# Oscar Alejandro PÃ©rez-Escobar

List of Publications by Year
in descending order



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|---|---|---|---|
| 61 papers | 2,258 citations | 257450 24 h-index | 265206 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. | 12.8 | 259 |
| 2 | Recent origin and rapid speciation of Neotropical orchids in the world's richest plant biodiversity hotspot. New Phytologist, 2017, 215, 891-905. | 7.3 | 170 |
| 3 | Watermelon origin solved with molecular phylogenetics including <scp>L</scp>innaean material: another example of museomics. New Phytologist, 2015, 205, 526-532. | 7.3 | 154 |
| 4 | Unlocking plant resources to support food security and promote sustainable agriculture. Plants People Planet, 2020, 2, 421-445. | 3.3 | 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. | 7.3 | 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. | 7.3 | 76 |
| 7 | The Andes through time: evolution and distribution of Andean floras. Trends in Plant Science, 2022, 27, 364-378. | 8.8 | 67 |
| 8 | Rumbling Orchids: How To Assess Divergent Evolution Between Chloroplast Endosymbionts and the Nuclear Host. Systematic Biology, 2016, 65, 51-65. | 5.6 | 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. | 2.9 | 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. | 1.7 | 53 |
| 11 | Macroevolutionary assembly of ant/plant symbioses: Pseudomyrmex ants and their ant-housing plants in the Neotropics. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152200. | 2.6 | 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. | 7.1 | 50 |
| 13 | The Origin and Diversification of the Hyperdiverse Flora in the ChocÃ³ Biogeographic Region. Frontiers in Plant Science, 2019, 10, 1328. | 3.6 | 45 |
| 14 | The climatic challenge: Which plants will people use in the next century?. Environmental and Experimental Botany, 2020, 170, 103872. | 4.2 | 45 |
| 15 | Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. Nature Communications, 2021, 12, 354. | 12.8 | 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. | 2.7 | 42 |
| 17 | Chromosome numbers, Sudanese wild forms, and classification of the watermelon genus Citrullus, with 50 names allocated to seven biological species. Taxon, 2017, 66, 1393-1405. | 0.7 | 40 |
| 18 | A roadmap for global synthesis of the plant tree of life. American Journal of Botany, 2018, 105, 614-622. | 1.7 | 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. | 1.9 | 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, . | 7.1 | 37 |
| 21 | Andean Mountain Building Did not Preclude Dispersal of Lowland Epiphytic Orchids in the Neotropics. Scientific Reports, 2017, 7, 4919. | 3.3 | 35 |
| 22 | Hundreds of nuclear and plastid loci yield novel insights into orchid relationships. American Journal of Botany, 2021, 108, 1166-1180. | 1.7 | 35 |
| 23 | Is Amazonia a â€˜museumâ€™ for Neotropical trees? The evolution of the Brownea clade (Detarioideae,) Tj ETQq1 1 0.784314 rgBT /Ov | 2.7 | 34 |
| 24 | Mining threatens Colombian ecosystems. Science, 2018, 359, 1475-1475. | 12.6 | 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. | 3.3 | 30 |
| 26 | Partner choice through concealed floral sugar rewards evolved with the specialization of antâ€“plant mutualisms. New Phytologist, 2016, 211, 1358-1370. | 7.3 | 29 |
| 27 | From tree tops to the ground: Reversals to terrestrial habit in Galeandra orchids (Epidendroideae:) Tj ETQq1 1 0.784314 rgBT /Overlo | 2.7 | 27 |
| 28 | Understanding climate change impacts on biome and plant distributions in the Andes: Challenges and opportunities. Journal of Biogeography, 2022, 49, 1420-1442. | 3.0 | 27 |
| 29 | Obligate plant farming by a specialized ant. Nature Plants, 2016, 2, 16181. | 9.3 | 26 |
| 30 | The assembly of ant-farmed gardens: mutualism specialization following host broadening. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20161759. | 2.6 | 26 |
| 31 | Resolving relationships in an exceedingly young Neotropical orchid lineage using Genotyping-by-sequencing data. Molecular Phylogenetics and Evolution, 2020, 144, 106672. | 2.7 | 23 |
| 32 | Introgression across evolutionary scales suggests reticulation contributes to Amazonian tree diversity. Molecular Ecology, 2020, 29, 4170-4185. | 3.9 | 23 |
| 33 | Botanical Monography in the Anthropocene. Trends in Plant Science, 2021, 26, 433-441. | 8.8 | 23 |
| 34 | Evolutionary Relationships and Biogeography of the Ant-Epiphytic Genus Squamellaria (Rubiaceae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.5 | 23 |
| 35 | Farming by ants remodels nutrient uptake in epiphytes. New Phytologist, 2019, 223, 2011-2023. | 7.3 | 21 |
| 36 | Multiple Geographical Origins of Environmental Sex Determination enhanced the diversification of Darwinâ€™s Favourite Orchids. Scientific Reports, 2017, 7, 12878. | 3.3 | 20 |

