

Peter Batary

List of Publications by Year in descending order

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Version: 2024-02-01

136
papers

12,079
citations

38742

50
h-index

28297

105
g-index

140
all docs

140
docs citations

140
times ranked

10189
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoring biodiversity needs more than reducing pesticides. <i>Trends in Ecology and Evolution</i> , 2022, 37, 115-116.	8.7	7
2	Increasing landscape complexity enhances species richness of farmland arthropods, agri-environment schemes also abundance – A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107822.	5.3	32
3	Landscape structure is a major driver of plant and arthropod diversity in natural European forest fragments. <i>Ecosphere</i> , 2022, 13, e3905.	2.2	7
4	Fragmentation of forest-steppe predicts functional community composition of wild bee and wasp communities. <i>Global Ecology and Conservation</i> , 2022, 33, e01988.	2.1	7
5	Matrix quality and habitat type drive the diversity pattern of forest steppe fragments. <i>Perspectives in Ecology and Conservation</i> , 2022, 20, 60-68.	1.9	2
6	Field experiments underestimate aboveground biomass response to drought. <i>Nature Ecology and Evolution</i> , 2022, 6, 540-545.	7.8	30
7	Prioritise the most effective measures for biodiversity-friendly agriculture. <i>Trends in Ecology and Evolution</i> , 2022, , .	8.7	2
8	Grassland type and presence of management shape butterfly functional diversity in agricultural and forested landscapes. <i>Global Ecology and Conservation</i> , 2022, 35, e02096.	2.1	4
9	Scent, rather than fur pattern, determines predation of mice: an in-wild experiment with plasticine mouse models. <i>Journal of Zoology</i> , 2022, 316, 223-228.	1.7	3
10	Urbanization hampers biological control of insect pests: A global meta-analysis. <i>Science of the Total Environment</i> , 2022, 834, 155396.	8.0	15
11	Scale-dependent effectiveness of on-field vs. off-field agri-environmental measures for wild bees. <i>Basic and Applied Ecology</i> , 2022, 62, 55-60.	2.7	5
12	Not only hedgerows, but also flower fields can enhance bat activity in intensively used agricultural landscapes. <i>Basic and Applied Ecology</i> , 2022, 63, 23-35.	2.7	3
13	Biodiversity and yield trade-offs for organic farming. <i>Ecology Letters</i> , 2022, 25, 1699-1710.	6.4	25
14	Spatiotemporal land-use diversification for biodiversity. <i>Trends in Ecology and Evolution</i> , 2022, , .	8.7	2
15	No place for ground-dwellers in cities: A meta-analysis on bird functional traits. <i>Global Ecology and Conservation</i> , 2022, 38, e02217.	2.1	5
16	Combination of organic farming and flower strips in agricultural landscapes – A feasible method to maximise functional diversity of plant traits related to pollination. <i>Global Ecology and Conservation</i> , 2022, 38, e02229.	2.1	4
17	Historical, local and landscape factors determine the success of grassland restoration for arthropods. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107271.	5.3	8
18	Combining land-sparing and land-sharing in European landscapes. <i>Advances in Ecological Research</i> , 2021, , 251-303.	2.7	39

