

Petra Hájková

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7867717/publications.pdf>

Version: 2024-02-01

94
papers

3,059
citations

136950

32
h-index

182427

51
g-index

96
all docs

96
docs citations

96
times ranked

3072
citing authors

#	ARTICLE	IF	CITATIONS
1	Habitat diversity of central European fens in relation to environmental gradients and an effort to standardise fen terminology in ecological studies. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2006, 8, 97-114.	2.7	211
2	Nutritional constraints in ombrotrophic Sphagnum plants under increasing atmospheric nitrogen deposition in Europe. <i>New Phytologist</i> , 2004, 163, 609-616.	7.3	169
3	Nitrogen concentration and delta15N signature of ombrotrophic Sphagnum mosses at different N deposition levels in Europe. <i>Global Change Biology</i> , 2005, 11, 106-114.	9.5	164
4	Environmental and spatial controls of biotic assemblages in a discrete semi-terrestrial habitat: comparison of organisms with different dispersal abilities sampled in the same plots. <i>Journal of Biogeography</i> , 2011, 38, 1683-1693.	3.0	123
5	Spring fen vegetation and water chemistry in the Western Carpathian flysch zone. <i>Folia Geobotanica</i> , 2002, 37, 205-224.	0.9	114
6	Plant species richness in continental southern Siberia: effects of pH and climate in the context of the species pool hypothesis. <i>Global Ecology and Biogeography</i> , 2007, 16, 668-678.	5.8	95
7	Testing a relict distributional pattern of fen plant and terrestrial snail species at the Holocene scale: a null model approach. <i>Journal of Biogeography</i> , 2011, 38, 742-755.	3.0	77
8	Bryophyte and vascular plant responses to base-richness and water level gradients in Western Carpathian Sphagnum-rich mires. <i>Folia Geobotanica</i> , 2004, 39, 335-351.	0.9	73
9	Formalized classification of European fen vegetation at the alliance level. <i>Applied Vegetation Science</i> , 2017, 20, 124-142.	1.9	73
10	Diversity of forest vegetation across a strong gradient of climatic continentality: Western Sayan Mountains, southern Siberia. <i>Plant Ecology</i> , 2008, 196, 61-83.	1.6	72
11	Diversity of wetland vegetation in the Bulgarian high mountains, main gradients and context-dependence of the pH role. <i>Plant Ecology</i> , 2006, 184, 111-130.	1.6	70
12	The age of island-like habitats impacts habitat specialist species richness. <i>Ecology</i> , 2012, 93, 1106-1114.	3.2	67
13	Habitats of relict terrestrial snails in southern Siberia: lessons for the reconstruction of palaeoenvironments of full-glacial Europe. <i>Journal of Biogeography</i> , 2010, 37, 1450-1462.	3.0	65
14	Formation, succession and landscape history of Central-European summit raised bogs: A multiproxy study from the Hrubá Jeseník Mountains. <i>Holocene</i> , 2013, 23, 230-242.	1.7	57
15	The relationship between plant species richness and soil pH vanishes with increasing aridity across Eurasian dry grasslands. <i>Global Ecology and Biogeography</i> , 2017, 26, 425-434.	5.8	57
16	Vegetation diversity of salt-rich grasslands in Southeast Europe. <i>Applied Vegetation Science</i> , 2013, 16, 521-537.	1.9	54
17	Distribution of diatoms and bryophytes on linear transects through spring fens. <i>Nova Hedwigia</i> , 2004, 78, 411-424.	0.4	53
18	How can we effectively restore species richness and natural composition of a <i>Molinia</i> invaded fen?. <i>Journal of Applied Ecology</i> , 2009, 46, 417-425.	4.0	51

