Ovidiu Paun

List of Publications by Year in descending order

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	Down, then up: non-parallel genome size changes and a descending chromosome series in a recent radiation of the Australian allotetraploid plant species, Nicotiana section Suaveolentes (Solanaceae). Annals of Botany, 2023, 131, 123-142.	1.4	16
2	Polygenic routes lead to parallel altitudinal adaptation in Heliosperma pusillum (Caryophyllaceae). Molecular Ecology, 2023, 32, 1832-1847.	2.0	13
3	Taxonâ€specific or universal? Using target capture to study the evolutionary history of rapid radiations. Molecular Ecology Resources, 2022, 22, 927-945.	2.2	24
4	Population structure in Neotropical plants: Integrating pollination biology, topography and climatic niches. Molecular Ecology, 2022, 31, 2264-2280.	2.0	10
5	Congruent evolutionary responses of European steppe biota to late Quaternary climate change. Nature Communications, 2022, 13, 1921.	5.8	11
6	Genomic insights into recent species divergence in Nicotiana benthamiana and natural variation in Rdr1 gene controlling viral susceptibility. Plant Journal, 2022, 111, 7-18.	2.8	9
7	Spatial and Ecological Drivers of Genetic Structure in Greek Populations of Alkanna tinctoria (Boraginaceae), a Polyploid Medicinal Herb. Frontiers in Plant Science, 2021, 12, 706574.	1.7	7
8	SPECIES DELIMITATION IN <scp>NICOTIANA</scp> SECT. <scp>SUAVEOLENTES</scp> (SOLANACEAE): RECIPROCAL ILLUMINATION LEADS TO RECOGNITION OF MANY NEW SPECIES. Curtis's Botanical Magazine, 2021, 38, 266-286.	0.1	17
9	The Evolutionary History of New Zealand Deschampsia Is Marked by Long-Distance Dispersal, Endemism, and Hybridization. Biology, 2021, 10, 1001.	1.3	1
10	Phylogenomic Relationships of Diploids and the Origins of Allotetraploids in Dactylorhiza (Orchidaceae). Systematic Biology, 2020, 69, 91-109.	2.7	89
11	Early diversification and permeable species boundaries in the Mediterranean firs. Annals of Botany, 2020, 125, 495-507.	1.4	24
12	Long-term isolation of European steppe outposts boosts the biomeâ€™s conservation value. Nature Communications, 2020, 11, 1968.	5.8	34
13	Current research frontiers in plant epigenetics: an introduction to a Virtual Issue. New Phytologist, 2020, 226, 285-288.	3.5	21
14	Opportunities and limitations of reduced representation bisulfite sequencing in plant ecological epigenomics. New Phytologist, 2019, 221, 738-742.	3.5	59
15	Multiple auto- and allopolyploidisations marked the Pleistocene history of the widespread Eurasian steppe plant Astragalus onobrychis (Fabaceae). Molecular Phylogenetics and Evolution, 2019, 139, 106572.	1.2	27
16	Iterative allogamyâ€“autogamy transitions drive actual and incipient speciation during the ongoing evolutionary radiation within the orchid genus Epipactis (Orchidaceae). Annals of Botany, 2019, 124, 481-497.	1.4	24
17	Systematics and evolution of the Old World Ebenaceae, a review with emphasis on the large genusDiospyrosand its radiation in New Caledonia. Botanical Journal of the Linnean Society, 2019, 189, 99-114.	0.8	14
18	Restriction-site associated DNA sequencing supports a sister group relationship of Nigritella and Gymnadenia (Orchidaceae). Molecular Phylogenetics and Evolution, 2019, 136, 21-28.	1.2	24

