

Peter TÃ¶rÃ¶k

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

5,834
citations

101543

36
h-index

91884

69
g-index

151
all docs

151
docs citations

151
times ranked

6765
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-restoration grassland management overrides the effects of restoration methods in propagule-rich landscapes. <i>Ecological Applications</i> , 2022, 32, e02463.	3.8	13
2	Turning old foes into new allies”Harnessing drainage canals for biodiversity conservation in a desiccated European lowland region. <i>Journal of Applied Ecology</i> , 2022, 59, 89-102.	4.0	10
3	Urgent need for updating the slogan of global climate actions from “tree planting” to “restore native vegetation”. <i>Restoration Ecology</i> , 2022, 30, e13594.	2.9	27
4	Knowledge sharing for shared success in the decade on ecosystem restoration. <i>Ecological Solutions and Evidence</i> , 2022, 3, e12117.	2.0	18
5	Species-based indicators to assess habitat degradation: Comparing the conceptual, methodological, and ecological relationships between hemeroby and naturalness values. <i>Ecological Indicators</i> , 2022, 136, 108707.	6.3	8
6	Trade of commercial potting substrates: A largely overlooked means of the long-distance dispersal of plants. <i>Science of the Total Environment</i> , 2022, 825, 154093.	8.0	1
7	Environmental drivers and spatial scaling of species abundance distributions in Palaeartic grassland vegetation. <i>Ecology</i> , 2022, 103, e3725.	3.2	9
8	New data of plant leaf traits from Central Europe. <i>Data in Brief</i> , 2022, 42, 108286.	1.0	6
9	Dynamics in vegetation and seed bank composition highlight the importance of post-restoration management in sown grasslands. <i>Restoration Ecology</i> , 2021, 29, e13192.	2.9	11
10	Establishment gaps in species-poor grasslands: artificial biodiversity hotspots to support the colonization of target species. <i>Restoration Ecology</i> , 2021, 29, e13135.	2.9	15
11	A hencidai Mondr ³ -halom, a l ³ szgyep-veget ³ ci ³ r ³ z ³ je. <i>Kitabelia</i> , 2021, 20, 143-149.	0.1	5
12	Oak regeneration at the arid boundary of the temperate deciduous forest biome: insights from a seeding and watering experiment. <i>European Journal of Forest Research</i> , 2021, 140, 589-601.	2.5	4
13	The Eurasian Dry Grassland Group (EDGG) in 2019–2020. <i>Hacquetia</i> , 2021, 20, 171-176.	0.4	2
14	The present and future of grassland restoration. <i>Restoration Ecology</i> , 2021, 29, e13378.	2.9	71
15	IAVS annual reports 2020. <i>IAVS Bulletin</i> , 2021, 2021, 8-19.	0.0	0
16	Scale dependence of species–area relationships is widespread but generally weak in Palaeartic grasslands. <i>Journal of Vegetation Science</i> , 2021, 32, e13044.	2.2	8
17	Zoochory on and off: A field experiment for trait-based analysis of establishment success of grassland species. <i>Journal of Vegetation Science</i> , 2021, 32, e13051.	2.2	5
18	Drivers of seedling establishment success in dryland restoration efforts. <i>Nature Ecology and Evolution</i> , 2021, 5, 1283-1290.	7.8	75