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19	Larger pollinators deposit more pollen on stigmas across multiple plant speciesâ€”A metaâ€”analysis. <i>Journal of Applied Ecology</i> , 2021, 58, 699-707.	4.0	51
20	Large carabids enhance weed seed removal in organic fields and in large-scale, but not small-scale agriculture. <i>Landscape Ecology</i> , 2021, 36, 427-438.	4.2	4
21	Urbanization does not affect green space bird species richness in a mid-sized city. <i>Urban Ecosystems</i> , 2021, 24, 789-800.	2.4	8
22	Smaller and Isolated Grassland Fragments Are Exposed to Stronger Seed and Insect Predation in Habitat Edges. <i>Forests</i> , 2021, 12, 54.	2.1	9
23	Organic winter cereals benefit bumblebee colonies in agricultural landscapes with massâ€”flowering crops. <i>Insect Conservation and Diversity</i> , 2021, 14, 504-514.	3.0	3
24	Flowering fields, organic farming and edge habitats promote diversity of plants and arthropods on arable land. <i>Journal of Applied Ecology</i> , 2021, 58, 1155-1166.	4.0	13
25	Urbanization shapes bird communities and nest survival, but not their food quantity. <i>Global Ecology and Conservation</i> , 2021, 26, e01475.	2.1	7
26	Effects of three flower field types on bumblebees and their pollen diets. <i>Basic and Applied Ecology</i> , 2021, 52, 95-108.	2.7	16
27	Environmentally-friendly and organic management practices enable complementary diversification of plantâ€”bumblebee food webs. <i>Basic and Applied Ecology</i> , 2021, 53, 164-174.	2.7	6
28	Organic farming supports lower pest infestation, but fewer natural enemies than flower strips. <i>Journal of Applied Ecology</i> , 2021, 58, 2277-2286.	4.0	8
29	Fragment connectivity shapes bird communities through functional trait filtering in two types of grasslands. <i>Global Ecology and Conservation</i> , 2021, 28, e01687.	2.1	9
30	Beyond organic farming â€” harnessing biodiversity-friendly landscapes. <i>Trends in Ecology and Evolution</i> , 2021, 36, 919-930.	8.7	219
31	Increasing connectivity enhances habitat specialists but simplifies plantâ€”insect food webs. <i>Oecologia</i> , 2021, 195, 539-546.	2.0	9
32	Irreproducibility in searches of scientific literature: A comparative analysis. <i>Ecology and Evolution</i> , 2021, 11, 14658-14668.	1.9	12
33	Conservation biology research priorities for 2050: A Central-Eastern European perspective. <i>Biological Conservation</i> , 2021, 264, 109396.	4.1	8
34	High land-use intensity in grasslands constrains wild bee species richness in Europe. <i>Biological Conservation</i> , 2020, 241, 108255.	4.1	35
35	Arthropod functional traits shaped by landscape-scale field size, local agri-environment schemes and edge effects. <i>Basic and Applied Ecology</i> , 2020, 48, 102-111.	2.7	25
36	The Unmeasured ecological effect of mosquito control. <i>European Journal of Ecology</i> , 2020, 6, 71-76.	0.3	1

