

# Oscar Alejandro PÃ©rez-Escobar

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

2,258  
citations

257101

24  
h-index

264894

42  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2882  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Andes through time: evolution and distribution of Andean floras. <i>Trends in Plant Science</i> , 2022, 27, 364-378.	4.3	67
2	Understanding climate change impacts on biome and plant distributions in the Andes: Challenges and opportunities. <i>Journal of Biogeography</i> , 2022, 49, 1420-1442.	1.4	27
3	Whole plastomes are not enough: phylogenomic and morphometric exploration at multiple demographic levels of the bee orchid clade <i>Ophrys</i> sect. <i>Sphegodes</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 654-681.	2.4	15
4	Plastid phylogenomics resolves ambiguous relationships within the orchid family and provides a solid timeframe for biogeography and macroevolution. <i>Scientific Reports</i> , 2021, 11, 6858.	1.6	30
5	A chromosome-level genome of a Kordofan melon illuminates the origin of domesticated watermelons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	37
6	Botanical Monography in the Anthropocene. <i>Trends in Plant Science</i> , 2021, 26, 433-441.	4.3	23
7	Molecular Clocks and Archeogenomics of a Late Period Egyptian Date Palm Leaf Reveal Introgression from Wild Relatives and Add Timestamps on the Domestication. <i>Molecular Biology and Evolution</i> , 2021, 38, 4475-4492.	3.5	14
8	A nuclear phylogenomic study of the angiosperm order Myrtales, exploring the potential and limitations of the universal Angiosperms353 probe set. <i>American Journal of Botany</i> , 2021, 108, 1087-1111.	0.8	53
9	Hundreds of nuclear and plastid loci yield novel insights into orchid relationships. <i>American Journal of Botany</i> , 2021, 108, 1166-1180.	0.8	35
10	Plastome Evolution in the Hyperdiverse Genus <i>Euphorbia</i> (Euphorbiaceae) Using Phylogenomic and Comparative Analyses: Large-Scale Expansion and Contraction of the Inverted Repeat Region. <i>Frontiers in Plant Science</i> , 2021, 12, 712064.	1.7	16
11	Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. <i>Nature Communications</i> , 2021, 12, 354.	5.8	43
12	Genome-wide transcriptome signatures of ant-farmed <i>Squamellaria</i> epiphytes reveal key functions in a unique symbiosis. <i>Ecology and Evolution</i> , 2021, 11, 15882-15895.	0.8	3
13	The climatic challenge: Which plants will people use in the next century?. <i>Environmental and Experimental Botany</i> , 2020, 170, 103872.	2.0	45
14	Transitions between the Terrestrial and Epiphytic Habit Drove the Evolution of Seed-Aerodynamic Traits in Orchids. <i>American Naturalist</i> , 2020, 195, 275-283.	1.0	11
15	Resolving relationships in an exceedingly young Neotropical orchid lineage using Genotyping-by-sequencing data. <i>Molecular Phylogenetics and Evolution</i> , 2020, 144, 106672.	1.2	23
16	Unlocking plant resources to support food security and promote sustainable agriculture. <i>Plants People Planet</i> , 2020, 2, 421-445.	1.6	130
17	Plant Power: Opportunities and challenges for meeting sustainable energy needs from the plant and fungal kingdoms. <i>Plants People Planet</i> , 2020, 2, 446-462.	1.6	11
18	Untapped resources for medical research. <i>Science</i> , 2020, 369, 781-782.	6.0	9

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19	Introgression across evolutionary scales suggests reticulation contributes to Amazonian tree diversity. <i>Molecular Ecology</i> , 2020, 29, 4170-4185.	2.0	23
20	An ancient tropical origin, dispersals via land bridges and Miocene diversification explain the subcosmopolitan disjunctions of the liverwort genus <i>Lejeunea</i> . <i>Scientific Reports</i> , 2020, 10, 14123.	1.6	12
21	Repetitive DNA Restructuring Across Multiple <i>Nicotiana</i> Allopolyploidisation Events Shows a Lack of Strong Cytoplasmic Bias in Influencing Repeat Turnover. <i>Genes</i> , 2020, 11, 216.	1.0	6
22	Tradeoffs in the evolution of plant farming by ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2535-2543.	3.3	8
23	Random Tanglegram Partitions (Random TaPas): An Alexandrian Approach to the Cophylogenetic Gordian Knot. <i>Systematic Biology</i> , 2020, 69, 1212-1230.	2.7	18
24	<i>Squamellaria</i> : Plants domesticated by ants. <i>Plants People Planet</i> , 2019, 1, 302-305.	1.6	4
25	Farming by ants remodels nutrient uptake in epiphytes. <i>New Phytologist</i> , 2019, 223, 2011-2023.	3.5	21
26	Phylogenetic comparative methods improve the selection of characters for generic delimitations in a hyperdiverse Neotropical orchid clade. <i>Scientific Reports</i> , 2019, 9, 15098.	1.6	12
27	The Origin and Diversification of the Hyperdiverse Flora in the Chocó Biogeographic Region. <i>Frontiers in Plant Science</i> , 2019, 10, 1328.	1.7	45
28	A roadmap for global synthesis of the plant tree of life. <i>American Journal of Botany</i> , 2018, 105, 614-622.	0.8	38
29	Digest: Shape-shifting in Solanaceae flowers: The influence of pollinators*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 717-718.	1.1	2
30	Digest: Drivers of coral diversification in a major marine biodiversity hotspot*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 406-408.	1.1	4
31	Is Amazonia a "museum" for Neotropical trees? The evolution of the <i>Brownea</i> clade (Detarioideae). <i>Tj ETQq1</i> 1 0.784314 rgBT / 1.2 34	1.2	34
32	Mining threatens Colombian ecosystems. <i>Science</i> , 2018, 359, 1475-1475.	6.0	33
33	From tree tops to the ground: Reversals to terrestrial habit in <i>Galeandra</i> orchids (Epidendroideae). <i>Tj ETQq1</i> 1 0.784314 rgBT / 1.2 27	1.2	27
34	Anchored hybrid enrichment generated nuclear, plastid and mitochondrial markers resolve the <i>Lepanthes horrida</i> (Orchidaceae: Pleurothallidinae) species complex. <i>Molecular Phylogenetics and Evolution</i> , 2018, 129, 27-47.	1.2	42
35	Recurrent breakdowns of mutualisms with ants in the neotropical ant-plant genus <i>Cecropia</i> (Urticaceae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 111, 196-205.	1.2	18
36	A NEW SPECIES OF TELIPOGON (ONCIDIINAE; ORCHIDACEAE) FROM THE PARAMOS OF COLOMBIA. <i>Phytotaxa</i> , 2017, 305, 262.	0.1	1

