

Stefan Klotz

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

8,400
citations

50276

46
h-index

82547

72
g-index

73
all docs

73
docs citations

73
times ranked

12807
citing authors

#	ARTICLE	IF	CITATIONS
1	Alien species in a warmer world: risks and opportunities. <i>Trends in Ecology and Evolution</i> , 2009, 24, 686-693.	8.7	1,031
2	A global analysis of the impacts of urbanization on bird and plant diversity reveals key anthropogenic drivers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133330.	2.6	985
3	A Network of Terrestrial Environmental Observatories in Germany. <i>Vadose Zone Journal</i> , 2011, 10, 955-973.	2.2	401
4	The niche of higher plants: evidence for phylogenetic conservatism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 2383-2389.	2.6	378
5	CLIMATE CHANGE CAN CAUSE SPATIAL MISMATCH OF TROPICALLY INTERACTING SPECIES. <i>Ecology</i> , 2008, 89, 3472-3479.	3.2	356
6	Urbanization and homogenization – Comparing the floras of urban and rural areas in Germany. <i>Biological Conservation</i> , 2006, 127, 292-300.	4.1	305
7	Plant extinctions and introductions lead to phylogenetic and taxonomic homogenization of the European flora. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21721-21725.	7.1	305
8	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. <i>Biological Reviews</i> , 2010, 85, 777-795.	10.4	259
9	Challenging urban species diversity: contrasting phylogenetic patterns across plant functional groups in Germany. <i>Ecology Letters</i> , 2008, 11, 1054-1064.	6.4	230
10	Effects of changes in agricultural land-use on landscape structure and arable weed vegetation over the last 50 years. <i>Agriculture, Ecosystems and Environment</i> , 2006, 115, 43-50.	5.3	229
11	Native and alien plant species richness in relation to spatial heterogeneity on a regional scale in Germany. <i>Global Ecology and Biogeography</i> , 2003, 12, 299-311.	5.8	203
12	Trait interactions help explain plant invasion success in the German flora. <i>Journal of Ecology</i> , 2008, 96, 860-868.	4.0	156
13	Increasing range mismatching of interacting species under global change is related to their ecological characteristics. <i>Global Ecology and Biogeography</i> , 2012, 21, 88-99.	5.8	152
14	Effects of landscape structure and land-use intensity on similarity of plant and animal communities. <i>Global Ecology and Biogeography</i> , 2007, 16, 774-787.	5.8	151
15	Climate and land use change impacts on plant distributions in Germany. <i>Biology Letters</i> , 2008, 4, 564-567.	2.3	138
16	Changes in the functional composition of a Central European urban flora over three centuries. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010, 12, 235-244.	2.7	134
17	Functional traits and local environment predict vegetation responses to disturbance: a pan-European multi-site experiment. <i>Journal of Ecology</i> , 2011, 99, 777-787.	4.0	125
18	A comparative test of phylogenetic diversity indices. <i>Oecologia</i> , 2008, 157, 485-495.	2.0	121