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37	Biologia Futura: landscape perspectives on farmland biodiversity conservation. <i>Biologia Futura</i> , 2020, 71, 9-18.	1.4	65
38	Wealth, water and wildlife: Landscape aridity intensifies the urban luxury effect. <i>Global Ecology and Biogeography</i> , 2020, 29, 1595-1605.	5.8	32
39	Configurational crop heterogeneity increases within-field plant diversity. <i>Journal of Applied Ecology</i> , 2020, 57, 654-663.	4.0	47
40	Agri-environment schemes enhance pollinator richness and abundance but bumblebee reproduction depends on field size. <i>Journal of Applied Ecology</i> , 2020, 57, 1818-1828.	4.0	39
41	Landscape configuration, organic management, and within-field position drive functional diversity of spiders and carabids. <i>Journal of Applied Ecology</i> , 2019, 56, 63-72.	4.0	77
42	Increasing crop heterogeneity enhances multitrophic diversity across agricultural regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16442-16447.	7.1	312
43	Transferring biodiversity-ecosystem function research to the management of "real-world" ecosystems. <i>Advances in Ecological Research</i> , 2019, 61, 323-356.	2.7	51
44	Effectiveness of agri-environmental management on pollinators is moderated more by ecological contrast than by landscape structure or land-use intensity. <i>Ecology Letters</i> , 2019, 22, 1493-1500.	6.4	47
45	Vulnerability of Ecosystem Services in Farmland Depends on Landscape Management. , 2019, , 91-96.		5
46	Autonomous sound recording outperforms human observation for sampling birds: a systematic map and user guide. <i>Ecological Applications</i> , 2019, 29, e01954.	3.8	101
47	Carabid functional diversity is enhanced by conventional flowering fields, organic winter cereals and edge habitats. <i>Agriculture, Ecosystems and Environment</i> , 2019, 284, 106579.	5.3	26
48	Connectedness of habitat fragments boosts conservation benefits for butterflies, but only in landscapes with little cropland. <i>Landscape Ecology</i> , 2019, 34, 1045-1056.	4.2	13
49	Insect and plant traits drive local and landscape effects on herbivory in grassland fragments. <i>Ecosphere</i> , 2019, 10, e02717.	2.2	9
50	Land-sharing/sparing connectivity landscapes for ecosystem services and biodiversity conservation. <i>People and Nature</i> , 2019, 1, 262-272.	3.7	152
51	Agricultural intensification at local and landscape scales impairs farmland birds, but not skylarks (<i>Alauda arvensis</i>). <i>Agriculture, Ecosystems and Environment</i> , 2019, 277, 21-24.	5.3	13
52	The interplay of landscape composition and configuration: new pathways to manage functional biodiversity and agroecosystem services across Europe. <i>Ecology Letters</i> , 2019, 22, 1083-1094.	6.4	364
53	Trait-based paradise - about the importance of real functionality. <i>Community Ecology</i> , 2019, 20, 314-316.	0.9	15
54	High critical forest habitat thresholds of native bird communities in Afrotropical agroforestry landscapes. <i>Biological Conservation</i> , 2019, 230, 20-28.	4.1	26

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55	Maize-dominated landscapes reduce bumblebee colony growth through pollen diversity loss. <i>Journal of Applied Ecology</i> , 2019, 56, 294-304.	4.0	38
56	Crop rotation and agri-environment schemes determine bumblebee communities via flower resources. <i>Journal of Applied Ecology</i> , 2018, 55, 1714-1724.	4.0	34
57	Landscape configurational heterogeneity by small-scale agriculture, not crop diversity, maintains pollinators and plant reproduction in western Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172242.	2.6	153
58	Effects of vegetation management intensity on biodiversity and ecosystem services in vineyards: A meta-analysis. <i>Journal of Applied Ecology</i> , 2018, 55, 2484-2495.	4.0	165
59	Non-linearities in bird responses across urbanization gradients: A meta-analysis. <i>Global Change Biology</i> , 2018, 24, 1046-1054.	9.5	90
60	Ecosystem services and disservices provided by small rodents in arable fields: Effects of local and landscape management. <i>Journal of Applied Ecology</i> , 2018, 55, 548-558.	4.0	39
61	Small-scale agricultural landscapes and organic management support wild bee communities of cereal field boundaries. <i>Agriculture, Ecosystems and Environment</i> , 2018, 254, 92-98.	5.3	40
62	Comparing the sampling performance of sound recorders versus point counts in bird surveys: A meta-analysis. <i>Journal of Applied Ecology</i> , 2018, 55, 2575-2586.	4.0	85
63	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7863-E7870.	7.1	401
64	Responses of insect herbivores and herbivory to habitat fragmentation: a hierarchical meta-analysis. <i>Ecology Letters</i> , 2017, 20, 264-272.	6.4	105
65	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. <i>Global Change Biology</i> , 2017, 23, 4946-4957.	9.5	259
66	Landscape-scale interactions of spatial and temporal cropland heterogeneity drive biological control of cereal aphids. <i>Journal of Applied Ecology</i> , 2017, 54, 1804-1813.	4.0	82
67	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0,784314 rgBT /Ov 1.9 186		
68	Grassland management in agricultural vs. forested landscapes drives butterfly and bird diversity. <i>Biological Conservation</i> , 2017, 216, 51-59.	4.1	37
69	The former Iron Curtain still drives biodiversity-profit trade-offs in German agriculture. <i>Nature Ecology and Evolution</i> , 2017, 1, 1279-1284.	7.8	114
70	How Agricultural Intensification Affects Biodiversity and Ecosystem Services. <i>Advances in Ecological Research</i> , 2016, 55, 43-97.	2.7	234
71	When natural habitat fails to enhance biological pest control - Five hypotheses. <i>Biological Conservation</i> , 2016, 204, 449-458.	4.1	388
72	Spillover of arthropods from cropland to protected calcareous grassland - the neighbouring habitat matters. <i>Agriculture, Ecosystems and Environment</i> , 2016, 235, 127-133.	5.3	45