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19	Molecular phylogenomics of the tribe Shoreeae (Dipterocarpaceae) using whole plastid genomes. Annals of Botany, 2019, 123, 857-865.	1.4	35
20	Integrating phylogenomics, phylogenetics, morphometrics, relative genome size and ecological niche modelling disentangles the diversification of Eurasian Euphorbia seguieriana s. l. (Euphorbiaceae). Molecular Phylogenetics and Evolution, 2019, 134, 238-252.	1.2	29
21	Novel computed tomography-based tools reliably quantify plant reproductive investment. Journal of Experimental Botany, 2018, 69, 525-535.	2.4	36
22	Integrating restriction site-associated DNA sequencing (RAD-seq) with morphological cladistic analysis clarifies evolutionary relationships among major species groups of bee orchids. Annals of Botany, 2018, 121, 85-105.	1.4	48
23	Uncovering the contribution of epigenetics to plant phenotypic variation in Mediterranean ecosystems. Plant Biology, 2018, 20, 38-49.	1.8	40
24	Phylogenomics resolves evolutionary relationships and provides insights into floral evolution in the tribe Shoreeae (Dipterocarpaceae). Molecular Phylogenetics and Evolution, 2018, 127, 1-13.	1.2	29
25	Orchid colonization: multiple parallel dispersal events and mosaic genetic structure in Dactylorhiza majalis ssp. lapponica on the Baltic island of Gotland. Annals of Botany, 2018, 122, 1019-1032.	1.4	6
26	A nuclear Xdh phylogenetic analysis of yams (Dioscorea: Dioscoreaceae) congruent with plastid trees reveals a new Neotropical lineage. Botanical Journal of the Linnean Society, 2018, 187, 232-246.	0.8	38
27	Adaptive sequence evolution is driven by biotic stress in a pair of orchid species (Dactylorhiza) with distinct ecological optima. Molecular Ecology, 2017, 26, 3649-3662.	2.0	25
28	Ecological plant epigenetics: Evidence from model and nonâ€model species, and the way forward. Ecology Letters, 2017, 20, 1576-1590.	3.0	279
29	RADseq provides evidence for parallel ecotypic divergence in the autotetraploid Cochlearia officinalis in Northern Norway. Scientific Reports, 2017, 7, 5573.	1.6	30
30	Genomic analyses suggest parallel ecological divergence in Heliosperma pusillum (Caryophyllaceae). New Phytologist, 2017, 216, 267-278.	3.5	58
31	Bs<scp>RAD</scp>seq: screening <scp>DNA</scp> methylation in natural populations of nonâ€model species. Molecular Ecology, 2016, 25, 1697-1713.	2.0	96
32	Sequencing of whole plastid genomes and nuclear ribosomal DNA ofDiospyrosspecies (Ebenaceae) endemic to New Caledonia: many species, little divergence. Annals of Botany, 2016, 117, 1175-1185.	1.4	34
33	Genetic differentiation and admixture between sibling allopolyploids in the Dactylorhiza majalis complex. Heredity, 2016, 116, 351-361.	1.2	29
34	Processes Driving the Adaptive Radiation of a Tropical Tree (Diospyros, Ebenaceae) in New Caledonia, a Biodiversity Hotspot. Systematic Biology, 2016, 65, 212-227.	2.7	98
35	Epigenetic information â€“ Unexplored source of natural variation. Lankesteriana, 2015, 11, .	0.2	0
36	ITS Polymorphisms Shed Light on Hybrid Evolution in Apomictic Plants: A Case Study on the Ranunculus auricomus Complex. PLoS ONE, 2014, 9, e103003.	1.1	38

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37	Emergence of apospory and bypass of meiosis via apomixis after sexual hybridisation and polyploidisation. New Phytologist, 2014, 204, 1000-1012.	3.5	99
38	Analyses of amplified fragment length polymorphisms (AFLP) indicate rapid radiation of Diospyros species (Ebenaceae) endemic to New Caledonia. BMC Evolutionary Biology, 2013, 13, 269.	3.2	18
39	Corrigendum to â€œGenetic, cytological and morphological differentiation within the Balkan-Carpathian Sesleria rigida sensu Fl. Eur. (Poaceae), a taxonomically intricate tetraploid-octoploid complexâ€. Taxon, 2013, 62, 1364-1364.	0.4	0
40	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, 458-472.	0.4	36
41	Environmental Heterogeneity and Phenotypic Divergence: Can Heritable Epigenetic Variation Aid Speciation?. Genetics Research International, 2012, 2012, 1-9.	2.0	56
42	Genetic diversity in widespread species is not congruent with species richness in alpine plant communities. Ecology Letters, 2012, 15, 1439-1448.	3.0	135
43	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. Â£75. Paperback: ISBN 978-0-19-929912-6. Â£39.95.. Botanical Journal of the Linnean Society, 2012, 170, 132-133.	0.8	0
44	Amplified Fragment Length Polymorphism: An Invaluable Fingerprinting Technique for Genomic, Transcriptomic, and Epigenetic Studies. Methods in Molecular Biology, 2012, 862, 75-87.	0.4	73
45	Parental divergence and hybrid speciation in angiosperms revisited. Taxon, 2011, 60, 1241-1244.	0.4	8
46	The polymorphic early marsh orchids,Dactylorhiza incarnatas.l. (Orchidaceae), at Lough Gealain, Ireland. New Journal of Botany, 2011, 1, 16-23.	0.2	5
47	Altered gene expression and ecological divergence in sibling allopolyploids of Dactylorhiza (Orchidaceae). BMC Evolutionary Biology, 2011, 11, 113.	3.2	61
48	Parental divergence and hybrid speciation in angiosperms revisited. Taxon, 2011, 60, 1241-1244.	0.4	6
49	Hybridization and speciation in angiosperms: arole for pollinator shifts?. Journal of Biology, 2010, 9, 21.	2.7	2
50	Pleistocene distribution range shifts were accompanied by breeding system divergence within Hornungia alpina (Brassicaceae) in the Alps. Molecular Phylogenetics and Evolution, 2010, 54, 571-582.	1.2	26
51	Hybridization and speciation in angiosperms: a role for pollinator shifts?. BMC Biology, 2010, 8, 45.	1.7	20
52	Phylogenetic relationships within Orchidaceae based on a low-copy nuclear coding gene, Xdh: Congruence with organellar and nuclear ribosomal DNA results. Molecular Phylogenetics and Evolution, 2010, 56, 784-795.	1.2	119
53	Stable Epigenetic Effects Impact Adaptation in Allopolyploid Orchids (Dactylorhiza: Orchidaceae). Molecular Biology and Evolution, 2010, 27, 2465-2473.	3.5	185
54	Reticulate evolution and taxonomic concepts in the Ranunculus auricomus complex (Ranunculaceae): insights from analysis of morphological, karyological and molecular data. Taxon, 2009, 58, 1194-1216.	0.4	67