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19	Towards a thesaurus of plant characteristics: an ecological contribution. <i>Journal of Ecology</i> , 2017, 105, 298-309.	4.0	114
20	Plant functional group composition and large-scale species richness in European agricultural landscapes. <i>Journal of Vegetation Science</i> , 2008, 19, 3-14.	2.2	111
21	The distribution of range sizes of native and alien plants in four European countries and the effects of residence time. <i>Diversity and Distributions</i> , 2009, 15, 158-166.	4.1	107
22	Continental European Eemian and early Würmian climate evolution: comparing signals using different quantitative reconstruction approaches based on pollen. <i>Global and Planetary Change</i> , 2003, 36, 277-294.	3.5	99
23	National Ecosystem Assessments in Europe: A Review. <i>BioScience</i> , 2016, 66, 813-828.	4.9	94
24	Distance decay of similarity among European urban floras: the impact of anthropogenic activities on β^2 diversity. <i>Global Ecology and Biogeography</i> , 2008, 17, 363-371.	5.8	90
25	Pliocene and Lower Pleistocene vegetation and climate changes at the European scale: Long pollen records and climatostratigraphy. <i>Quaternary International</i> , 2010, 219, 152-167.	1.5	90
26	Beta diversity of urban floras among European and non-European cities. <i>Global Ecology and Biogeography</i> , 2014, 23, 769-779.	5.8	90
27	Do protected areas in urban and rural landscapes differ in species diversity?. <i>Biodiversity and Conservation</i> , 2008, 17, 1595-1612.	2.6	86
28	Why do alien plant species that reproduce in natural habitats occur more frequently?. <i>Diversity and Distributions</i> , 2004, 10, 417-425.	4.1	84
29	Species richness of herbivores on exotic host plants increases with time since introduction of the host. <i>Diversity and Distributions</i> , 2008, 14, 905-912.	4.1	82
30	Regional vegetation patterns at lake Son Kul reveal Holocene climatic variability in central Tien Shan (Kyrgyzstan, Central Asia). <i>Quaternary Science Reviews</i> , 2014, 89, 169-185.	3.0	77
31	Mycorrhizal status helps explain invasion success of alien plant species. <i>Ecology</i> , 2017, 98, 92-102.	3.2	77
32	Correlates of naturalization and occupancy of introduced ornamentals in Germany. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2008, 10, 241-250.	2.7	73
33	Succession of floodplain grasslands following reduction in land use intensity: the importance of environmental conditions, management and dispersal. <i>Journal of Applied Ecology</i> , 2009, 46, 241-249.	4.0	72
34	Testing taxonomic and landscape surrogates for biodiversity in an urban setting. <i>Landscape and Urban Planning</i> , 2010, 97, 283-295.	7.5	72
35	Synchronized peak-rate years of global resources use. <i>Ecology and Society</i> , 2014, 19, .	2.3	72
36	How species traits and affinity to urban land use control large-scale species frequency. <i>Diversity and Distributions</i> , 2009, 15, 533-546.	4.1	66

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37	DISTRIBUTIONAL RANGE SIZE OF WEEDY PLANT SPECIES IS CORRELATED TO GERMINATION PATTERNS. <i>Ecology</i> , 2003, 84, 136-144.	3.2	65
38	Relating geographical variation in pollination types to environmental and spatial factors using novel statistical methods. <i>New Phytologist</i> , 2006, 172, 127-139.	7.3	65
39	Harmonizing Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. <i>BioScience</i> , 2016, 66, 890-896.	4.9	60
40	Geographical patterns in prediction errors of species distribution models. <i>Global Ecology and Biogeography</i> , 2011, 20, 779-788.	5.8	58
41	Realigning the land-sharing/land-sparing debate to match conservation needs: considering diversity scales and land-use history. <i>Landscape Ecology</i> , 2014, 29, 941-948.	4.2	56
42	The role of non-native plants and vertebrates in defining patterns of compositional dissimilarity within and across continents. <i>Global Ecology and Biogeography</i> , 2010, 19, 332-342.	5.8	52
43	Predictive performance of plant species distribution models depends on species traits. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010, 12, 219-225.	2.7	52
44	Eemian to early Würmian climate dynamics: history and pattern of changes in Central Europe. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 211, 107-126.	2.3	51
45	On the biogeography of seed mass in Germany – distribution patterns and environmental correlates. <i>Ecography</i> , 2008, 31, 457-468.	4.5	50
46	Spontaneous regeneration of dry grasslands on set-aside fields. <i>Biodiversity and Conservation</i> , 2007, 16, 621-630.	2.6	49
47	Soil enzyme activities as bioindicators for substrate quality in revegetation of a subtropical coal mining dump. <i>Soil Biology and Biochemistry</i> , 2013, 56, 87-89.	8.8	47
48	Alien plants in Chile: inferring invasion periods from herbarium records. <i>Biological Invasions</i> , 2008, 10, 649-657.	2.4	43
49	Title is missing!. <i>Biodiversity and Conservation</i> , 2001, 10, 1497-1511.	2.6	39
50	Using long-term ecosystem service and biodiversity data to study the impacts and adaptation options in response to climate change: insights from the global ILTER sites network. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 53-66.	6.3	39
51	Variability in leaf traits, insect herbivory and herbivore performance within and among individuals of four broad-leaved tree species. <i>Basic and Applied Ecology</i> , 2009, 10, 726-736.	2.7	37
52	Geographic variability of ecological niches of plant species: are competition and stress relevant?. <i>Ecography</i> , 2002, 25, 721-729.	4.5	35
53	Do drivers of biodiversity change differ in importance across marine and terrestrial systems – Or is it just different research communities' perspectives?. <i>Science of the Total Environment</i> , 2017, 574, 191-203.	8.0	32
54	Alien plants in southern South America. A framework for evaluation and management of mutual risk of invasion between Chile and Argentina. <i>Biological Invasions</i> , 2010, 12, 3227-3236.	2.4	30

