

Balājs Andrājs Lukācs

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,225
citations

361413

20
h-index

243625

44
g-index

54
all docs

54
docs citations

54
times ranked

4502
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Global variation in the beta diversity of lake macrophytes is driven by environmental heterogeneity rather than latitude. <i>Journal of Biogeography</i> , 2017, 44, 1758-1769.	3.0	127
3	Does isolation influence the relative role of environmental and dispersal-related processes in stream networks? An empirical test of the network position hypothesis using multiple taxa. <i>Freshwater Biology</i> , 2018, 63, 74-85.	2.4	96
4	World distribution, diversity and endemism of aquatic macrophytes. <i>Aquatic Botany</i> , 2019, 158, 103127.	1.6	93
5	Lucerne-dominated fields recover native grass diversity without intensive management actions. <i>Journal of Applied Ecology</i> , 2011, 48, 257-264.	4.0	65
6	Environmental factors driving seed bank diversity in alkali grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2014, 182, 80-87.	5.3	59
7	Plant diversity and conservation value of continental temporary pools. <i>Biological Conservation</i> , 2013, 158, 393-400.	4.1	57
8	Functional groups of phytoplankton shaping diversity of shallow lake ecosystems. <i>Hydrobiologia</i> , 2012, 698, 251-262.	2.0	56
9	Global patterns in the metacommunity structuring of lake macrophytes: regional variations and driving factors. <i>Oecologia</i> , 2018, 188, 1167-1182.	2.0	55
10	Which factors affect phytoplankton biomass in shallow eutrophic lakes?. <i>Hydrobiologia</i> , 2013, 714, 93-104.	2.0	40
11	Distance decay 2.0 – A global synthesis of taxonomic and functional turnover in ecological communities. <i>Global Ecology and Biogeography</i> , 2022, 31, 1399-1421.	5.8	40
12	Experimental evidence of dispersal of invasive cyprinid eggs inside migratory waterfowl. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15397-15399.	7.1	38
13	Global patterns and determinants of lake macrophyte taxonomic, functional and phylogenetic beta diversity. <i>Science of the Total Environment</i> , 2020, 723, 138021.	8.0	38
14	Growth-form and spatiality driving the functional difference of native and alien aquatic plants in Europe. <i>Ecology and Evolution</i> , 2017, 7, 950-963.	1.9	35
15	Alien aquatic vascular plants in Hungary (Pannonian ecoregion): Historical aspects, data set and trends. <i>Plant Biosystems</i> , 2016, 150, 388-395.	1.6	32
16	Macrophyte diversity of lakes in the Pannon Ecoregion (Hungary). <i>Limnologica</i> , 2015, 53, 74-83.	1.5	29
17	Phytoplankton of rhithral rivers: Its origin, diversity and possible use for quality-assessment. <i>Ecological Indicators</i> , 2017, 81, 587-596.	6.3	27
18	Estimating nutrient thresholds for eutrophication management: Novel insights from understudied lake types. <i>Science of the Total Environment</i> , 2022, 827, 154242.	8.0	27

