Filip Kolar

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6603634/publications.pdf

Version: 2024-02-01

54 papers	1,828 citations	331538 21 h-index	315616 38 g-index
65 all docs	65 docs citations	65 times ranked	1729 citing authors

#	Article	IF	Citations
1	Plant material selection, collection, preservation, and storage for nuclear <scp>DNA</scp> content estimation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 737-748.	1.1	9
2	Afro-alpine flagships revisited II: elucidating the evolutionary relationships and species boundaries in the giant senecios (Dendrosenecio, Asteraceae). Alpine Botany, 2022, 132, 89-105.	1.1	6
3	Center of origin and evolutionary history in the high Andean genus Oritrophium (Astereae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.1	2
4	Genomic Signatures of Sexual Selection on Pollen-Expressed Genes in Arabis alpina. Molecular Biology and Evolution, 2022, 39, .	3.5	12
5	Ploidy and local environment drive intraspecific variation in endoreduplication in Arabidopsis arenosa. American Journal of Botany, 2022, 109, 259-271.	0.8	5
6	Polyploidization as an opportunistic mutation: The role of unreduced gametes formation and genetic drift in polyploid establishment. Journal of Evolutionary Biology, 2022, 35, 1099-1109.	0.8	11
7	Parallel local adaptation to an alpine environment in Arabidopsis arenosa. Journal of Ecology, 2022, 110, 2448-2461.	1.9	6
8	Parallelism in gene expression between foothill and alpine ecotypes in Arabidopsis arenosa. Plant Journal, 2021, 105, 1211-1224.	2.8	14
9	De Novo Mutation and Rapid Protein (Co-)evolution during Meiotic Adaptation in Arabidopsis arenosa. Molecular Biology and Evolution, 2021, 38, 1980-1994.	3.5	18
10	Best practices in plant cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 311-317.	1.1	16
11	Transcriptional activity of transposable elements along an elevational gradient in Arabidopsis arenosa. Mobile DNA, 2021, 12, 7.	1.3	30
12	Novelty and Convergence in Adaptation to Whole Genome Duplication. Molecular Biology and Evolution, 2021, 38, 3910-3924.	3.5	22
13	Disentangling the components of triploid block and its fitness consequences in natural diploidâ€“tetraploid contact zones of ArabidopsisÂarenosa. New Phytologist, 2021, 232, 1449-1462.	3.5	15
14	Tracing evolutionary history and admixture in mixedâ€ploidy systems. Molecular Ecology Resources, 2021, 21, 1413-1415.	2.2	4
15	Genomic basis of parallel adaptation varies with divergence in Arabidopsis and its relatives. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
16	Parallel adaptation in autopolyploid Arabidopsis arenosa is dominated by repeated recruitment of shared alleles. Nature Communications, 2021, 12, 4979.	5.8	22
17	Shortâ€and longâ€term consequences of genome doubling: a metaâ€analysis. American Journal of Botany, 2021, 108, 2315-2322.	0.8	16
18	How to Tackle Phylogenetic Discordance in Recent and Rapidly Radiating Groups? Developing a Workflow Using Loricaria (Asteraceae) as an Example. Frontiers in Plant Science, 2021, 12, 765719.	1.7	12

#	Article	IF	Citations
19	Massive introgression weakens boundaries between a regionally endemic allopolyploid and a widespread congener. Perspectives in Plant Ecology, Evolution and Systematics, 2020, 42, 125502.	1.1	6
20	Niche similarity in diploidâ€autotetraploid contact zones of Arabidopsis arenosa across spatial scales. American Journal of Botany, 2020, 107, 1375-1388.	0.8	11
21	The Evolutionary Genomics of Serpentine Adaptation. Frontiers in Plant Science, 2020, 11, 574616.	1.7	17
22	Parallel Alpine Differentiation in Arabidopsis arenosa. Frontiers in Plant Science, 2020, 11, 561526.	1.7	27
23	Structure is more robust than other clustering methods in simulated mixed-ploidy populations. Heredity, 2019, 123, 429-441.	1.2	98
24	Does geography, evolutionary history or ecology drive ploidy and genome size variation in the Minuartia verna group (Caryophyllaceae) across Europe?. Plant Systematics and Evolution, 2019, 305, 1019-1040.	0.3	5
25	Climatic conditions and human activities shape diploidâ€“tetraploid coexistence at different spatial scales in the common weed Tripleurospermum inodorum (Asteraceae). Journal of Biogeography, 2019, 46, 1355-1366.	1.4	23
26	Role of ploidy in colonization of alpine habitats in natural populations of Arabidopsis arenosa. Annals of Botany, 2019, 124, 255-268.	1.4	42
27	Parallel colonization of subalpine habitats in the central European mountains by Primula elatior. Scientific Reports, 2019, 9, 3294.	1.6	19
28	Pervasive population genomic consequences of genome duplication in Arabidopsis arenosa. Nature Ecology and Evolution, 2019, 3, 457-468.	3.4	102
29	Phylogeography and taxonomic reassessment of Arabidopsis halleri â€“ a montane species from Central Europe. Plant Systematics and Evolution, 2019, 305, 885-898.	0.3	5
30	Ploidyâ€altered phenotype interacts with local environment and may enhance polyploid establishment in Knautia serpentinicola (Caprifoliaceae). New Phytologist, 2019, 221, 1117-1127.	3.5	24
31	Phylogeny and Evolution of the Neotropical Radiation of Lachemilla (Rosaceae): Uncovering a History of Reticulate Evolution and Implications for Infrageneric Classification. Systematic Botany, 2018, 43, 17-34.	0.2	33
32	The â€œPolyploid Hopâ€• Shifting Challenges and Opportunities Over the Evolutionary Lifespan of Genome Duplications. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	136
33	Determination of apomixis by flow cytometry in two species of Lachemilla (Rosaceae) in Ecuador. Neotropical Biodiversity, 2018, 4, 152-163.	0.2	7
34	Introduction to this special issue on the ecology and evolution of the Carpathian flora. Folia Geobotanica, 2018, 53, 241-242.	0.4	0
35	Evolutionary dynamics of mixed-ploidy populations in an annual herb: dispersal, local persistence and recurrent origins of polyploids. Annals of Botany, 2017, 120, 303-315.	1.4	59
36	Mixed-Ploidy Species: Progress and Opportunities in Polyploid Research. Trends in Plant Science, 2017, 22, 1041-1055.	4.3	165

