

Ovidiu Paun

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,977
citations

126708

33
h-index

128067

60
g-index

82
all docs

82
docs citations

82
times ranked

4245
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological plant epigenetics: Evidence from model and non-model species, and the way forward. <i>Ecology Letters</i> , 2017, 20, 1576-1590.	3.0	279
2	Out of the Alps: colonization of Northern Europe by East Alpine populations of the Glacier Buttercup <i>Ranunculus glacialis</i> L. (<i>Ranunculaceae</i>). <i>Molecular Ecology</i> , 2003, 12, 3373-3381.	2.0	192
3	Stable Epigenetic Effects Impact Adaptation in Allopolyploid Orchids (<i>Dactylorhiza</i> : <i>Orchidaceae</i>). <i>Molecular Biology and Evolution</i> , 2010, 27, 2465-2473.	3.5	185
4	Genetic consequences of Pleistocene range shifts: contrast between the Arctic, the Alps and the East African mountains. <i>Molecular Ecology</i> , 2007, 16, 2542-2559.	2.0	183
5	History or ecology? Substrate type as a major driver of patial genetic structure in Alpine plants. <i>Ecology Letters</i> , 2009, 12, 632-640.	3.0	167
6	Hybrid speciation in angiosperms: parental divergence drives ploidy. <i>New Phytologist</i> , 2009, 182, 507-518.	3.5	155
7	The role of hybridization, polyploidization and glaciation in the origin and evolution of the apomictic <i>Ranunculus cassubicus</i> complex. <i>New Phytologist</i> , 2006, 171, 223-236.	3.5	135
8	Genetic diversity in widespread species is not congruent with species richness in alpine plant communities. <i>Ecology Letters</i> , 2012, 15, 1439-1448.	3.0	135
9	Phylogenetic relationships and evolutionary traits in <i>Ranunculus</i> s.l. (<i>Ranunculaceae</i>) inferred from ITS sequence analysis. <i>Molecular Phylogenetics and Evolution</i> , 2005, 36, 305-327.	1.2	126
10	Phylogenetic relationships within <i>Orchidaceae</i> based on a low-copy nuclear coding gene, <i>Xdh</i> : Congruence with organellar and nuclear ribosomal DNA results. <i>Molecular Phylogenetics and Evolution</i> , 2010, 56, 784-795.	1.2	119
11	Emergence of apospory and bypass of meiosis via apomixis after sexual hybridisation and polyploidisation. <i>New Phytologist</i> , 2014, 204, 1000-1012.	3.5	99
12	Historical divergence vs. contemporary gene flow: evolutionary history of the calcicole <i>Ranunculus alpestris</i> group (<i>Ranunculaceae</i>) in the European Alps and the Carpathians. <i>Molecular Ecology</i> , 2008, 17, 4263-4275.	2.0	98
13	Processes Driving the Adaptive Radiation of a Tropical Tree (<i>Diospyros</i> , <i>Ebenaceae</i>) in New Caledonia, a Biodiversity Hotspot. <i>Systematic Biology</i> , 2016, 65, 212-227.	2.7	98
14	Patterns, sources and ecological implications of clonal diversity in apomictic <i>Ranunculus carpaticola</i> (<i>Ranunculus auricomus</i> complex, <i>Ranunculaceae</i>). <i>Molecular Ecology</i> , 2006, 15, 897-910.	2.0	97
15	BsRADseq: screening DNA methylation in natural populations of non-model species. <i>Molecular Ecology</i> , 2016, 25, 1697-1713.	2.0	96
16	Phylogenetic relationships and biogeography of <i>Ranunculus</i> and allied genera (<i>Ranunculaceae</i>) in the Mediterranean region and in the European Alpine System. <i>Taxon</i> , 2005, 54, 911-932.	0.4	92
17	Phylogenomic Relationships of Diploids and the Origins of Allotetraploids in <i>Dactylorhiza</i> (<i>Orchidaceae</i>). <i>Systematic Biology</i> , 2020, 69, 91-109.	2.7	89
18	Amplified Fragment Length Polymorphism: An Invaluable Fingerprinting Technique for Genomic, Transcriptomic, and Epigenetic Studies. <i>Methods in Molecular Biology</i> , 2012, 862, 75-87.	0.4	73