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55	History or ecology? Substrate type as a major driver of patial genetic structure in Alpine plants. Ecology Letters, 2009, 12, 632-640.	3.0	167
56	Effects of species traits on the genetic diversity of highâ€mountain plants: a multiâ€species study across the Alps and the Carpathians. Global Ecology and Biogeography, 2009, 18, 78-87.	2.7	62
57	Hybrid speciation in angiosperms: parental divergence drives ploidy. New Phytologist, 2009, 182, 507-518.	3.5	155
58	Reticulate evolution and taxonomic concepts in the Ranunculus auricomus complex (Ranunculaceae): insights from analysis of morphological, karyological and molecular data. Taxon, 2009, 58, 1194-1215.	0.4	52
59	Historical divergence vs. contemporary gene flow: evolutionary history of the calcicole Ranunculus alpestris group (Ranunculaceae) in the European Alps and the Carpathians. Molecular Ecology, 2008, 17, 4263-4275.	2.0	98
60	Genetic and epigenetic alterations after hybridization and genome doubling. Taxon, 2007, 56, 649-656.	0.4	52
61	Genetic diversity at chloroplast microsatellites (cpSSRs) and geographic structure in endangered West Mediterranean firs (Abies spp., Pinaceae). Taxon, 2007, 56, 409-416.	0.4	57
62	A new individual-based spatial approach for identifying genetic discontinuities in natural populations. Molecular Ecology, 2007, 16, 2031-2043.	2.0	72
63	Genetic consequences of Pleistocene range shifts: contrast between the Arctic, the Alps and the East African mountains. Molecular Ecology, 2007, 16, 2542-2559.	2.0	183
64	Genetic and epigenetic alterations after hybridization and genome doubling. Taxon, 2007, 56, 649-56.	0.4	31
65	Evolution of Hypervariable Microsatellites in Apomictic Polyploid Lineages of Ranunculus carpaticola: Directional Bias at Dinucleotide Loci. Genetics, 2006, 174, 387-398.	1.2	27
66	Genetic diversity and population structure in natural populations of Moroccan Atlas cedar (Cedrus atlantica; Pinaceae) determined with cpSSR markers. American Journal of Botany, 2006, 93, 1274-1280.	0.8	64
67	The role of hybridization, polyploidization and glaciation in the origin and evolution of the apomictic Ranunculus cassubicus complex. New Phytologist, 2006, 171, 223-236.	3.5	135
68	Patterns, sources and ecological implications of clonal diversity in apomictic Ranunculus carpaticola (Ranunculus auricomus complex, Ranunculaceae). Molecular Ecology, 2006, 15, 897-910.	2.0	97
69	Phylogenetic relationships and evolutionary traits in Ranunculus s.l. (Ranunculaceae) inferred from ITS sequence analysis. Molecular Phylogenetics and Evolution, 2005, 36, 305-327.	1.2	126
70	Phylogenetic relationships and biogeography of Ranunculus and allied genera (Ranunculaceae) in the Mediterranean region and in the European Alpine System. Taxon, 2005, 54, 911-932.	0.4	92
71	Out of the Alps: colonization of Northern Europe by East Alpine populations of the Glacier Buttercup Ranunculus glacialis L. (Ranunculaceae). Molecular Ecology, 2003, 12, 3373-3381.	2.0	192