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19	Benchmarking plant diversity of Palaearctic grasslands and other open habitats. <i>Journal of Vegetation Science</i> , 2021, 32, e13050.	2.2	34
20	Are recent protection strategies sufficient for maintaining diverse freshwater benthic diatom assemblages?. <i>Ecological Indicators</i> , 2021, 127, 107782.	6.3	4
21	Patterns of pollination interactions at the community level are related to the type and quantity of floral resources. <i>Functional Ecology</i> , 2021, 35, 2461-2471.	3.6	11
22	Different extinction debts among plants and arthropods after loss of grassland amount and connectivity. <i>Biological Conservation</i> , 2021, 264, 109372.	4.1	19
23	Conservation biology research priorities for 2050: A Central-Eastern European perspective. <i>Biological Conservation</i> , 2021, 264, 109396.	4.1	8
24	Invasion of the North American sand dropseed (<i>Sporobolus cryptandrus</i>) – A new pest in Eurasian sand areas?. <i>Global Ecology and Conservation</i> , 2021, 32, e01942.	2.1	3
25	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
26	High resistance of plant biodiversity to moderate native woody encroachment in loess steppe grassland fragments. <i>Applied Vegetation Science</i> , 2020, 23, 175-184.	1.9	18
27	Habitat islands outside nature reserves – Threatened biodiversity hotspots of grassland specialist plant and arthropod species. <i>Biological Conservation</i> , 2020, 241, 108254.	4.1	45
28	Climate, landscape history and management drive Eurasian steppe biodiversity. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 271, 151685.	1.2	15
29	The importance of dispersal and species establishment in vegetation dynamics and resilience. <i>Journal of Vegetation Science</i> , 2020, 31, 935-942.	2.2	13
30	Leaf trait records of vascular plant species in the Pannonian flora with special focus on endemics and rarities. <i>Folia Geobotanica</i> , 2020, 55, 73-79.	0.9	11
31	River embankments mitigate the loss of grassland biodiversity in agricultural landscapes. <i>River Research and Applications</i> , 2020, 36, 1160-1170.	1.7	15
32	Grasslands of Eastern Europe. , 2020, , 703-713.		5
33	Underground deserts below fertility islands? Woody species desiccate lower soil layers in sandy drylands. <i>Ecography</i> , 2020, 43, 848-859.	4.5	37
34	Beyond the Forest-Grassland Dichotomy: The Gradient-Like Organization of Habitats in Forest-Steppes. <i>Frontiers in Plant Science</i> , 2020, 11, 236.	3.6	11
35	Grasslands of the Palaearctic Biogeographic Realm: Introduction and Synthesis. , 2020, , 617-637.		38
36	Chemotyping of terrestrial Nostoc-like isolates from alkali grassland areas by non-targeted peptide analysis. <i>Algal Research</i> , 2020, 46, 101798.	4.6	10

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37	Germination response of invasive plants to soil burial depth and litter accumulation is species-specific. <i>Journal of Vegetation Science</i> , 2020, 31, 1079-1087.	2.2	15
38	A kÃ¶p-tiszavidÃ©ki halmok flÃ³rakutatÃ¡sÃ¡nak Ã©j eredmÃ©nye. <i>Kitaibelia</i> , 2020, 24, .	0.1	0
39	Density-Dependent Plant-Plant Interactions Triggered by Grazing. <i>Frontiers in Plant Science</i> , 2019, 10, 876.	3.6	8
40	Water usage and seasonality as primary drivers of benthic diatom assemblages in a lowland reservoir. <i>Ecological Indicators</i> , 2019, 106, 105443.	6.3	11
41	Pollination and dispersal trait spectra recover faster than the growth form spectrum during spontaneous succession in sandy old-fields. <i>Applied Vegetation Science</i> , 2019, 22, 435-443.	1.9	5
42	Recovery of species richness lags behind functional recovery in restored grasslands. <i>Land Degradation and Development</i> , 2019, 30, 1083-1094.	3.9	19
43	Autumn drought drives functional diversity of benthic diatom assemblages of continental intermittent streams. <i>Advances in Water Resources</i> , 2019, 126, 129-136.	3.8	35
44	Both mass ratio effects and community diversity drive biomass production in a grassland experiment. <i>Scientific Reports</i> , 2019, 9, 1848.	3.3	37
45	The Eurasian Dry Grassland Group (EDGG) in 2018-2019. <i>Hacquetia</i> , 2019, 18, 147-154.	0.4	3
46	Working Groups Annual Reports. <i>IAVS Bulletin</i> , 2019, 2019, 17-24.	0.0	0
47	KiegÃ©szÃ©sek a magyar flÃ³ra ismeretÃ©hez. <i>Botanikai Kozlemenyek</i> , 2019, 106, 71-112.	0.1	0
48	Where forests meet grasslands: Forest-steppes in Eurasia. , 2019, , 22-26.		4
49	62nd Annual Symposium of the IAVS -Vegetation Science and Biodiversity Research-14-19 July 2019, Bremen. , 2019, , 23-25.		0
50	The edge of two worlds: A new review and synthesis on Eurasian forest-steppes. <i>Applied Vegetation Science</i> , 2018, 21, 345-362.	1.9	114
51	Grassland seed bank and community resilience in a changing climate. <i>Restoration Ecology</i> , 2018, 26, S141.	2.9	50
52	Think twice before using narrow buffers: Attenuating mowing-induced arthropod spillover at forest grassland edges. <i>Agriculture, Ecosystems and Environment</i> , 2018, 255, 37-44.	5.3	9
53	Litter removal does not compensate detrimental fire effects on biodiversity in regularly burned semi-natural grasslands. <i>Science of the Total Environment</i> , 2018, 622-623, 783-789.	8.0	12
54	Beyond the species pool: modification of species dispersal, establishment, and assembly by habitat restoration. <i>Restoration Ecology</i> , 2018, 26, S65.	2.9	45