#	ARTICLE	IF	CITATIONS
19	European glacial relict snails and plants: environmental context of their modern refugial occurrence in southern Siberia. <i>Boreas</i> , 2015, 44, 638-657.	2.4	51
20	Origin and contrasting succession pathways of the Western Carpathian calcareous fens revealed by plant and mollusc macrofossils. <i>Boreas</i> , 2012, 41, 690-706.	2.4	49
21	Using multi-proxy palaeoecology to test a relict status of refugial populations of calcareous-fen species in the Western Carpathians. <i>Holocene</i> , 2015, 25, 702-715.	1.7	49
22	Pollen-inferred millennial changes in landscape patterns at a major biogeographical interface within Europe. <i>Journal of Biogeography</i> , 2017, 44, 2386-2397.	3.0	49
23	How a <i>Sphagnum fuscum</i> -dominated bog changed into a calcareous fen: the unique Holocene history of a Slovak spring-fed mire. <i>Journal of Quaternary Science</i> , 2012, 27, 233-243.	2.1	45
24	Estimation of herbaceous biomass from species composition and cover. <i>Applied Vegetation Science</i> , 2012, 15, 580-589.	1.9	45
25	Contrasting Holocene environmental histories may explain patterns of species richness and rarity in a Central European landscape. <i>Quaternary Science Reviews</i> , 2016, 133, 48-61.	3.0	45
26	Principal factors controlling the species richness of European fens differ between habitat specialists and matrix-derived species. <i>Diversity and Distributions</i> , 2018, 24, 742-754.	4.1	44
27	A modern analogue of the Pleistocene steppe-tundra ecosystem in southern Siberia. <i>Boreas</i> , 2019, 48, 36-56.	2.4	44
28	High species richness in hemiboreal forests of the northern Russian Altai, southern Siberia. <i>Journal of Vegetation Science</i> , 2012, 23, 605-616.	2.2	37
29	Effects of changes in management on resistance and resilience in three grassland communities. <i>Applied Vegetation Science</i> , 2013, 16, 640-649.	1.9	37
30	Modelling the distribution and compositional variation of plant communities at the continental scale. <i>Diversity and Distributions</i> , 2018, 24, 978-990.	4.1	37
31	A first chironomid-based summer temperature reconstruction (13â€“5Âka BP) around 49Â°N in inland Europe compared with local lake development. <i>Quaternary Science Reviews</i> , 2016, 141, 94-111.	3.0	35
32	Biogeographic patterns of base-rich fen vegetation across Europe. <i>Applied Vegetation Science</i> , 2014, 17, 367-380.	1.9	34
33	Long-term vegetation changes in bogs exposed to high atmospheric deposition, aerial liming and climate fluctuation. <i>Journal of Vegetation Science</i> , 2011, 22, 891-904.	2.2	33
34	<i>Sphagnum</i> distribution patterns along environmental gradients in Bulgaria. <i>Journal of Bryology</i> , 2007, 29, 18-26.	1.2	28
35	A complete Holocene climate and environment record for the Western Carpathians (Slovakia) derived from a tufa deposit. <i>Holocene</i> , 2019, 29, 493-504.	1.7	28
36	Holocene history and environmental reconstruction of a Hercynian mire and surrounding mountain landscape based on multiple proxies. <i>Quaternary Research</i> , 2014, 82, 107-120.	1.7	27

#	ARTICLE	IF	CITATIONS
37	Convergence and impoverishment of fen communities in a eutrophicated agricultural landscape of the Czech Republic. <i>Applied Vegetation Science</i> , 2017, 20, 225-235.	1.9	27
38	Shifts in the ecological behaviour of plant species between two distant regions: evidence from the base richness gradient in mires. <i>Journal of Biogeography</i> , 2008, 35, 282-294.	3.0	25
39	The ratio between bryophyte functional groups impacts vascular plants in rich fens. <i>Applied Vegetation Science</i> , 2019, 22, 494-507.	1.9	25
40	Disjunct Occurrences of Plant Species in the Refugial Mires of Bulgaria. <i>Folia Geobotanica</i> , 2009, 44, 365-386.	0.9	24
41	Landscape history, calcareous fen development and historical events in the Slovak Eastern Carpathians. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 497-513.	2.1	24
42	A European map of groundwater pH and calcium. <i>Earth System Science Data</i> , 2021, 13, 1089-1105.	9.9	24
43	Long-term and contemporary environmental conditions as determinants of the species composition of bog organisms. <i>Freshwater Biology</i> , 2013, 58, 2196-2207.	2.4	23
44	The type of nutrient limitation affects the plant species richness-productivity relationship: Evidence from dry grasslands across Eurasia. <i>Journal of Ecology</i> , 2019, 107, 1038-1050.	4.0	23
45	Refugial ecosystems in central Asia as indicators of biodiversity change during the Pleistocene-Holocene transition. <i>Ecological Indicators</i> , 2017, 77, 357-367.	6.3	22
46	Habitat extremity and conservation management stabilise endangered calcareous fens in a changing world. <i>Science of the Total Environment</i> , 2020, 719, 134693.	8.0	22
47	Formal definitions of Slovakian mire plant associations and their application in regional research. <i>Biologia (Poland)</i> , 2007, 62, 400-408.	1.5	21
48	Patterns of bryophyte and vascular plant richness in European subalpine springs. <i>Plant Ecology</i> , 2012, 213, 237-249.	1.6	21
49	The Balkan wet grassland vegetation: a prerequisite to better understanding of European habitat diversity. <i>Plant Ecology</i> , 2008, 195, 197-213.	1.6	20
50	Origin of a boreal birch bog woodland and landscape development on a warm low mountain summit at the Carpathian-Pannonian interface. <i>Holocene</i> , 2016, 26, 1112-1125.	1.7	20
51	Do we need soil moisture measurements in the vegetation-environment studies in wetlands?. <i>Journal of Vegetation Science</i> , 2013, 24, 127-137.	2.2	19
52	Holocene development of two calcareous spring fens at the Carpathian-Pannonian interface controlled by climate and human impact. <i>Folia Geobotanica</i> , 2018, 53, 243-263.	0.9	19
53	Rising temperature modulates pH niches of fen species. <i>Global Change Biology</i> , 2022, 28, 1023-1037.	9.5	18
54	Tracing decadal environmental change in ombrotrophic bogs using diatoms from herbarium collections and transfer functions. <i>Environmental Pollution</i> , 2013, 179, 201-209.	7.5	17

