Oscar Alejandro PÃ©rez-Escobar

List of Publications by Year
in descending order

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 ancestral flower of angiosperms and its early diversification. Nature Communications, 2017, 8, 16047.	5.8	259
2	Recent origin and rapid speciation of Neotropical orchids in the world's richest plant biodiversity hotspot. New Phytologist, 2017, 215, 891-905.	3.5	170
3	Watermelon origin solved with molecular phylogenetics including <scp>L</scp>innaean material: another example of museomics. New Phytologist, 2015, 205, 526-532.	3.5	154
4	Unlocking plant resources to support food security and promote sustainable agriculture. Plants People Planet, 2020, 2, 421-445.	1.6	130
5	The velamen protects photosynthetic orchid roots against <scp>UV</scp>â€<scp>B</scp> damage, and a large dated phylogeny implies multiple gains and losses of this function during the <scp>C</scp>enozoic. New Phytologist, 2015, 205, 1330-1341.	3.5	90
6	Phylogenetics and molecular clocks reveal the repeated evolution of antâ€plants after the late <scp>M</scp>iocene in <scp>A</scp>frica and the early <scp>M</scp>iocene in <scp>A</scp>ustralasia and the <scp>N</scp>eotropics. New Phytologist, 2015, 207, 411-424.	3.5	76
7	The Andes through time: evolution and distribution of Andean floras. Trends in Plant Science, 2022, 27, 364-378.	4.3	67
8	Rumbling Orchids: How To Assess Divergent Evolution Between Chloroplast Endosymbionts and the Nuclear Host. Systematic Biology, 2016, 65, 51-65.	2.7	65
9	Evolution and ecology of plant architecture: integrating insights from the fossil record, extant morphology, developmental genetics and phylogenies. Annals of Botany, 2017, 120, 855-891.	1.4	53
10	A nuclear phylogenomic study of the angiosperm order Myrtales, exploring the potential and limitations of the universal Angiosperms353 probe set. American Journal of Botany, 2021, 108, 1087-1111.	0.8	53
11	Macroevolutionary assembly of ant/plant symbioses: <i>Pseudomyrmex</i> ants and their ant-housing plants in the Neotropics. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152200.	1.2	51
12	Partner abundance controls mutualism stability and the pace of morphological change over geologic time. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3951-3956.	3.3	50
13	The Origin and Diversification of the Hyperdiverse Flora in the ChocÃ3 Biogeographic Region. Frontiers in Plant Science, 2019, 10, 1328.	1.7	45
14	The climatic challenge: Which plants will people use in the next century?. Environmental and Experimental Botany, 2020, 170, 103872.	2.0	45
15	Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. Nature Communications, 2021, 12, 354.	5.8	43
16	Anchored hybrid enrichment generated nuclear, plastid and mitochondrial markers resolve the Lepanthes horrida (Orchidaceae: Pleurothallidinae) species complex. Molecular Phylogenetics and Evolution, 2018, 129, 27-47.	1.2	42
17	Chromosome numbers, Sudanese wild forms, and classification of the watermelon genus <i>Citrullus</i>, with 50 names allocated to seven biological species. Taxon, 2017, 66, 1393-1405.	0.4	40
18	A roadmap for global synthesis of the plant tree of life. American Journal of Botany, 2018, 105, 614-622.	0.8	38

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19	Geographical structure, narrow species ranges, and <scp>C</scp>enozoic diversification in a pantropical clade of epiphyllous leafy liverworts. Ecology and Evolution, 2017, 7, 638-653.	0.8	37
20	A chromosome-level genome of a Kordofan melon illuminates the origin of domesticated watermelons. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	37
21	Andean Mountain Building Did not Preclude Dispersal of Lowland Epiphytic Orchids in the Neotropics. Scientific Reports, 2017, 7, 4919.	1.6	35
22	Hundreds of nuclear and plastid loci yield novel insights into orchid relationships. American Journal of Botany, 2021, 108, 1166-1180.	0.8	35
23	Is Amazonia a â€˜museumâ€™ for Neotropical trees? The evolution of the Brownea clade (Detarioideae,) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	34
24	Mining threatens Colombian ecosystems. Science, 2018, 359, 1475-1475.	6.0	33
25	Plastid phylogenomics resolves ambiguous relationships within the orchid family and provides a solid timeframe for biogeography and macroevolution. Scientific Reports, 2021, 11, 6858.	1.6	30
26	Partner choice through concealed floral sugar rewards evolved with the specialization of antâ€“plant mutualisms. New Phytologist, 2016, 211, 1358-1370.	3.5	29
27	From tree tops to the ground: Reversals to terrestrial habit in Galeandra orchids (Epidendroideae:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	27
28	Understanding climate change impacts on biome and plant distributions in the Andes: Challenges and opportunities. Journal of Biogeography, 2022, 49, 1420-1442.	1.4	27
29	Obligate plant farming by a specialized ant. Nature Plants, 2016, 2, 16181.	4.7	26
30	The assembly of ant-farmed gardens: mutualism specialization following host broadening. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20161759.	1.2	26
31	Resolving relationships in an exceedingly young Neotropical orchid lineage using Genotyping-by-sequencing data. Molecular Phylogenetics and Evolution, 2020, 144, 106672.	1.2	23
32	Introgression across evolutionary scales suggests reticulation contributes to Amazonian tree diversity. Molecular Ecology, 2020, 29, 4170-4185.	2.0	23
33	Botanical Monography in the Anthropocene. Trends in Plant Science, 2021, 26, 433-441.	4.3	23
34	Evolutionary Relationships and Biogeography of the Ant-Epiphytic Genus Squamellaria (Rubiaceae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	23
35	Farming by ants remodels nutrient uptake in epiphytes. New Phytologist, 2019, 223, 2011-2023.	3.5	21
36	Multiple Geographical Origins of Environmental Sex Determination enhanced the diversification of Darwinâ€™s Favourite Orchids. Scientific Reports, 2017, 7, 12878.	1.6	20