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55	Livestock Type is More Crucial Than Grazing Intensity: Traditional Cattle and Sheep Grazing in Short-Grass Steppes. <i>Land Degradation and Development</i> , 2018, 29, 231-239.	3.9	129
56	Succession in soil seed banks and its implications for restoration of calcareous sand grasslands. <i>Restoration Ecology</i> , 2018, 26, S134.	2.9	26
57	GrassPlot – a database of multi-scale plant diversity in Palearctic grasslands. <i>Phytocoenologia</i> , 2018, 48, 331-347.	0.5	49
58	Vegetation type and grazing intensity jointly shape grazing effects on grassland biodiversity. <i>Ecology and Evolution</i> , 2018, 8, 10326-10335.	1.9	45
59	Both trait-neutrality and filtering effects are validated by the vegetation patterns detected in the functional recovery of sand grasslands. <i>Scientific Reports</i> , 2018, 8, 13703.	3.3	9
60	Landscape and habitat filters jointly drive richness and abundance of specialist plants in terrestrial habitat islands. <i>Landscape Ecology</i> , 2018, 33, 1117-1132.	4.2	36
61	Colonisation processes in benthic algal communities are well reflected by functional groups. <i>Hydrobiologia</i> , 2018, 823, 231-245.	2.0	13
62	Ecosystem engineering by foxes is mediated by the landscape context – A case study from steppic burial mounds. <i>Ecology and Evolution</i> , 2018, 8, 7044-7054.	1.9	12
63	The Eurasian Dry Grassland Group (EDGG) in 2016 – 2017. <i>Hacquetia</i> , 2018, 17, 17-23.	0.4	1
64	How to cure grassland ecosystems?. <i>IAVS Bulletin</i> , 2018, 2018, 17-22.	0.0	0
65	A promising new tool for enhancing grassland biodiversity in fragmented landscapes: high-diversity sowing in establishment gaps. , 2018, , .		0
66	Landscape and habitat filters jointly drive richness and abundance of specialist plants in terrestrial grassland islands. , 2018, , .		0
67	Germination capacity of 75 herbaceous species of the pannonian flora and implications for restoration. <i>Acta Botanica Hungarica</i> , 2018, 60, 357-368.	0.3	3
68	Comparison of species-rich cover crop mixtures in the Tokaj wine region (Hungary). <i>Organic Agriculture</i> , 2017, 7, 133-139.	2.4	2
69	A new aspect of grassland vegetation dynamics: cyanobacterium colonies affect establishment success of plants. <i>Journal of Vegetation Science</i> , 2017, 28, 475-483.	2.2	10
70	Biodiversity on the waves of history: Conservation in a changing social and institutional environment in Hungary, a post-soviet EU member state. <i>Biological Conservation</i> , 2017, 211, 67-75.	4.1	25
71	New aspects of grassland recovery in old-fields revealed by trait-based analyses of perennial-crop-mediated succession. <i>Ecology and Evolution</i> , 2017, 7, 2432-2440.	1.9	23
72	Filling up the gaps – Passive restoration does work on linear landscape elements. <i>Ecological Engineering</i> , 2017, 102, 501-508.	3.6	31