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19	A new individual-based spatial approach for identifying genetic discontinuities in natural populations. <i>Molecular Ecology</i> , 2007, 16, 2031-2043.	2.0	72
20	Reticulate evolution and taxonomic concepts in the <i>Ranunculus auricomus</i> complex (Ranunculaceae): insights from analysis of morphological, karyological and molecular data. <i>Taxon</i> , 2009, 58, 1194-1216.	0.4	67
21	Genetic diversity and population structure in natural populations of Moroccan Atlas cedar (<i>Cedrus atlantica</i> ; Pinaceae) determined with cpSSR markers. <i>American Journal of Botany</i> , 2006, 93, 1274-1280.	0.8	64
22	Effects of species traits on the genetic diversity of high mountain plants: a multi-species study across the Alps and the Carpathians. <i>Global Ecology and Biogeography</i> , 2009, 18, 78-87.	2.7	62
23	Altered gene expression and ecological divergence in sibling allopolyploids of <i>Dactylorhiza</i> (Orchidaceae). <i>BMC Evolutionary Biology</i> , 2011, 11, 113.	3.2	61
24	Opportunities and limitations of reduced representation bisulfite sequencing in plant ecological epigenomics. <i>New Phytologist</i> , 2019, 221, 738-742.	3.5	59
25	Genomic analyses suggest parallel ecological divergence in <i>Heliosperma pusillum</i> (Caryophyllaceae). <i>New Phytologist</i> , 2017, 216, 267-278.	3.5	58
26	Genetic diversity at chloroplast microsatellites (cpSSRs) and geographic structure in endangered West Mediterranean firs (<i>Abies</i> spp., Pinaceae). <i>Taxon</i> , 2007, 56, 409-416.	0.4	57
27	Environmental Heterogeneity and Phenotypic Divergence: Can Heritable Epigenetic Variation Aid Speciation?. <i>Genetics Research International</i> , 2012, 2012, 1-9.	2.0	56
28	Genetic and epigenetic alterations after hybridization and genome doubling. <i>Taxon</i> , 2007, 56, 649-656.	0.4	52
29	Reticulate evolution and taxonomic concepts in the <i>Ranunculus auricomus</i> complex (Ranunculaceae): insights from analysis of morphological, karyological and molecular data. <i>Taxon</i> , 2009, 58, 1194-1215.	0.4	52
30	Integrating restriction site-associated DNA sequencing (RAD-seq) with morphological cladistic analysis clarifies evolutionary relationships among major species groups of bee orchids. <i>Annals of Botany</i> , 2018, 121, 85-105.	1.4	48
31	Uncovering the contribution of epigenetics to plant phenotypic variation in Mediterranean ecosystems. <i>Plant Biology</i> , 2018, 20, 38-49.	1.8	40
32	ITS Polymorphisms Shed Light on Hybrid Evolution in Apomictic Plants: A Case Study on the <i>Ranunculus auricomus</i> Complex. <i>PLoS ONE</i> , 2014, 9, e103003.	1.1	38
33	A nuclear Xdh phylogenetic analysis of yams (Dioscorea: Dioscoreaceae) congruent with plastid trees reveals a new Neotropical lineage. <i>Botanical Journal of the Linnean Society</i> , 2018, 187, 232-246.	0.8	38
34	Genetic, cytological and morphological differentiation within the Balkan-Carpathian <i>Sesleria rigida</i> sensu Fl. Eur. (Poaceae): A taxonomically intricate tetraploid-octoploid complex. <i>Taxon</i> , 2013, 62, 458-472.	0.4	36
35	Novel computed tomography-based tools reliably quantify plant reproductive investment. <i>Journal of Experimental Botany</i> , 2018, 69, 525-535.	2.4	36
36	Molecular phylogenomics of the tribe Shoreae (Dipterocarpaceae) using whole plastid genomes. <i>Annals of Botany</i> , 2019, 123, 857-865.	1.4	35