#	ARTICLE	IF	CITATIONS
55	Long-lasting Imprint of Former Glassworks on Vegetation Pattern in an Extremely Species-rich Grassland: A Battle of Species Pools on Mesic Soils. <i>Ecosystems</i> , 2017, 20, 1233-1249.	3.4	17
56	Landslides increased Holocene habitat diversity on a flysch bedrock in the Western Carpathians. <i>Quaternary Science Reviews</i> , 2019, 219, 68-83.	3.0	17
57	Testing inter-regional variation in <i>scp</i> pH <i>scs</i> niches of fen mosses. <i>Journal of Vegetation Science</i> , 2016, 27, 352-364.	2.2	16
58	Early and middle Holocene ecosystem changes at the Western Carpathian/Pannonian border driven by climate and Neolithic impact. <i>Boreas</i> , 2018, 47, 897-909.	2.4	16
59	Using a new database of plant macrofossils of the Czech and Slovak Republics to compare past and present distribution of hypothetically relict fen mosses. <i>Preslia</i> , 2018, 90, 367-386.	2.8	15
60	Persistence of a vegetation mosaic in a peripheral region: could turbulent medieval history disrupt Holocene continuity of extremely species-rich grasslands?. <i>Vegetation History and Archaeobotany</i> , 2018, 27, 591-610.	2.1	13
61	Towards the pan-European bioindication system: Assessing and testing updated hydrological indicator values for vascular plants and bryophytes in mires. <i>Ecological Indicators</i> , 2020, 116, 106527.	6.3	11
62	Is variable plot size a serious constraint in broad-scale vegetation studies? A case study on fens. <i>Journal of Vegetation Science</i> , 2020, 31, 594-605.	2.2	11
63	Can relict-rich communities be of an anthropogenic origin? Palaeoecological insight into conservation strategy for endangered Carpathian travertine fens. <i>Quaternary Science Reviews</i> , 2020, 234, 106241.	3.0	10
64	The role of base saturation and altitude in habitat differentiation within <i>Philonotis</i> in springs and mires of three different European regions. <i>Bryologist</i> , 2007, 110, 776-787.	0.6	8
65	Mire vegetation of the Muránska Planina Mts – formalised classification, ecology, main environmental gradient and influence of geographical position. <i>Biologia (Poland)</i> , 2008, 63, 368-377.	1.5	8
66	Small ones and big ones: cross-taxon congruence reflects organism body size in ombrotrophic bogs. <i>Hydrobiologia</i> , 2014, 726, 95-107.	2.0	8
67	Effect of sample size and resolution on palaeomalacological interpretation: a case study from Holocene calcareous fen deposits. <i>Journal of Quaternary Science</i> , 2018, 33, 68-78.	2.1	8
68	Spring water table depth mediates within-site variation of soil temperature in groundwater-fed mires. <i>Hydrological Processes</i> , 2021, 35, e14293.	2.6	8
69	Soil moisture and a legacy of prehistoric human activities have contributed to the extraordinary plant species diversity of grasslands in the White Carpathians. <i>Preslia</i> , 2020, 92, 35-56.	2.8	8
70	Pre-industrial composition of woodlands and modern deforestation events in the southern part of the Western Carpathians. <i>Review of Palaeobotany and Palynology</i> , 2019, 260, 1-15.	1.5	7
71	Conservation targets from the perspective of a palaeoecological reconstruction. <i>Preslia</i> , 2020, 92, .	2.8	7
72	A European warm waters neophyte <i>Shinnersia rivularis</i> – new alien species to the Slovak flora. <i>Biologia (Poland)</i> , 2009, 64, 684-686.	1.5	6