#	Article	IF	Citations
37	Growth form evolution and hybridization in Senecio (Asteraceae) from the high equatorial Andes. Ecology and Evolution, 2017, 7, 6455-6468.	0.8	40
38	Range-wide genetic structure of Arabidopsis halleri (Brassicaceae): glacial persistence in multiple refugia and origin of the Northern Hemisphere disjunction. Botanical Journal of the Linnean Society, 2017, 185, 321-342.	0.8	39
39	Northern glacial refugia and altitudinal niche divergence shape genomeâ€wide differentiation in the emerging plant model Arabidopsis arenosa. Molecular Ecology, 2016, 25, 3929-3949.	2.0	83
40	Niche shifts and range expansions along cordilleras drove diversification in a highâ€elevation endemic plant genus in the tropical Andes. Molecular Ecology, 2016, 25, 4593-4610.	2.0	50
41	Ecological segregation does not drive the intricate parapatric distribution of diploid and tetraploid cytotypes of theArabidopsis arenosagroup (Brassicaceae). Biological Journal of the Linnean Society, 2016, 119, 673-688.	0.7	57
42	Does hybridization with a widespread congener threaten the longâ€term persistence of the Eastern Alpine rare local endemic Knautia carinthiaca?. Ecology and Evolution, 2015, 5, 4263-4276.	0.8	17
43	Root sprouting in Knautia arvensis (Dipsacaceae): effects of polyploidy, soil origin and nutrient availability. Plant Ecology, 2015, 216, 901-911.	0.7	10
44	The origin of unique diversity in deglaciated areas: traces of <scp>P</scp>leistocene processes in northâ€<scp>E</scp>uropean endemics from the Galium pusillum polyploid complex (<scp>R</scp>ubiaceae). Molecular Ecology, 2015, 24, 1311-1334.	2.0	13
45	Taming the wild: resolving the gene pools of non-model Arabidopsislineages. BMC Evolutionary Biology, 2014, 14, 224.	3.2	61
46	Serpentine ecotypic differentiation in a polyploid plant complex: shared tolerance to Mg and Ni stress among di- and tetraploid serpentine populations of Knautia arvensis (Dipsacaceae). Plant and Soil, 2014, 374, 435-447.	1.8	16
47	Nonadaptive processes governing early stages of polyploid evolution: Insights from a primary contact zone of relict serpentine Knautia arvensis (Caprifoliaceae). American Journal of Botany, 2014, 101, 935-945.	0.8	32
48	Continuous Morphological Variation Correlated with Genome Size Indicates Frequent Introgressive Hybridization among Diphasiastrum Species (Lycopodiaceae) in Central Europe. PLoS ONE, 2014, 9, e99552.	1.1	33
49	Diversity and endemism in deglaciated areas: ploidy, relative genome size and niche differentiation in the Galium pusillum complex (Rubiaceae) in Northern and Central Europe. Annals of Botany, 2013, 111, 1095-1108.	1.4	30
50	Bringing Together Evolution on Serpentine and Polyploidy: Spatiotemporal History of the Diploid-Tetraploid Complex of Knautia arvensis (Dipsacaceae). PLoS ONE, 2012, 7, e39988.	1.1	52
51	A case study of intragenomic ITS variation in bryophytes: Assessment of gene flow and role of polyploidy in the origin of European taxa of the Tortula muralis (Musci: Pottiaceae) complex. Taxon, 2012, 61, 709-720.	0.4	43
52	Glycerol-treated nuclear suspensionsâ€”an efficient preservation method for flow cytometric analysis of plant samples. Chromosome Research, 2012, 20, 303-315.	1.0	21
53	Towards resolving the Knautia arvensis agg. (Dipsacaceae) puzzle: primary and secondary contact zones and ploidy segregation at landscape and microgeographic scales. Annals of Botany, 2009, 103, 963-974.	1.4	125
54	Different low-competition island habitats in Central Europe harbour similar levels of genetic diversity in relict populations of Galium pusillum agg. (Rubiaceae). Biological Journal of the Linnean Society, 0, , .	0.7	2