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37	Sequencing of whole plastid genomes and nuclear ribosomal DNA of <i>Diospyros</i> species (Ebenaceae) endemic to New Caledonia: many species, little divergence. <i>Annals of Botany</i> , 2016, 117, 1175-1185.	1.4	34
38	Long-term isolation of European steppe outposts boosts the biome's conservation value. <i>Nature Communications</i> , 2020, 11, 1968.	5.8	34
39	Genetic and epigenetic alterations after hybridization and genome doubling. <i>Taxon</i> , 2007, 56, 649-56.	0.4	31
40	RADseq provides evidence for parallel ecotypic divergence in the autotetraploid <i>Cochlearia officinalis</i> in Northern Norway. <i>Scientific Reports</i> , 2017, 7, 5573.	1.6	30
41	Genetic differentiation and admixture between sibling allopolyploids in the <i>Dactylorhiza majalis</i> complex. <i>Heredity</i> , 2016, 116, 351-361.	1.2	29
42	Phylogenomics resolves evolutionary relationships and provides insights into floral evolution in the tribe Shoreaeae (Dipterocarpaceae). <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 1-13.	1.2	29
43	Integrating phylogenomics, phylogenetics, morphometrics, relative genome size and ecological niche modelling disentangles the diversification of Eurasian <i>Euphorbia seguieriana</i> s. l. (Euphorbiaceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 238-252.	1.2	29
44	Evolution of Hypervariable Microsatellites in Apomictic Polyploid Lineages of <i>Ranunculus carpaticola</i> : Directional Bias at Dinucleotide Loci. <i>Genetics</i> , 2006, 174, 387-398.	1.2	27
45	Multiple auto- and allopolyploidisations marked the Pleistocene history of the widespread Eurasian steppe plant <i>Astragalus onobrychis</i> (Fabaceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 139, 106572.	1.2	27
46	Pleistocene distribution range shifts were accompanied by breeding system divergence within <i>Hornungia alpina</i> (Brassicaceae) in the Alps. <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 571-582.	1.2	26
47	Adaptive sequence evolution is driven by biotic stress in a pair of orchid species (<i>Dactylorhiza</i>) with distinct ecological optima. <i>Molecular Ecology</i> , 2017, 26, 3649-3662.	2.0	25
48	Iterative allogamy "autogamy transitions drive actual and incipient speciation during the ongoing evolutionary radiation within the orchid genus <i>Epipactis</i> (Orchidaceae). <i>Annals of Botany</i> , 2019, 124, 481-497.	1.4	24
49	Restriction-site associated DNA sequencing supports a sister group relationship of <i>Nigritella</i> and <i>Gymnadenia</i> (Orchidaceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 21-28.	1.2	24
50	Early diversification and permeable species boundaries in the Mediterranean firs. <i>Annals of Botany</i> , 2020, 125, 495-507.	1.4	24
51	Taxon-specific or universal? Using target capture to study the evolutionary history of rapid radiations. <i>Molecular Ecology Resources</i> , 2022, 22, 927-945.	2.2	24
52	Current research frontiers in plant epigenetics: an introduction to a Virtual Issue. <i>New Phytologist</i> , 2020, 226, 285-288.	3.5	21
53	Hybridization and speciation in angiosperms: a role for pollinator shifts?. <i>BMC Biology</i> , 2010, 8, 45.	1.7	20
54	Analyses of amplified fragment length polymorphisms (AFLP) indicate rapid radiation of <i>Diospyros</i> species (Ebenaceae) endemic to New Caledonia. <i>BMC Evolutionary Biology</i> , 2013, 13, 269.	3.2	18

