-498.	2.1	11
60	Accounting for imperfect observation and estimating true species distributions in modelling biological invasions. Ecography, 2017, 40, 1187-1197.	2.1	11
61	A new method for jointly assessing effects of climate change and nitrogen deposition on habitats. Biological Conservation, 2018, 228, 52-61.	1.9	11
62	Spatial distribution patterns of Rhynchostegium megapolitanum at the landscape scale â€“ an expanding species?. Applied Vegetation Science, 2007, 10, 111.	0.9	11
63	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
64	Biogeography and ecology of endemic invertebrate species in Austria: A cross-taxon analysis. Basic and Applied Ecology, 2016, 17, 95-105.	1.2	9
65	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
66	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
67	Establishing new grasslands on crop fields: shortâ€term development of plant and arthropod communities. Restoration Ecology, 2022, 30, .	1.4	8
68	Relating species richness to the structure of continuous landscapes: alternative methodological approaches. Ecosphere, 2018, 9, e02189.	1.0	7
69	Longâ€term continuity of steppe grasslands in eastern Central Europe: Evidence from species distribution patterns and chloroplast haplotypes. Journal of Biogeography, 2021, 48, 3104-3117.	1.4	7
70	An integrated, spatioâ€temporal modelling framework for analysing biological invasions. Diversity and Distributions, 2018, 24, 652-665.	1.9	5
71	Ant community composition and functional traits in new grassland strips within agricultural landscapes. Ecology and Evolution, 2021, 11, 8319-8331.	0.8	5
72	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

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73	Occurrence of apomictic conspecifics and ecological preferences rather than colonization history govern the geographic distribution of sexual Potentilla puberula. Ecology and Evolution, 2020, 10, 7306-7319.	0.8	4
74	Climate Variables Outstrip Deadwood Amount: Desiccation as the Main Trigger for Buxbaumia viridis Occurrence. Plants, 2021, 10, 61.	1.6	4
75	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
76	Identifying alien bryophytes taking into account uncertainties: a reply to PatiÃ±o & Vanderpoorten (2015). Journal of Biogeography, 2015, 42, 1362-1363.	1.4	3
77	Influences of landscape structure on butterfly diversity in urban private gardens using a citizen science approach. Urban Ecosystems, 2022, 25, 477-486.	1.1	3
78	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
79	Conservation status and ecology of the highly threatened endemic Gentianella bohemica. Preslia, 2022, 94, 255-273.	1.1	0