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73	Ecological theory provides strong support for habitat restoration. <i>Biological Conservation</i> , 2017, 206, 85-91.	4.1	64
74	Do large-seeded herbs have a small range size? The seed mass–distribution range trade-off hypothesis. <i>Ecology and Evolution</i> , 2017, 7, 11204-11212.	1.9	24
75	Ecological background of diatom functional groups: Comparability of classification systems. <i>Ecological Indicators</i> , 2017, 82, 183-188.	6.3	33
76	Taxonomical and chorological notes 5 (59–70). <i>Studia Botanica Hungarica</i> , 2017, 48, 263-275.	0.2	3
77	Functional diversity supports the biomass–diversity humped-back relationship in phytoplankton assemblages. <i>Functional Ecology</i> , 2016, 30, 1593-1602.	3.6	37
78	New measurements of thousand-seed weights of species in the Pannonian flora. <i>Acta Botanica Hungarica</i> , 2016, 58, 187-198.	0.3	24
79	Abandonment of croplands: problem or chance for grassland restoration? case studies from Hungary. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	3.1	38
80	Managing for species composition or diversity? Pastoral and free grazing systems in alkali steppes. <i>Agriculture, Ecosystems and Environment</i> , 2016, 234, 23-30.	5.3	51
81	The Palearctic steppe biome: a new synthesis. <i>Biodiversity and Conservation</i> , 2016, 25, 2197-2231.	2.6	167
82	Factors threatening grassland specialist plants - A multi-proxy study on the vegetation of isolated grasslands. <i>Biological Conservation</i> , 2016, 204, 255-262.	4.1	51
83	Step(pe) up! Raising the profile of the Palearctic natural grasslands. <i>Biodiversity and Conservation</i> , 2016, 25, 2187-2195.	2.6	43
84	Higher seed number compensates for lower fruit set in deceptive orchids. <i>Journal of Ecology</i> , 2016, 104, 343-351.	4.0	39
85	Effects of Land Use and Wildfires on the Habitat Selection of Great Bustard (<i>Otis tarda</i>) Tj ETQq1 1 0.784314,rgBT /Overlock 16	3.9	16
86	The invasion of common milkweed (<i>Asclepias syriaca</i>) in sandy old-fields is it a threat to the native flora?. <i>Applied Vegetation Science</i> , 2016, 19, 218-224.	1.9	39
87	Combined eco-morphological functional groups are reliable indicators of colonisation processes of benthic diatom assemblages in a lowland stream. <i>Ecological Indicators</i> , 2016, 64, 31-38.	6.3	55
88	River Dikes in Agricultural Landscapes: The Importance of Secondary Habitats in Maintaining Landscape-Scale Diversity. <i>Wetlands</i> , 2016, 36, 251-264.	1.5	17
89	Cultural monuments and nature conservation: a review of the role of kurgans in the conservation and restoration of steppe vegetation. <i>Biodiversity and Conservation</i> , 2016, 25, 2473-2490.	2.6	95
90	Supporting biodiversity by prescribed burning in grasslands – A multi-taxa approach. <i>Science of the Total Environment</i> , 2016, 572, 1377-1384.	8.0	54

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91	The Eurasian Dry Grassland Group (EDGG) in 2015â€“2016. <i>Hacquetia</i> , 2016, 15, 15-19.	0.4	2
92	Establishment of three cover crop mixtures in vineyards. <i>Scientia Horticulturae</i> , 2015, 197, 117-123.	3.6	24
93	Halophilic diatom taxa are sensitive indicators of even short term changes in lowland lotic systems. <i>Acta Botanica Croatica</i> , 2015, 74, 287-302.	0.7	27
94	Reed cut, habitat diversity and productivity in wetlands. <i>Ecological Complexity</i> , 2015, 22, 121-125.	2.9	21
95	Both facilitation and limiting similarity shape the species coexistence in dry alkali grasslands. <i>Ecological Complexity</i> , 2015, 21, 34-38.	2.9	27
96	Micro-topographic heterogeneity increases plant diversity in old stages of restored grasslands. <i>Basic and Applied Ecology</i> , 2015, 16, 291-299.	2.7	41
97	Conservation Value, Management and Restoration of Europeâ€™S Semiâ€™Natural Open Landscapes. <i>Hacquetia</i> , 2015, 14, 5-17.	0.4	31
98	Harnessing the biodiversity value of Central and Eastern European farmland. <i>Diversity and Distributions</i> , 2015, 21, 722-730.	4.1	172
99	Bridging the research-practice gap: Conservation research priorities in a Central and Eastern European country. <i>Journal for Nature Conservation</i> , 2015, 28, 133-148.	1.8	11
100	Does disturbance enhance the competitive effect of the invasive <i>Solidago canadensis</i> on the performance of two native grasses?. <i>Biological Invasions</i> , 2015, 17, 3303-3315.	2.4	34
101	Traditional Cattle Grazing in a Mosaic Alkali Landscape: Effects on Grassland Biodiversity along a Moisture Gradient. <i>PLoS ONE</i> , 2014, 9, e97095.	2.5	51
102	Sustaining recovered grasslands is not likely without proper management: vegetation changes after cessation of mowing. <i>Biodiversity and Conservation</i> , 2014, 23, 741-751.	2.6	38
103	Secondary succession in sandy oldâ€™fields: a promising example of spontaneous grassland recovery. <i>Applied Vegetation Science</i> , 2014, 17, 214-224.	1.9	95
104	Environmental factors driving seed bank diversity in alkali grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2014, 182, 80-87.	5.3	59
105	Review: Prospects and limitations of prescribed burning as a management tool in European grasslands. <i>Basic and Applied Ecology</i> , 2014, 15, 26-33.	2.7	113
106	Ecological diatom guilds are useful but not sensitive enough as indicators of extremely changing water regimes. <i>Hydrobiologia</i> , 2014, 738, 191-204.	2.0	39
107	Biodiversity of Palaearctic grasslands: a synthesis. <i>Agriculture, Ecosystems and Environment</i> , 2014, 182, 1-14.	5.3	422
108	European grassland ecosystems: threatened hotspots of biodiversity. <i>Biodiversity and Conservation</i> , 2013, 22, 2131-2138.	2.6	276

