Stefan Klotz

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9266959/publications.pdf

Version: 2024-02-01

92	10,462	38742 50	54911 84
papers	citations	h-index	g-index

94	94	94	15215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Alien species in a warmer world: risks and opportunities. Trends in Ecology and Evolution, 2009, 24, 686-693.	8.7	1,031
3	A global analysis of the impacts of urbanization on bird and plant diversity reveals key anthropogenic drivers. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20133330.	2.6	985
4	A Network of Terrestrial Environmental Observatories in Germany. Vadose Zone Journal, 2011, 10, 955-973.	2.2	401
5	The niche of higher plants: evidence for phylogenetic conservatism. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2383-2389.	2.6	378
6	CLIMATE CHANGE CAN CAUSE SPATIAL MISMATCH OF TROPHICALLY INTERACTING SPECIES. Ecology, 2008, 89, 3472-3479.	3.2	356
7	Urbanization and homogenization â€“ Comparing the floras of urban and rural areas in Germany. Biological Conservation, 2006, 127, 292-300.	4.1	305
8	Plant extinctions and introductions lead to phylogenetic and taxonomic homogenization of the European flora. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21721-21725.	7.1	305
9	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. Biological Reviews, 2010, 85, 777-795.	10.4	259
10	Challenging urban species diversity: contrasting phylogenetic patterns across plant functional groups in Germany. Ecology Letters, 2008, 11, 1054-1064.	6.4	230
11	Effects of changes in agricultural land-use on landscape structure and arable weed vegetation over the last 50 years. Agriculture, Ecosystems and Environment, 2006, 115, 43-50.	5.3	229
12	Native and alien plant species richness in relation to spatial heterogeneity on a regional scale in Germany. Global Ecology and Biogeography, 2003, 12, 299-311.	5.8	203
13	Plant richness patterns in agricultural and urban landscapes in Central Germanyâ€”spatial gradients of species richness. Landscape and Urban Planning, 2006, 75, 97-110.	7.5	190
14	Conventional landâ€use intensification reduces species richness and increases production: A global metaâ€analysis. Global Change Biology, 2019, 25, 1941-1956.	9.5	161
15	Alarm: Assessing Large-scale environmental Risks for biodiversity with tested Methods. Gaia, 2005, 14, 69-72.	0.7	160
16	Trait interactions help explain plant invasion success in the German flora. Journal of Ecology, 2008, 96, 860-868.	4.0	156
17	Increasing range mismatching of interacting species under global change is related to their ecological characteristics. Global Ecology and Biogeography, 2012, 21, 88-99.	5.8	152
18	Effects of landscape structure and landâ€use intensity on similarity of plant and animal communities. Global Ecology and Biogeography, 2007, 16, 774-787.	5.8	151

#	Article	IF	Citations
19	The next generation of site-based long-term ecological monitoring: Linking essential biodiversity variables and ecosystem integrity. Science of the Total Environment, 2018, 613-614, 1376-1384.	8.0	143
20	Climate and land use change impacts on plant distributions in Germany. Biology Letters, 2008, 4, 564-567.	2.3	138
21	Changes in the functional composition of a Central European urban flora over three centuries. Perspectives in Plant Ecology, Evolution and Systematics, 2010, 12, 235-244.	2.7	134
22	Functional traits and local environment predict vegetation responses to disturbance: a panâ€European multiâ€site experiment. Journal of Ecology, 2011, 99, 777-787.	4.0	125
23	A comparative test of phylogenetic diversity indices. Oecologia, 2008, 157, 485-495.	2.0	121
24	Environmental signals from leaves â€“ a physiognomic analysis of European vegetation. New Phytologist, 2005, 166, 465-484.	7.3	117
25	Phylogenetic and functional characteristics of household yard floras and their changes along an urbanization gradient. Ecology, 2012, 93, S83.	3.2	115
26	Towards a thesaurus of plant characteristics: an ecological contribution. Journal of Ecology, 2017, 105, 298-309.	4.0	114
27	Plant functional group composition and largeâ€scale species richness in European agricultural landscapes. Journal of Vegetation Science, 2008, 19, 3-14.	2.2	111
28	The distribution of range sizes of native and alien plants in four European countries and the effects of residence time. Diversity and Distributions, 2009, 15, 158-166.	4.1	107
29	Continental European Eemian and early WÃ¼rmian climate evolution: comparing signals using different quantitative reconstruction approaches based on pollen. Global and Planetary Change, 2003, 36, 277-294.	3.5	99
30	On the identification of the most suitable traits for plant functional trait analyses. Oikos, 2008, 117, 1533-1541.	2.7	94
31	Distance decay of similarity among European urban floras: the impact of anthropogenic activities on Î² diversity. Global Ecology and Biogeography, 2008, 17, 363-371.	5.8	90
32	Beta diversity of urban floras among <scp>E</scp>uropean and nonâ€<scp>E</scp>uropean cities. Global Ecology and Biogeography, 2014, 23, 769-779.	5.8	90
33	Do protected areas in urban and rural landscapes differ in species diversity?. Biodiversity and Conservation, 2008, 17, 1595-1612.	2.6	86
34	Investigating the consequences of climate change under different landâ€use regimes: a novel experimental infrastructure. Ecosphere, 2019, 10, e02635.	2.2	85
35	Why do alien plant species that reproduce in natural habitats occur more frequently?. Diversity and Distributions, 2004, 10, 417-425.	4.1	84
36	Cross-realm assessment of climate change impacts on speciesâ€™ abundance trends. Nature Ecology and Evolution, 2017, 1, 67.	7.8	83