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73	Forest specialist and generalist small mammals in forest edges and hedges. <i>Wildlife Biology</i> , 2016, 22, 86-94.	1.4	25
74	The role of agri-environment schemes in conservation and environmental management. <i>Conservation Biology</i> , 2015, 29, 1006-1016.	4.7	687
75	Biodiversity conservation across taxa and landscapes requires many small as well as single large habitat fragments. <i>Oecologia</i> , 2015, 179, 209-222.	2.0	79
76	Insectivorous and open-cup nester bird species suffer the most from urbanization. <i>Bird Study</i> , 2015, 62, 78-86.	1.0	17
77	Local and landscape management drive trait-mediated biodiversity of nine taxa on small grassland fragments. <i>Diversity and Distributions</i> , 2015, 21, 1204-1217.	4.1	82
78	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. <i>Nature Communications</i> , 2015, 6, 7414.	12.8	656
79	Harnessing the biodiversity value of Central and Eastern European farmland. <i>Diversity and Distributions</i> , 2015, 21, 722-730.	4.1	172
80	Both local and landscape factors determine plant and Orthoptera diversity in the semi-natural grasslands of Transylvania, Romania. <i>Biodiversity and Conservation</i> , 2015, 24, 229-245.	2.6	18
81	The <sc>PREDICTS</sc> database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , 2014, 4, 4701-4735.	1.9	178
82	How do edge effect and tree species diversity change bird diversity and avian nest survival in Germany's largest deciduous forest?. <i>Forest Ecology and Management</i> , 2014, 319, 44-50.	3.2	72
83	Landscape configuration of crops and hedgerows drives local syrphid fly abundance. <i>Journal of Applied Ecology</i> , 2014, 51, 505-513.	4.0	90
84	Functional beetle diversity in managed grasslands: effects of region, landscape context and land use intensity. <i>Landscape Ecology</i> , 2014, 29, 529-540.	4.2	24
85	Environmentally friendly management as an intermediate strategy between organic and conventional agriculture to support biodiversity. <i>Biological Conservation</i> , 2014, 178, 146-154.	4.1	38
86	Density of insect-pollinated grassland plants decreases with increasing surrounding land-use intensity. <i>Ecology Letters</i> , 2014, 17, 1168-1177.	6.4	87
87	Effects of timing and frequency of mowing on the threatened scarce large blue butterfly – A fine-scale experiment. <i>Agriculture, Ecosystems and Environment</i> , 2014, 196, 24-33.	5.3	27
88	Biodiversity conservation in agriculture requires a multi-scale approach. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141358.	2.6	232
89	Management of reedbeds: mosaic reed cutting does not affect prey abundance and nest predation rate of reed passerine birds. <i>Wetlands Ecology and Management</i> , 2014, 22, 227-234.	1.5	14
90	Potential metapopulation structure and the effects of habitat quality on population size of the endangered False Ringlet butterfly. <i>Journal of Insect Conservation</i> , 2013, 17, 537-547.	1.4	22