#	ARTICLE	IF	CITATIONS
73	The insecure future of Bulgarian refugial mires: economic progress versus Natura 2000. <i>Oryx</i> , 2010, 44, 539-546.	1.0	6
74	Mollusc Assemblages of Scandinavian Fens: Species Composition in Relation to Environmental Gradients and Vegetation. <i>Annales Zoologici Fennici</i> , 2015, 52, 1-16.	0.6	6
75	Relict occurrences of boreal brown-moss quaking rich fens in the Carpathians and adjacent territories. <i>Folia Geobotanica</i> , 2018, 53, 265-276.	0.9	6
76	Gradients, species richness and biogeographical links of steppe grasslands in Western Podolia (Ukraine). <i>Phytocoenologia</i> , 2019, 49, 349-367.	0.5	6
77	The long history of rich fens supports persistence of plant and snail habitat specialists. <i>Biodiversity and Conservation</i> , 2022, 31, 39-57.	2.6	6
78	Refugial occurrence and ecology of the land snail <i>Vertigo lilljeborgi</i> in fen habitats in temperate mainland Europe. <i>Journal of Molluscan Studies</i> , 2017, 83, 451-460.	1.2	5
79	Spruce representation in zonal woodlands may be overestimated when using pollen spectra from peatlands. <i>Review of Palaeobotany and Palynology</i> , 2019, 271, 104104.	1.5	5
80	Colonisation dynamic and diversity patterns of Holocene forest snail fauna across temperate Europe: The imprint of palaeoclimate changes. <i>Quaternary Science Reviews</i> , 2020, 240, 106367.	3.0	5
81	Holocene palaeoenvironments from the Direndall tufa (Luxembourg) reconstructed from the molluscan succession and stable isotope records. <i>Holocene</i> , 2020, 30, 982-995.	1.7	5
82	Classification of European bog vegetation of the <i>Oxycocco-Sphagnetum</i> class. <i>Applied Vegetation Science</i> , 2022, 25, .	1.9	5
83	Arcto-Alpine Species at Their Niche Margin: the Western Carpathian Refugia of <i>Juncus castaneus</i> and <i>J. triglumis</i> in Slovakia. <i>Annales Botanici Fennici</i> , 2017, 54, 67-82.	0.1	4
84	A novel dataset of permanent plots in extremely species-rich temperate grasslands. <i>Folia Geobotanica</i> , 2020, 55, 257-268.	0.9	4
85	Can <i>Sphagnum</i> removal reverse the undesired succession of rich fens under different alkalinity and fertility levels?. <i>Ecological Applications</i> , 2022, 32, .	3.8	4
86	Conservation and restoration of Central European fens by mowing: A consensus from 20 years of experimental work. <i>Science of the Total Environment</i> , 2022, , 157293.	8.0	4
87	The Last Glacial and Holocene history of mountain woodlands in the southern part of the Western Carpathians, with emphasis on the spread of <i>Fagus sylvatica</i> . <i>Palynology</i> , 2020, 44, 709-722.	1.5	3
88	Land snail community patterns related to regional habitat conservation status of European spring fens. <i>Science of the Total Environment</i> , 2021, 783, 146910.	8.0	3
89	Western-Carpathian mountain spruce woodlands at their southern margin. <i>Preslia</i> , 2020, 92, .	2.8	3
90	Holocene history of the landscape at the biogeographical and cultural crossroads between Central and Eastern Europe (Western Podillia, Ukraine). <i>Quaternary Science Reviews</i> , 2022, 288, 107610.	3.0	3

#	ARTICLE	IF	CITATIONS
91	Ecology of testate amoebae along an environmental gradient from bogs to calcareous fens in East-Central Europe: development of transfer functions for palaeoenvironmental reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 601, 111145.	2.3	3
92	Vegetation and ecological characteristics of the northernmost salt marshes of the European continent. <i>Nordic Journal of Botany</i> , 2019, 37, .	0.5	2
93	Introduction to this special issue on the ecology and evolution of the Carpathian flora. <i>Folia Geobotanica</i> , 2018, 53, 241-242.	0.9	0
94	<i>Drepanocladus lycopodioides</i> rediscovered in the Czech Republic: Abandoned quarries as refugia for endangered fen species. <i>Aquatic Botany</i> , 2021, 172, 103380.	1.6	0