#	Article	IF	Citations
37	Species richness of herbivores on exotic host plants increases with time since introduction of the host. Diversity and Distributions, 2008, 14, 905-912.	4.1	82
38	Regional vegetation patterns at lake Son Kul reveal Holocene climatic variability in central Tien Shan (Kyrgyzstan, Central Asia). Quaternary Science Reviews, 2014, 89, 169-185.	3.0	77
39	Mycorrhizal status helps explain invasion success of alien plant species. Ecology, 2017, 98, 92-102.	3.2	77
40	Correlates of naturalization and occupancy of introduced ornamentals in Germany. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 10, 241-250.	2.7	73
41	Succession of floodplain grasslands following reduction in land use intensity: the importance of environmental conditions, management and dispersal. Journal of Applied Ecology, 2009, 46, 241-249.	4.0	72
42	Testing taxonomic and landscape surrogates for biodiversity in an urban setting. Landscape and Urban Planning, 2010, 97, 283-295.	7.5	72
43	Synchronized peak-rate years of global resources use. Ecology and Society, 2014, 19, .	2.3	72
44	How species traits and affinity to urban land use control largeâ€scale species frequency. Diversity and Distributions, 2009, 15, 533-546.	4.1	66
45	DISTRIBUTIONAL RANGE SIZE OF WEEDY PLANT SPECIES IS CORRELATED TO GERMINATION PATTERNS. Ecology, 2003, 84, 136-144.	3.2	65
46	Relating geographical variation in pollination types to environmental and spatial factors using novel statistical methods. New Phytologist, 2006, 172, 127-139.	7.3	65
47	Harmonizing Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. BioScience, 2016, 66, 890-896.	4.9	60
48	Geographical patterns in prediction errors of species distribution models. Global Ecology and Biogeography, 2011, 20, 779-788.	5.8	58
49	Realigning the land-sharing/land-sparing debate to match conservation needs: considering diversity scales and land-use history. Landscape Ecology, 2014, 29, 941-948.	4.2	56
50	The role of nonâ€native plants and vertebrates in defining patterns of compositional dissimilarity within and across continents. Global Ecology and Biogeography, 2010, 19, 332-342.	5.8	52
51	Predictive performance of plant species distribution models depends on species traits. Perspectives in Plant Ecology, Evolution and Systematics, 2010, 12, 219-225.	2.7	52
52	On the biogeography of seed mass in Germany â€“ distribution patterns and environmental correlates. Ecography, 2008, 31, 457-468.	4.5	50
53	Spontaneous regeneration of dry grasslands on set-aside fields. Biodiversity and Conservation, 2007, 16, 621-630.	2.6	49
54	Soil enzyme activities as bioindicators for substrate quality in revegetation of a subtropical coal mining dump. Soil Biology and Biochemistry, 2013, 56, 87-89.	8.8	47