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37	Sex and the Catasetinae (Darwinâ€™s favourite orchids). Molecular Phylogenetics and Evolution, 2016, 97, 1-10.	1.2	19
38	A phylogeny of Cephaloziaceae (Jungermanniopsida) based on nuclear and chloroplast DNA markers. Organisms Diversity and Evolution, 2016, 16, 727-742.	0.7	18
39	Recurrent breakdowns of mutualisms with ants in the neotropical ant-plant genus Cecropia (Urticaceae). Molecular Phylogenetics and Evolution, 2017, 111, 196-205.	1.2	18
40	The interactions of ants with their biotic environment. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170013.	1.2	18
41	Random Tanglegram Partitions (Random TaPas): An Alexandrian Approach to the Cophylogenetic Gordian Knot. Systematic Biology, 2020, 69, 1212-1230.	2.7	18
42	A Burmese amber fossil of <i>Radula</i> (Porellales, Jungermanniopsida) provides insights into the Cretaceous evolution of epiphytic lineages of leafy liverworts. Fossil Record, 2017, 20, 201-213.	0.5	18
43	Plastome Evolution in the Hyperdiverse Genus Euphorbia (Euphorbiaceae) Using Phylogenomic and Comparative Analyses: Large-Scale Expansion and Contraction of the Inverted Repeat Region. Frontiers in Plant Science, 2021, 12, 712064.	1.7	16
44	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>. Journal of Experimental Botany, 2021, 72, 654-681.	2.4	15
45	Molecular Clocks and Archeogenomics of a Late Period Egyptian Date Palm Leaf Reveal Introgression from Wild Relatives and Add Timestamps on the Domestication. Molecular Biology and Evolution, 2021, 38, 4475-4492.	3.5	14
46	Analysis of rhizome morphology of the Zingiberales in Payamino (Ecuador) reveals convergent evolution of two distinct architectural strategies. Acta Botanica Gallica, 2013, 160, 239-254.	0.9	12
47	Phylogenetic comparative methods improve the selection of characters for generic delimitations in a hyperdiverse Neotropical orchid clade. Scientific Reports, 2019, 9, 15098.	1.6	12
48	An ancient tropical origin, dispersals via land bridges and Miocene diversification explain the subcosmopolitan disjunctions of the liverwort genus Lejeunea. Scientific Reports, 2020, 10, 14123.	1.6	12
49	Strong biogeographic signal in the phylogenetic relationships of Rochefortia Sw. (Ehretiaceae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.3	11
50	Transitions between the Terrestrial and Epiphytic Habit Drove the Evolution of Seed-Aerodynamic Traits in Orchids. American Naturalist, 2020, 195, 275-283.	1.0	11
51	Plant Power: Opportunities and challenges for meeting sustainable energy needs from the plant and fungal kingdoms. Plants People Planet, 2020, 2, 446-462.	1.6	11
52	Untapped resources for medical research. Science, 2020, 369, 781-782.	6.0	9
53	Revised Species Delimitation in the Giant Water Lily Genus Victoria (Nymphaeaceae) Confirms a New Species and Has Implications for Its Conservation. Frontiers in Plant Science, 0, 13, .	1.7	9
54	Tradeoffs in the evolution of plant farming by ants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2535-2543.	3.3	8

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55	Repetitive DNA Restructuring Across Multiple Nicotiana Allopolyploidisation Events Shows a Lack of Strong Cytoplasmic Bias in Influencing Repeat Turnover. Genes, 2020, 11, 216.	1.0	6
56	A New Species of <I>Lepanthes</I> (Pleurothallidinae, Orchidaceae) from Colombia. Systematic Botany, 2013, 38, 316-319.	0.2	4
57	Digest: Drivers of coral diversification in a major marine biodiversity hotspot*. Evolution; International Journal of Organic Evolution, 2018, 72, 406-408.	1.1	4
58	<i>Squamellaria</i>: Plants domesticated by ants. Plants People Planet, 2019, 1, 302-305.	1.6	4
59	Genomeâ€wide transcriptome signatures of antâ€farmed <i>Squamellaria</i> epiphytes reveal key functions in a unique symbiosis. Ecology and Evolution, 2021, 11, 15882-15895.	0.8	3
60	Digest: Shape-shifting in Solanaceae flowers: The influence of pollinators*. Evolution; International Journal of Organic Evolution, 2018, 72, 717-718.	1.1	2
61	A NEW SPECIES OF TELIPOGON (ONCIDIINAE; ORCHIDACEAE) FROM THE PARAMOS OF COLOMBIA. Phytotaxa, 2017, 305, 262.	0.1	1