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55	Soil organic matter and microbial community structure in set-aside and intensively managed arable soils in NE-Saxony, Germany. <i>Applied Soil Ecology</i> , 2008, 40, 465-475.	4.3	25
56	Differences in the trait compositions of non-indigenous and native plants across Germany. <i>Biological Invasions</i> , 2010, 12, 2001-2012.	2.4	25
57	Woody plants in Kenya: expanding the Higher-Taxon Approach. <i>Biological Conservation</i> , 2003, 110, 307-314.	4.1	24
58	Investigating habitat-specific plant species pools under climate change. <i>Basic and Applied Ecology</i> , 2010, 11, 603-611.	2.7	23
59	Temporal dynamics of marginal steppic vegetation over a 26-year period of substantial environmental change. <i>Journal of Vegetation Science</i> , 2009, 20, 299-310.	2.2	22
60	Spatial aspects of trait homogenization within the German flora. <i>Journal of Biogeography</i> , 2008, 35, 2289-2297.	3.0	21
61	Macroecology meets global change research. <i>Global Ecology and Biogeography</i> , 2008, 17, 3-4.	5.8	18
62	Clonal plant species in a dry-grassland community: A simulation study of long-term population dynamics. <i>Ecological Modelling</i> , 1997, 96, 125-141.	2.5	17
63	Dispersal traits as indicators of vegetation dynamics in long-term old-field succession. <i>Ecological Indicators</i> , 2016, 65, 44-54.	6.3	17
64	The Iberian Peninsula as a potential source for the plant species pool in Germany under projected climate change. <i>Plant Ecology</i> , 2010, 207, 191-201.	1.6	13
65	Climatic and socio-economic factors determine the level of invasion by alien plants in Chile. <i>Plant Ecology and Diversity</i> , 2015, 8, 371-377.	2.4	13
66	Modelling the impact of climate and land use change on the geographical distribution of leaf anatomy in a temperate flora. <i>Ecography</i> , 2011, 34, 507-518.	4.5	10
67	Long-term spatial pattern change in a semi-arid plant community: The role of climate and composition. <i>Acta Oecologica</i> , 2012, 45, 8-15.	1.1	4
68	How to characterize and predict alien species? A response to Pyšek et al.(2004). <i>Diversity and Distributions</i> , 2005, 11, 121-123.	4.1	3
69	Late Quaternary vegetation and climate of SE Europe–NW Asia according to pollen records in three offshore cores from the Black and Marmara seas. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2021, 101, 197-212.	1.5	3
70	Synchrony of peak-rate years suggests challenges to sustainable development: a response to O'Neill & Sullivan (2015). <i>Ecology and Society</i> , 2015, 20, .	2.3	1