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91	Effect of crop management and landscape context on insect pest populations and crop damage. <i>Agriculture, Ecosystems and Environment</i> , 2013, 166, 118-125.	5.3	75
92	The impact of hedge-forest connectivity and microhabitat conditions on spider and carabid beetle assemblages in agricultural landscapes. <i>Journal of Insect Conservation</i> , 2013, 17, 1027-1038.	1.4	33
93	Effects of grazing and biogeographic regions on grassland biodiversity in Hungary – analysing assemblages of 1200 species. <i>Agriculture, Ecosystems and Environment</i> , 2013, 166, 28-34.	5.3	63
94	Landscape composition, connectivity and fragment size drive effects of grassland fragmentation on insect communities. <i>Journal of Applied Ecology</i> , 2013, 50, 387-394.	4.0	118
95	Contrasting effects of mass-flowering crops on bee pollination of hedge plants at different spatial and temporal scales. <i>Ecological Applications</i> , 2013, 23, 1938-1946.	3.8	100
96	Organic Farming Favours Insect-Pollinated over Non-Insect Pollinated Forbs in Meadows and Wheat Fields. <i>PLoS ONE</i> , 2013, 8, e54818.	2.5	30
97	Contrasting effect of isolation of hedges from forests on farmland vs. woodland birds. <i>Community Ecology</i> , 2012, 13, 155-161.	0.9	26
98	Landscape-moderated bird nest predation in hedges and forest edges. <i>Acta Oecologica</i> , 2012, 45, 50-56.	1.1	32
99	Landscape moderation of biodiversity patterns and processes – eight hypotheses. <i>Biological Reviews</i> , 2012, 87, 661-685.	10.4	1,443
100	Coating plasticine eggs can eliminate the overestimation of predation on artificial ground nests. <i>Bird Study</i> , 2012, 59, 350-352.	1.0	16
101	Responses of plant, insect and spider biodiversity to local and landscape scale management intensity in cereal crops and grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2012, 146, 130-136.	5.3	138
102	Effects of grazing, vegetation structure and landscape complexity on grassland leafhoppers (Hemiptera: Auchenorrhyncha) and true bugs (Hemiptera: Heteroptera) in Hungary. <i>Insect Conservation and Diversity</i> , 2012, 5, 57-66.	3.0	56
103	Interactive effects of landscape context constrain the effectiveness of local agri-environmental management. <i>Journal of Applied Ecology</i> , 2012, 49, 695-705.	4.0	100
104	Different habitat selection by two sympatric <i>Maculinea</i> butterflies at small spatial scale. <i>Insect Conservation and Diversity</i> , 2012, 5, 118-126.	3.0	18
105	Landscape-moderated biodiversity effects of agri-environmental management: a meta-analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1894-1902.	2.6	460
106	Does habitat heterogeneity increase farmland biodiversity?. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 152-153.	4.0	47
107	Effects of fertilizer application on summer usage of cereal fields by farmland birds in central Hungary. <i>Bird Study</i> , 2011, 58, 330-337.	1.0	2
108	Conservation: Limits of Land Sparring. <i>Science</i> , 2011, 334, 593-593.	12.6	105