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55	SPECIES DELIMITATION IN <i>NICOTIANA</i> SECT. <i>SUAVEOLENTES</i> (SOLANACEAE): RECIPROCAL ILLUMINATION LEADS TO RECOGNITION OF MANY NEW SPECIES. Curtis's Botanical Magazine, 2021, 38, 266-286.	0.1	17
56	Down, then up: non-parallel genome size changes and a descending chromosome series in a recent radiation of the Australian allotetraploid plant species, <i>Nicotiana</i> section <i>Suaveolentes</i> (Solanaceae). Annals of Botany, 2023, 131, 123-142.	1.4	16
57	Systematics and evolution of the Old World Ebenaceae, a review with emphasis on the large genus <i>Diospyros</i> and its radiation in New Caledonia. Botanical Journal of the Linnean Society, 2019, 189, 99-114.	0.8	14
58	Polygenic routes lead to parallel altitudinal adaptation in <i>Heliosperma pusillum</i> (Caryophyllaceae). Molecular Ecology, 2023, 32, 1832-1847.	2.0	13
59	Congruent evolutionary responses of European steppe biota to late Quaternary climate change. Nature Communications, 2022, 13, 1921.	5.8	11
60	Population structure in Neotropical plants: Integrating pollination biology, topography and climatic niches. Molecular Ecology, 2022, 31, 2264-2280.	2.0	10
61	Genomic insights into recent species divergence in <i>Nicotiana benthamiana</i> and natural variation in <i>Rdr1</i> gene controlling viral susceptibility. Plant Journal, 2022, 111, 7-18.	2.8	9
62	Parental divergence and hybrid speciation in angiosperms revisited. Taxon, 2011, 60, 1241-1244.	0.4	8
63	Spatial and Ecological Drivers of Genetic Structure in Greek Populations of <i>Alkanna tinctoria</i> (Boraginaceae), a Polyploid Medicinal Herb. Frontiers in Plant Science, 2021, 12, 706574.	1.7	7
64	Orchid colonization: multiple parallel dispersal events and mosaic genetic structure in <i>Dactylorhiza majalis</i> ssp. <i>lapponica</i> on the Baltic island of Gotland. Annals of Botany, 2018, 122, 1019-1032.	1.4	6
65	Parental divergence and hybrid speciation in angiosperms revisited. Taxon, 2011, 60, 1241-1244.	0.4	6
66	The polymorphic early marsh orchids, <i>Dactylorhiza incarnata</i> s.l. (Orchidaceae), at Lough Gealain, Ireland. New Journal of Botany, 2011, 1, 16-23.	0.2	5
67	Hybridization and speciation in angiosperms: a role for pollinator shifts?. Journal of Biology, 2010, 9, 21.	2.7	2
68	The Evolutionary History of New Zealand <i>Deschampsia</i> Is Marked by Long-Distance Dispersal, Endemism, and Hybridization. Biology, 2021, 10, 1001.	1.3	1
69	Dispersal in plants. A population perspective by R. Cousens, C. Dytham & R. Law. Oxford: Oxford University Press, 2008. 221 pp. Hardback: ISBN 978-0-19-929911-9. £75. Paperback: ISBN 978-0-19-929912-6. £39.95.. Botanical Journal of the Linnean Society, 2012, 170, 132-133.	0.8	0
70	Corrigendum to "Genetic, cytological and morphological differentiation within the Balkan-Carpathian <i>Sesleria rigida</i> sensu Fl. Eur. (Poaceae), a taxonomically intricate tetraploid-octoploid complex". Taxon, 2013, 62, 1364-1364.	0.4	0
71	Epigenetic information "Unexplored source of natural variation. Lankesteriana, 2015, 11, .	0.2	0