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109	Effects of litter on seedling establishment: an indoor experiment with short-lived Brassicaceae species. <i>Plant Ecology</i> , 2013, 214, 189-193.	1.6	18
110	Laboratory and microcosm experiments testing the toxicity of chlorinated hydrocarbons on a cyanobacterium strain (<i>Synechococcus</i> PCC 6301) and on natural phytoplankton assemblages. <i>Hydrobiologia</i> , 2013, 710, 189-203.	2.0	7
111	Mechanisms shaping plant biomass and species richness: plant strategies and litter effect in alkali and loess grasslands. <i>Journal of Vegetation Science</i> , 2013, 24, 1195-1203.	2.2	99
112	Is regular mowing the most appropriate and cost-effective management maintaining diversity and biomass of target forbs in mountain hay meadows?. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 303-309.	1.2	100
113	Fast restoration of grassland vegetation by a combination of seed mixture sowing and low-diversity hay transfer. <i>Ecological Engineering</i> , 2012, 44, 133-138.	3.6	32
114	Recovery of native grass biodiversity by sowing on former croplands: Is weed suppression a feasible goal for grassland restoration?. <i>Journal for Nature Conservation</i> , 2012, 20, 41-48.	1.8	38
115	Grassland restoration to conserve landscape-level biodiversity: a synthesis of early results from a large-scale project. <i>Applied Vegetation Science</i> , 2012, 15, 264-276.	1.9	43
116	Vegetation of the Dolines in Mecsek Mountains (South Hungary) in relation to the Local Plant Communities. <i>Acta Carsologica</i> , 2012, 38, .	0.7	27
117	Penetration of weeds into the herbaceous understorey and soil seed bank of a Turkey oak-sessile oak forest in Hungary. <i>Community Ecology</i> , 2011, 12, 227-233.	0.9	12
118	Lucerne-dominated fields recover native grass diversity without intensive management actions. <i>Journal of Applied Ecology</i> , 2011, 48, 257-264.	4.0	65
119	Restoration Potential in Seed Banks of Acidic Fen and Dry-Mesophilous Meadows: Can Restoration Be Based on Local Seed Banks?. <i>Restoration Ecology</i> , 2011, 19, 9-15.	2.9	76
120	Grassland restoration on former croplands in Europe: an assessment of applicability of techniques and costs. <i>Biodiversity and Conservation</i> , 2011, 20, 2311-2332.	2.6	244
121	Litter and graminoid biomass accumulation suppresses weedy forbs in grassland restoration. <i>Plant Biosystems</i> , 2011, 145, 730-737.	1.6	43
122	Early vegetation development after grassland restoration by sowing low-diversity seed mixtures in former sunflower and cereal fields. <i>Acta Biologica Hungarica</i> , 2010, 61, 226-235.	0.7	7
123	The role of seed bank in the dynamics of understorey in an oak forest in Hungary. <i>Acta Biologica Hungarica</i> , 2010, 61, 109-119.	0.7	7
124	Restoring grassland biodiversity: Sowing low-diversity seed mixtures can lead to rapid favourable changes. <i>Biological Conservation</i> , 2010, 143, 806-812.	4.1	89
125	Seed Bank and Vegetation Development of Sandy Grasslands After Goose Breeding. <i>Folia Geobotanica</i> , 2009, 44, 31-46.	0.9	27
126	Cultural heritage and biodiversity conservation – plant introduction and practical restoration on ancient burial mounds. <i>Nature Conservation</i> , 0, 24, 65-80.	0.0	26

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127	Világunk megismerése és a másként látnak megértése legalább olyan fontos, mint az innováció. Magyar Tudomány, 0, , .	0.0	0
128	The Eurasian Dry Grassland Group – conserving grassland habitats in the Palaearctic region. ARPHA Conference Abstracts, 0, 2, .	0.0	14
129	Magyarországi kutatói pályázatok és a fiatal kutatói szemmel. Általános irányelvek és ajánlások a Fiatal Kutatók Akadémiájára. Magyar Tudomány, 0, , .	0.0	0
130	Fiatal kutatók nehézségei a COVID-19 járvány alatt – Difficulties of Young Researchers during the Covid-19 Pandemic. Magyar Tudomány, 0, , .	0.0	1
131	Increasing abundance of an invasive C4 grass is associated with larger community changes away than at home. Applied Vegetation Science, 0, , .	1.9	1