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37	Recent origin and rapid speciation of Neotropical orchids in the world's richest plant biodiversity hotspot. <i>New Phytologist</i> , 2017, 215, 891-905.	3.5	170
38	Partner abundance controls mutualism stability and the pace of morphological change over geologic time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3951-3956.	3.3	50
39	The assembly of ant-farmed gardens: mutualism specialization following host broadening. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20161759.	1.2	26
40	The interactions of ants with their biotic environment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170013.	1.2	18
41	Geographical structure, narrow species ranges, and Cenozoic diversification in a pantropical clade of epiphyllous leafy liverworts. <i>Ecology and Evolution</i> , 2017, 7, 638-653.	0.8	37
42	Multiple Geographical Origins of Environmental Sex Determination enhanced the diversification of Darwin's Favourite Orchids. <i>Scientific Reports</i> , 2017, 7, 12878.	1.6	20
43	The ancestral flower of angiosperms and its early diversification. <i>Nature Communications</i> , 2017, 8, 16047.	5.8	259
44	Andean Mountain Building Did not Preclude Dispersal of Lowland Epiphytic Orchids in the Neotropics. <i>Scientific Reports</i> , 2017, 7, 4919.	1.6	35
45	Evolution and ecology of plant architecture: integrating insights from the fossil record, extant morphology, developmental genetics and phylogenies. <i>Annals of Botany</i> , 2017, 120, 855-891.	1.4	53
46	Chromosome numbers, Sudanese wild forms, and classification of the watermelon genus <i>Citrullus</i> , with 50 names allocated to seven biological species. <i>Taxon</i> , 2017, 66, 1393-1405.	0.4	40
47	A Burmese amber fossil of <i>Radula</i> (Porellales, Jungermanniopsida) provides insights into the Cretaceous evolution of epiphytic lineages of leafy liverworts. <i>Fossil Record</i> , 2017, 20, 201-213.	0.5	18
48	Partner choice through concealed floral sugar rewards evolved with the specialization of ant-plant mutualisms. <i>New Phytologist</i> , 2016, 211, 1358-1370.	3.5	29
49	A phylogeny of Cephaloziaceae (Jungermanniopsida) based on nuclear and chloroplast DNA markers. <i>Organisms Diversity and Evolution</i> , 2016, 16, 727-742.	0.7	18
50	Obligate plant farming by a specialized ant. <i>Nature Plants</i> , 2016, 2, 16181.	4.7	26
51	Sex and the Catasetinae (Darwin's favourite orchids). <i>Molecular Phylogenetics and Evolution</i> , 2016, 97, 1-10.	1.2	19
52	Rumbling Orchids: How To Assess Divergent Evolution Between Chloroplast Endosymbionts and the Nuclear Host. <i>Systematic Biology</i> , 2016, 65, 51-65.	2.7	65
53	Evolutionary Relationships and Biogeography of the Ant-Epiphytic Genus <i>Squamellaria</i> (Rubiaceae: Tj ETQq1 1 0.784314 rgBT / Overlock 1.1 23	1.1	23
54	Strong biogeographic signal in the phylogenetic relationships of <i>Rocheortia</i> Sw. (Ehretiaceae, Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 62	0.3	11

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55	Phylogenetics and molecular clocks reveal the repeated evolution of ant-plant symbioses after the late Cretaceous in Africa and the early Cretaceous in Australasia and the Neotropics. <i>New Phytologist</i> , 2015, 207, 411-424.	3.5	76
56	Macroevolutionary assembly of ant-plant symbioses: <i>Pseudomyrmex</i> ants and their ant-housing plants in the Neotropics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20152200.	1.2	51
57	The velamen protects photosynthetic orchid roots against UV-B damage, and a large dated phylogeny implies multiple gains and losses of this function during the Cretaceous. <i>New Phytologist</i> , 2015, 205, 1330-1341.	3.5	90
58	Watermelon origin solved with molecular phylogenetics including Linnæan material: another example of museomics. <i>New Phytologist</i> , 2015, 205, 526-532.	3.5	154
59	A New Species of <i>Lepanthes</i> (Pleurothallidinae, Orchidaceae) from Colombia. <i>Systematic Botany</i> , 2013, 38, 316-319.	0.2	4
60	Analysis of rhizome morphology of the Zingiberales in Payamino (Ecuador) reveals convergent evolution of two distinct architectural strategies. <i>Acta Botanica Gallica</i> , 2013, 160, 239-254.	0.9	12
61	Revised Species Delimitation in the Giant Water Lily Genus <i>Victoria</i> (Nymphaeaceae) Confirms a New Species and Has Implications for Its Conservation. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	9