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19	Aquatic macrophytes as bioindicators of water chemistry in nutrient rich backwaters along the Upper-Tisza river (in Hungary). <i>Phytocoenologia</i> , 2009, 39, 287-293.	0.5	26
20	Phenotypic plasticity as a clue for invasion success of the submerged aquatic plant <i>Elodea nuttallii</i> . <i>Plant Biology</i> , 2019, 21, 54-63.	3.8	23
21	Flood induced phenotypic plasticity in amphibious genus <i>Elatine</i> (Elatinaceae). <i>PeerJ</i> , 2015, 3, e1473.	2.0	19
22	Elements of lake macrophyte metacommunity structure: Global variation and community-environment relationships. <i>Limnology and Oceanography</i> , 2020, 65, 2883-2895.	3.1	16
23	The occurrence of <i>Spiraea crenata</i> and other rare steppe plants in Pannonian graveyards. <i>Biologia (Poland)</i> , 2017, 72, 500-509.	1.5	15
24	Trait convergence and trait divergence in lake phytoplankton reflect community assembly rules. <i>Scientific Reports</i> , 2020, 10, 19599.	3.3	15
25	<i>Elatine gussonei</i> (Sommier) Brullo et al. (Elatinaceae) in Sicily. <i>Plant Biosystems</i> , 2014, 148, 27-30.	1.6	13
26	Phytoplankton-based shallow lake types in the Carpathian basin: steps towards a bottom-up typology. <i>Fundamental and Applied Limnology</i> , 2014, 184, 23-34.	0.7	13
27	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
28	Carbon forms, nutrients and water velocity filter hydrophyte and riverbank species differently: A trait-based study. <i>Journal of Vegetation Science</i> , 2019, 30, 471-484.	2.2	10
29	Molecular phylogenetics, seed morphometrics, chromosome number evolution and systematics of European <i>Elatine</i> L. (Elatinaceae) species. <i>PeerJ</i> , 2016, 4, e2800.	2.0	10
30	Functional Traits Drive Dispersal Interactions Between European Waterfowl and Seeds. <i>Frontiers in Plant Science</i> , 2021, 12, 795288.	3.6	10
31	The Ecophysiological Response of Two Invasive Submerged Plants to Light and Nitrogen. <i>Frontiers in Plant Science</i> , 2019, 10, 1747.	3.6	9
32	Changes in sediment seedbank composition of invaded macrophyte communities in a thermal river. <i>Freshwater Biology</i> , 2017, 62, 1024-1035.	2.4	8
33	From European priority species to characteristic apophyte: <i>Epipactis tallosii</i> (Orchidaceae). <i>Willdenowia</i> , 2019, 49, 401.	0.8	8
34	Small scale macrophyte-environment relationship in an oxbow-lake of the Upper-Tisza valley (Hungary). <i>Community Ecology</i> , 2011, 12, 259-263.	0.9	7
35	Biological flora of Central Europe <i>Himantoglossum adriaticum</i> H. Baumann. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019, 40, 125461.	2.7	7
36	The protected flora of long-established cemeteries in Hungary: Using historical maps in biodiversity conservation. <i>Ecology and Evolution</i> , 2020, 10, 7497-7508.	1.9	7

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37	Diatom composition of the rheoplankton in a rhithral river system. <i>Acta Botanica Croatica</i> , 2015, 74, 303-316.	0.7	6
38	New data of plant leaf traits from Central Europe. <i>Data in Brief</i> , 2022, 42, 108286.	1.0	6
39	Factors affecting reproductive success in three entomophilous orchid species in Hungary. <i>Acta Biologica Hungarica</i> , 2015, 66, 231-241.	0.7	4
40	Distribution, morphology and habitats of <i>Elatine triandra</i> (Elatinaceae) in Europe, with particular reference to the central part of the continent. <i>Acta Botanica Gallica</i> , 2015, 162, 325-337.	0.9	4
41	The rare aquatic angiosperm <i>Elatine gussonei</i> (Elatinaceae) is more widely distributed than previously thought. <i>Aquatic Botany</i> , 2017, 141, 47-50.	1.6	4
42	Is <i>Nymphaea lotus</i> var. <i>thermalis</i> a Tertiary relict in Europe?. <i>Aquatic Botany</i> , 2019, 155, 1-4.	1.6	4
43	Taxonomical and chorological notes 10 (98-110). <i>Studia Botanica Hungarica</i> , 2019, 50, 391-407.	0.2	3
44	Dynamics in the effects of the species-area relationship versus local environmental factors in bomb crater ponds. <i>Hydrobiologia</i> , 2018, 823, 27-38.	2.0	2
45	Optimal pooling of data for the reliable estimation of trait probability distributions. <i>Global Ecology and Biogeography</i> , 2021, 30, 1344-1352.	5.8	2
46	The decline and recovery of populations of <i>Potamogeton coloratus</i> in Hungary. <i>Preslia</i> , 2020, 92, 73-86.	2.8	2
47	Pályások a Magyarországi edényes növényfajainak elterjedési atlaszához I.. <i>Kitaibelia</i> , 2021, 21, .	0.1	1
48	Resurrection and typification of <i>Elatine campylosperma</i> (Elatinaceae), a long-forgotten waterwort species. <i>PeerJ</i> , 2018, 6, e4913.	2.0	1
49	Characterizing surrogacy performance in the systematic conservation planning of riverine networks. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 246-259.	2.0	0
50	Növényi jellegek és alkalmazásuk növényfajainak elterjedési kutatásokban I.: Tervezettel, jelleg típusok, módszertan és adatbázisok. <i>Kitaibelia</i> , 2021, 20, 286-299.	0.1	0
51	Adatok a szűnes békaszőlő (<i>Potamogeton coloratus</i>) hazai elterjedéséhez. <i>Kitaibelia</i> , 2021, 22, .	0.1	0
52	Florisztikai adatok a Tiszántali kőzárópsárról. <i>Kitaibelia</i> , 2021, 22, .	0.1	0