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109	Local and landscape effects on bee communities of Hungarian winter cereal fields. <i>Agricultural and Forest Entomology</i> , 2011, 13, 59-66.	1.3	44
110	Spatial heterogeneity and farmland birds: different perspectives in Western and Eastern Europe. <i>Ibis</i> , 2011, 153, 875-876.	1.9	56
111	Interaction of local and landscape features in the conservation of Hungarian arable weed diversity. <i>Applied Vegetation Science</i> , 2011, 14, 40-48.	1.9	32
112	Set-aside management: How do succession, sowing patterns and landscape context affect biodiversity?. <i>Agriculture, Ecosystems and Environment</i> , 2011, 143, 37-44.	5.3	105
113	Mixed effects of landscape structure and farming practice on bird diversity. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 119-125.	5.3	64
114	Set-aside promotes insect and plant diversity in a Central European country. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 296-301.	5.3	42
115	The past and future of farmland birds in Hungary. <i>Bird Study</i> , 2011, 58, 365-377.	1.0	37
116	Effect of conservation management on bees and insect-pollinated grassland plant communities in three European countries. <i>Agriculture, Ecosystems and Environment</i> , 2010, 136, 35-39.	5.3	122
117	Landscape-moderated importance of hedges in conserving farmland bird diversity of organic vs. conventional croplands and grasslands. <i>Biological Conservation</i> , 2010, 143, 2020-2027.	4.1	148
118	Infanticide or Interference: Does the Great Reed Warbler Selectively Destroy Eggs?. <i>Annales Zoologici Fennici</i> , 2010, 47, 272-277.	0.6	18
119	Factors affecting the structure of bee assemblages in extensively and intensively grazed grasslands in Hungary. <i>Community Ecology</i> , 2009, 10, 182-188.	0.9	19
120	Species-specific distribution of two sympatric <i>Maculinea</i> butterflies across different meadow edges. <i>Journal of Insect Conservation</i> , 2009, 13, 223-230.	1.4	21
121	Nest-site selection and breeding ecology of Sky Larks (<i>Alauda arvensis</i>) in Hungarian farmland. <i>Bird Study</i> , 2009, 56, 259-263.	1.0	25
122	On the relationship between farmland biodiversity and land-use intensity in Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 903-909.	2.6	624
123	Interacting Effects of Vegetation Structure and Breeding Patterns on the Survival of Great Reed Warbler <i>Acrocephalus arundinaceus</i> Nests. <i>Ardea</i> , 2009, 97, 109-116.	0.6	12
124	Restricted within-habitat movement and time-constrained egg laying of female <i>Maculinea rebeli</i> butterflies. <i>Oecologia</i> , 2008, 156, 455-464.	2.0	39
125	Are spiders reacting to local or landscape scale effects in Hungarian pastures?. <i>Biological Conservation</i> , 2008, 141, 2062-2070.	4.1	70
126	Dummy birds in artificial nest studies: an experiment with Red-backed Shrike (<i>Lanius collurio</i>). <i>Bird Study</i> , 2008, 55, 329-331.	1.0	13

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127	Management effects on carabid beetles and spiders in Central Hungarian grasslands and cereal fields. <i>Community Ecology</i> , 2008, 9, 247-254.	0.9	21
128	The effects of using different species conservation priority lists on the evaluation of habitat importance within Hungarian grasslands. <i>Bird Conservation International</i> , 2007, 17, 35-43.	1.3	13
129	Responses of grassland specialist and generalist beetles to management and landscape complexity. <i>Diversity and Distributions</i> , 2007, 13, 196-202.	4.1	90
130	Effects of local and landscape scale and cattle grazing intensity on Orthoptera assemblages of the Hungarian Great Plain. <i>Basic and Applied Ecology</i> , 2007, 8, 280-290.	2.7	76
131	Grassland versus non-grassland bird abundance and diversity in managed grasslands: local, landscape and regional scale effects. <i>Biodiversity and Conservation</i> , 2007, 16, 871-881.	2.6	85
132	Microhabitat preferences of <i>Maculinea teleius</i> (Lepidoptera: Lycaenidae) in a mosaic landscape. <i>European Journal of Entomology</i> , 2007, 104, 731-736.	1.2	23
133	Grassland versus non-grassland bird abundance and diversity in managed grasslands: local, landscape and regional scale effects. <i>Topics in Biodiversity and Conservation</i> , 2006, , 45-55.	1.0	4
134	Effects of grazing intensity on bird assemblages and populations of Hungarian grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2005, 108, 251-263.	5.3	90
135	Evidence of an Edge Effect on Avian Nest Success. <i>Conservation Biology</i> , 2004, 18, 389-400.	4.7	230
136	Experiments with artificial nests on predation in reed habitats. <i>Journal Fur Ornithologie</i> , 2004, 145, 59-63.	1.2	37