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|---|---|---|---|
| 37 | Sex and the Catasetinae (Darwinâ€™s favourite orchids). Molecular Phylogenetics and Evolution, 2016, 97, 1-10. | 2.7 | 19 |
| 38 | A phylogeny of Cephaloziaceae (Jungermanniopsida) based on nuclear and chloroplast DNA markers. Organisms Diversity and Evolution, 2016, 16, 727-742. | 1.6 | 18 |
| 39 | Recurrent breakdowns of mutualisms with ants in the neotropical ant-plant genus Cecropia (Urticaceae). Molecular Phylogenetics and Evolution, 2017, 111, 196-205. | 2.7 | 18 |
| 40 | The interactions of ants with their biotic environment. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170013. | 2.6 | 18 |
| 41 | Random Tanglegram Partitions (Random TaPas): An Alexandrian Approach to the Cophylogenetic Gordian Knot. Systematic Biology, 2020, 69, 1212-1230. | 5.6 | 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. | 1.4 | 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. | 3.6 | 16 |
| 44 | Whole plastomes are not enough: phylogenomic and morphometric exploration at multiple demographic levels of the bee orchid clade Ophrys sect. Sphegodes. Journal of Experimental Botany, 2021, 72, 654-681. | 4.8 | 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. | 8.9 | 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. | 3.3 | 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. | 3.3 | 12 |
| 49 | Strong biogeographic signal in the phylogenetic relationships of Rochefortia Sw. (Ehretiaceae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 0.9 | 11 |
| 50 | Transitions between the Terrestrial and Epiphytic Habit Drove the Evolution of Seed-Aerodynamic Traits in Orchids. American Naturalist, 2020, 195, 275-283. | 2.1 | 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. | 3.3 | 11 |
| 52 | Untapped resources for medical research. Science, 2020, 369, 781-782. | 12.6 | 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, . | 3.6 | 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. | 7.1 | 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. | 2.4 | 6 |
| 56 | A New Species of <I>Lepanthes</I> (Pleurothallidinae, Orchidaceae) from Colombia. Systematic Botany, 2013, 38, 316-319. | 0.5 | 4 |
| 57 | Digest: Drivers of coral diversification in a major marine biodiversity hotspot*. Evolution; International Journal of Organic Evolution, 2018, 72, 406-408. | 2.3 | 4 |
| 58 | Squamellaria: Plants domesticated by ants. Plants People Planet, 2019, 1, 302-305. | 3.3 | 4 |
| 59 | Genomeâ€wide transcriptome signatures of antâ€farmed Squamellaria epiphytes reveal key functions in a unique symbiosis. Ecology and Evolution, 2021, 11, 15882-15895. | 1.9 | 3 |
| 60 | Digest: Shape-shifting in Solanaceae flowers: The influence of pollinators*. Evolution; International Journal of Organic Evolution, 2018, 72, 717-718. | 2.3 | 2 |
| 61 | A NEW SPECIES OF TELIPOGON (ONCIDIINAE; ORCHIDACEAE) FROM THE PARAMOS OF COLOMBIA. Phytotaxa, 2017, 305, 262. | 0.3 | 1 |