

# Petr Keil

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,722  
citations

279487

23  
h-index

253896

43  
g-index

47  
all docs

47  
docs citations

47  
times ranked

5542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Species richness declines and biotic homogenisation have slowed down for <scp>NW</scp>â€™European pollinators and plants. <i>Ecology Letters</i> , 2013, 16, 870-878.	3.0	305
2	Essential biodiversity variables for mapping and monitoring species populations. <i>Nature Ecology and Evolution</i> , 2019, 3, 539-551.	3.4	283
3	Model averaging in ecology: a review of Bayesian, informationâ€™theoretic, and tactical approaches for predictive inference. <i>Ecological Monographs</i> , 2018, 88, 485-504.	2.4	209
4	Data Integration for Large-Scale Models of Species Distributions. <i>Trends in Ecology and Evolution</i> , 2020, 35, 56-67.	4.2	205
5	Comment on â€™High-resolution global maps of 21st-century forest cover changeâ€™. <i>Science</i> , 2014, 344, 981-981.	6.0	202
6	Universal speciesâ€™area and endemicsâ€™area relationships at continental scales. <i>Nature</i> , 2012, 488, 78-81.	13.7	162
7	Relationship between the minimum and maximum temperature thresholds for development in insects. <i>Functional Ecology</i> , 2009, 23, 257-264.	1.7	154
8	Macroecology to Unite All Life, Large and Small. <i>Trends in Ecology and Evolution</i> , 2018, 33, 731-744.	4.2	118
9	Patterns of beta diversity in Europe: the role of climate, land cover and distance across scales. <i>Journal of Biogeography</i> , 2012, 39, 1473-1486.	1.4	104
10	Global patterns and drivers of tree diversity integrated across a continuum of spatial grains. <i>Nature Ecology and Evolution</i> , 2019, 3, 390-399.	3.4	91
11	On the decline of biodiversity due to area loss. <i>Nature Communications</i> , 2015, 6, 8837.	5.8	69
12	Global species-energy relationship in forest plots: role of abundance, temperature and species climatic tolerances. <i>Global Ecology and Biogeography</i> , 2011, 20, 842-856.	2.7	65
13	Downscaling of species distribution models: â€™a hierarchical approach. <i>Methods in Ecology and Evolution</i> , 2013, 4, 82-94.	2.2	63
14	Fine-scale malaria risk mapping from routine aggregated case data. <i>Malaria Journal</i> , 2014, 13, 421.	0.8	58
15	Waterâ€™energy and the geographical species richness pattern of European and North African dragonflies (Odonata). <i>Insect Conservation and Diversity</i> , 2008, 1, 142-150.	1.4	51
16	The last population of the Woodland Brown butterfly ( <i>Lopinga achine</i> ) in the Czech Republic: habitat use, demography and site management. <i>Journal of Insect Conservation</i> , 2008, 12, 549-560.	0.8	49
17	Historical Biogeography Using Species Geographical Ranges. <i>Systematic Biology</i> , 2015, 64, 1059-1073.	2.7	46
18	Rapoport's rule, species tolerances, and the latitudinal diversity gradient: geometric considerations. <i>Ecology</i> , 2009, 90, 3575-3586.	1.5	39

#	ARTICLE	IF	CITATIONS
19	A cross-scale assessment of productivity-diversity relationships. <i>Global Ecology and Biogeography</i> , 2020, 29, 1940-1955.	2.7	35
20	Testing macroecological abundance patterns: The relationship between local abundance and range size, range position and climatic suitability among European vascular plants. <i>Journal of Biogeography</i> , 2020, 47, 2210-2222.	1.4	35
21	Spatial scaling of extinction rates: Theory and data reveal nonlinearity and a major upscaling and downscaling challenge. <i>Global Ecology and Biogeography</i> , 2018, 27, 2-13.	2.7	34
22	Which Latitudinal Gradients for Genetic Diversity?. <i>Trends in Ecology and Evolution</i> , 2017, 32, 724-726.	4.2	30
23	Geographical patterns of hoverfly (Diptera, Syrphidae) functional groups in Europe: inconsistency in environmental correlates and latitudinal trends. <i>Ecological Entomology</i> , 2008, 33, 748-757.	1.1	28
24	Grids versus regional species lists: are broad-scale patterns of species richness robust to the violation of constant grain size?. <i>Biodiversity and Conservation</i> , 2009, 18, 3127-3137.	1.2	28
25	Biodiversity change is scale-dependent: an example from Dutch and UK hoverflies (Diptera, Syrphidae). <i>Ecography</i> , 2011, 34, 392-401.	2.1	26
26	Uncertainty, priors, autocorrelation and disparate data in downscaling of species distributions. <i>Diversity and Distributions</i> , 2014, 20, 797-812.	1.9	25
27	Measurement and analysis of interspecific spatial associations as a facet of biodiversity. <i>Ecological Monographs</i> , 2021, 91, e01452.	2.4	22
28	Predictions of Taylor's power law, density dependence and pink noise from a neutrally modeled time series. <i>Journal of Theoretical Biology</i> , 2010, 265, 78-86.	0.8	19
29	Life span in the wild: the role of activity and climate in natural populations of bees. <i>Functional Ecology</i> , 2014, 28, 1235-1244.	1.7	19
30	Arrested development of sheep strongyles: onset and resumption under field conditions of Central Europe. <i>Parasitology Research</i> , 2008, 103, 387-392.	0.6	18
31	The use of GEDI canopy structure for explaining variation in tree species richness in natural forests. <i>Environmental Research Letters</i> , 2022, 17, 045003.	2.2	17
32	Disentangling spatial and environmental effects: Flexible methods for community ecology and macroecology. <i>Ecosphere</i> , 2022, 13, .	1.0	15
33	<b>Racatus</b> : A method to estimate the accuracy and biogeographical status of georeferenced biological data. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1609-1619.	2.2	13
34	Local species richness of Central European hoverflies (Diptera: Syrphidae): a lesson taught by local faunal lists. <i>Diversity and Distributions</i> , 2005, 11, 417-426.	1.9	12
35	<i>Z</i> -scores unite pairwise indices of ecological similarity and association for binary data. <i>Ecosphere</i> , 2019, 10, e02933.	1.0	12
36	Assessing sampling coverage of species distribution in biodiversity databases. <i>Journal of Vegetation Science</i> , 2019, 30, 620-632.	1.1	11

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37	Habitats as predictors in species distribution models: Shall we use continuous or binary data?. Ecography, 2022, 2022, .	2.1	11
38	Downscaling the environmental associations and spatial patterns of species richness. , 2014, 24, 823-831.		9
39	<b>Macroecological and macroevolutionary patterns emerge in the universe of GNU/Linux operating systems</b>. Ecography, 2018, 41, 1788-1800.	2.1	7
40	Biogeography of elytral ornaments in Palearctic genus Carabus: disentangling the effects of space, evolution and environment at a continental scale. Evolutionary Ecology, 2012, 26, 1025-1040.	0.5	6
41	Common competitors and rare friends. Nature Ecology and Evolution, 2020, 4, 8-9.	3.4	6
42	Environmental effects on the shape variation of male ultraviolet patterns in the Brimstone butterfly (Gonepteryx rhamni, Pieridae, Lepidoptera). Die Naturwissenschaften, 2014, 101, 1055-1063.	0.6	5
43	Environmentâ€and traitâ€mediated scaling of tree occupancy in forests worldwide. Global Ecology and Biogeography, 2019, 28, 1155-1167.	2.7	2