

Guillaume Chomicki

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,084
citations

257357

24
h-index

265120

42
g-index

62
all docs

62
docs citations

62
times ranked

2915
citing authors

#	ARTICLE	IF	CITATIONS
1	The ancestral flower of angiosperms and its early diversification. <i>Nature Communications</i> , 2017, 8, 16047.	5.8	259
2	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
3	Watermelon origin solved with molecular phylogenetics including <i>Linnæan</i> material: another example of museomics. <i>New Phytologist</i> , 2015, 205, 526-532.	3.5	154
4	Origin and domestication of Cucurbitaceae crops: insights from phylogenies, genomics and archaeology. <i>New Phytologist</i> , 2020, 226, 1240-1255.	3.5	134
5	SPIRAL2 Determines Plant Microtubule Organization by Modulating Microtubule Severing. <i>Current Biology</i> , 2013, 23, 1902-1907.	1.8	123
6	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
7	The Evolution of Mutualistic Dependence. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2020, 51, 409-432.	3.8	78
8	Phylogenetics and molecular clocks reveal the repeated evolution of ant-plant symbioses after the late Miocene in Africa and the early Miocene in Australasia and the Neotropics. <i>New Phytologist</i> , 2015, 207, 411-424.	3.5	76
9	The Impact of Mutualisms on Species Richness. <i>Trends in Ecology and Evolution</i> , 2019, 34, 698-711.	4.2	71
10	The Andes through time: evolution and distribution of Andean floras. <i>Trends in Plant Science</i> , 2022, 27, 364-378.	4.3	67
11	Compartmentalization drives the evolution of symbiotic cooperation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190602.	1.8	55
12	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
13	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
14	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
15	Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. <i>Nature Communications</i> , 2021, 12, 354.	5.8	43
16	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
17	Dynamics of flavonol accumulation in leaf tissues under different UV-B regimes in <i>Centella asiatica</i> (Apiaceae). <i>Planta</i> , 2015, 242, 545-559.	1.6	37
18	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

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19	Exodermis structure controls fungal invasion in the leafless epiphytic orchid <i>Dendrophylax lindenii</i> (Lindl.) Benth. ex Rolfe. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2014, 209, 88-94.	0.6	35
20	Andean Mountain Building Did not Preclude Dispersal of Lowland Epiphytic Orchids in the Neotropics. <i>Scientific Reports</i> , 2017, 7, 4919.	1.6	35
21	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
22	Mining threatens Colombian ecosystems. <i>Science</i> , 2018, 359, 1475-1475.	6.0	33
23	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
24	From tree tops to the ground: Reversals to terrestrial habit in Galeandra orchids (Epidendroideae: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.2	27
25	Obligate plant farming by a specialized ant. <i>Nature Plants</i> , 2016, 2, 16181.	4.7	26
26	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
27	Experimental signal dissection and method sensitivity analyses reaffirm the potential of fossils and morphology in the resolution of the relationship of angiosperms and Gnetales. <i>Paleobiology</i> , 2018, 44, 490-510.	1.3	26
28	(2313) Proposal to conserve the name <i>Momordica lanata</i> (<i>Citrullus lanatus</i>) (watermelon, <i>Cucurbitaceae</i>), with a conserved type, against <i>Citrullus battich</i> . <i>Taxon</i> , 2014, 63, 941-942.	0.4	23
29	Evolutionary Relationships and Biogeography of the Ant-Epiphytic Genus <i>Squamellaria</i> (Rubiaceae: Tj ETQq1 1 0.784314 rgBT/Overlock 23	1.1	23
30	Farming by ants remodels nutrient uptake in epiphytes. <i>New Phytologist</i> , 2019, 223, 2011-2023.	3.5	21
31	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
32	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
33	The interactions of ants with their biotic environment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170013.	1.2	18
34	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
35	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
36	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

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37	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
38	Palm snorkelling: leaf bases as aeration structures in the mangrove palm (<i>Nypa fruticans</i>). Botanical Journal of the Linnean Society, 2014, 174, 257-270.	0.8	5
39	A Specific Class of Short Treadmilling Microtubules Enhances Cortical Microtubule Alignment. Molecular Plant, 2016, 9, 1214-1216.	3.9	5
40	<i>Squamellaria</i>: Plants domesticated by ants. Plants People Planet, 2019, 1, 302-305.	1.6	4
41	Deciphering the complex architecture of an herb using micro-computed X-ray tomography, with an illustrated discussion on architectural diversity of herbs. Botanical Journal of the Linnean Society, 2018, 186, 145-157.	0.8	3
42	The flip side of the coin: ecological function of the beeâ€chawking Asian hornet. Integrative Zoology, 2020, 15, 156-159.	1.3	3
43	Do dispersers shape diaspore mass in vespicochory?. Ecology, 2021, 102, e03302.	1.5	3
44	Bringing RaunkiÃ r with plant architecture: unveiling the climatic drivers of architectural evolution in <i>Euphorbia</i>. New Phytologist, 2021, 231, 910-912.	3.5	3
45	Threeâ€dimensional Xâ€rayâ€computed tomography of 3300â€to 6000â€yearâ€old <i>Citrullus</i> seeds from Libya and Egypt compared to extant seeds throws doubts on species assignments. Plants People Planet, 2021, 3, 694-702.	1.6	3
46	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
47	Climate and symbioses with ants modulate leaf/stem scaling in epiphytes. Scientific Reports, 2019, 9, 2624.	1.6	2
48	Editorial: Symbiotic Relationships as Shapers of Biodiversity. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	2
49	Highwayman fly hijacks fierce trapâ€jaw ants. Frontiers in Ecology and the Environment, 2019, 17, 278-278.	1.9	1
50	Ant-Plants: Epiphytic Rubiaceae. , 2020, , 1-4.		1
51	Ant-Plants: Epiphytic Rubiaceae. , 2021, , 49-52.		0
52	1006. ANTHORRHIZA ECHINELLA: An antâ€plant of the Rubiaceae. Curtis's Botanical Magazine, 2021, 38, 524.	0.1	0