#	Article	IF	Citations
55	Understanding and assessing vegetation health by in situ species and remoteâ€sensing approaches. Methods in Ecology and Evolution, 2018, 9, 1799-1809.	5.2	45
56	Increasing species richness but decreasing phylogenetic richness and divergence over a 320â€year period of urbanization. Journal of Applied Ecology, 2017, 54, 1152-1160.	4.0	44
57	Alien plants in Chile: inferring invasion periods from herbarium records. Biological Invasions, 2008, 10, 649-657.	2.4	43
58	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. Current Opinion in Environmental Sustainability, 2013, 5, 53-66.	6.3	39
59	Variability in leaf traits, insect herbivory and herbivore performance within and among individuals of four broad-leaved tree species. Basic and Applied Ecology, 2009, 10, 726-736.	2.7	37
60	Geographic variability of ecological niches of plant species: are competition and stress relevant?. Ecography, 2002, 25, 721-729.	4.5	35
61	Do drivers of biodiversity change differ in importance across marine and terrestrial systems â€" Or is it just different research communities' perspectives?. Science of the Total Environment, 2017, 574, 191-203.	8.0	32
62	Alien plants in southern South America. A framework for evaluation and management of mutual risk of invasion between Chile and Argentina. Biological Invasions, 2010, 12, 3227-3236.	2.4	30
63	Soil organic matter and microbial community structure in set-aside and intensively managed arable soils in NE-Saxony, Germany. Applied Soil Ecology, 2008, 40, 465-475.	4.3	25
64	Differences in the trait compositions of non-indigenous and native plants across Germany. Biological Invasions, 2010, 12, 2001-2012.	2.4	25
65	Woody plants in Kenya: expanding the Higher-Taxon Approach. Biological Conservation, 2003, 110, 307-314.	4.1	24
66	Long-term control of species abundances in a dry grassland: a spatially explicit model. Journal of Vegetation Science, 1997, 8, 189-198.	2.2	23
67	Investigating habitat-specific plant species pools under climate change. Basic and Applied Ecology, 2010, 11, 603-611.	2.7	23
68	Temporal dynamics of marginal steppic vegetation over a 26â€year period of substantial environmental change. Journal of Vegetation Science, 2009, 20, 299-310.	2.2	22
69	Spatial aspects of trait homogenization within the German flora. Journal of Biogeography, 2008, 35, 2289-2297.	3.0	21
70	Urbanisation and alien invasion. , 0, , 120-133.		19
71	Macroecology meets global change research. Global Ecology and Biogeography, 2008, 17, 3-4.	5.8	18
72	Clonal plant species in a dry-grassland community: A simulation study of long-term population dynamics. Ecological Modelling, 1997, 96, 125-141.	2.5	17

#	Article	IF	Citations
73	Dispersal traits as indicators of vegetation dynamics in long-term old-field succession. Ecological Indicators, 2016, 65, 44-54.	6.3	17
74	From Ecosystem Invasibility to Local,Regional and Global Patterns of Invasive Species. , 2008, , 181-196.		16
75	The Iberian Peninsula as a potential source for the plant species pool in Germany under projected climate change. Plant Ecology, 2010, 207, 191-201.	1.6	13
76	Climatic and socio-economic factors determine the level of invasion by alien plants in Chile. Plant Ecology and Diversity, 2015, 8, 371-377.	2.4	13
77	Modelling the impact of climate and land use change on the geographical distribution of leaf anatomy in a temperate flora. Ecography, 2011, 34, 507-518.	4.5	10
78	MACIS: Minimisation of and Adaptation to Climate Change Impacts on Biodiversity. Gaia, 2008, 17, 393-395.	0.7	10
79	Temporal Changes and Spatial Determinants of Plant Species Diversity and Genetic Variation. , 2010, , 279-297.		8
80	The iDiv Ecotronâ€"A flexible research platform for multitrophic biodiversity research. Ecology and Evolution, 2021, 11, 15174-15190.	1.9	8
81	Species richness and phylogenetic structure in plant communities: 20 years of succession. Web Ecology, 2017, 17, 37-46.	1.6	6
82	Do Urban Biodiversity and Urban Ecosystem Services Go Hand in Hand, or Do We Just Hope It Is That Easy?. Future City, 2018, , 301-312.	0.5	5
83	Is the EC Afraid of Its Own Visions?. Science, 2007, 315, 1220-1220.	12.6	5
84	Long-term spatial pattern change in a semi-arid plant community: The role of climate and composition. Acta Oecologica, 2012, 45, 8-15.	1.1	4
85	How to characterize and predict alien species? A response to Pyseket al.(2004). Diversity and Distributions, 2005, 11, 121-123.	4.1	3
86	Climate change impacts on biodiversity: a short introduction with special emphasis on the ALARM approach for the assessment of multiple risks. BioRisk, 0, 5, 3-29.	0.2	3
87	Trade-Offs and Synergies Between Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. , 2019, , 251-256.		2
88	Using ecological and life-history characteristics for projecting species' responses to climate change. Frontiers of Biogeography, 2014, 6, .	1.8	1
89	Stadtnatur. , 2017, , 215-236.		1
90	Synchronized Peak Rate Years of Global Resources Use Imply Critical Trade-Offs in Appropriation of Natural Resources and Ecosystem Services. , 2019, , 301-307.		1

#	Article	IF	Citations
91	BiodiversitÃt. , 2017, , 151-160.		0
92	Linking Biodiversity Research Communities. SpringerBriefs in Earth System Sciences, 2018, , 39-45.	0.1	0