Christopher D Muir

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8404576/publications.pdf

Version: 2024-02-01

31 papers	2,199 citations	516710 16 h-index	454955 30 g-index
49 all docs	49 docs citations	49 times ranked	4968 citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Effects of Genetic Perturbation on Seasonal Life History Plasticity. Science, 2009, 323, 930-934.	12.6	340
3	Morphological and anatomical determinants of mesophyll conductance in wild relatives of tomato (<scp>S</scp>olanum sect. <scp>L</scp>ycopersicon, sect.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (<s 1415-1426.	5.7	82
4	Making pore choices: repeated regime shifts in stomatal ratio. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151498.	2.6	72
5	Quantitative Genetic Analysis Indicates Natural Selection on Leaf Phenotypes Across Wild Tomato Species (Solanum sect. Lycopersicon; Solanaceae). Genetics, 2014, 198, 1629-1643.	2.9	56
6	THE CONTRIBUTION OF GENE MOVEMENT TO THE â€œTWO RULES OF SPECIATIONâ€• Evolution; International Journal of Organic Evolution, 2010, 64, 1541-1557.	2.3	55
7	The case for the continued use of the genus name Mimulus for all monkeyflowers. Taxon, 2019, 68, 617-623.	0.7	51
8	Light and growth form interact to shape stomatal ratio among British angiosperms. New Phytologist, 2018, 218, 242-252.	7.3	47
9	Pervasive antagonistic interactions among hybrid incompatibility loci. PLoS Genetics, 2017, 13, e1006817.	3.5	46
10	The Limited Contribution of Reciprocal Gene Loss to Increased Speciation Rates Following Whole-Genome Duplication. American Naturalist, 2015, 185, 70-86.	2.1	40
11	Weak coordination between leaf structure and function among closely related tomato species. New Phytologist, 2017, 213, 1642-1653.	7.3	40
12	No evidence for biased co-transmission of speciation islands in Anopheles gambiae. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 374-384.	4.0	34
13	How Did the Swiss Cheese Plant Get Its Holes?. American Naturalist, 2013, 181, 273-281.	2.1	34
14	tealeaves: an R package for modelling leaf temperature using energy budgets. AoB PLANTS, 2019, 11, plz054.	2.3	28
15	Antagonistic epistasis for ecophysiological trait differences between Solanum species. New Phytologist, 2009, 183, 789-802.	7.3	23
16	Adaptation across geographic ranges is consistent with strong selection in marginal climates and legacies of range expansion. Evolution; International Journal of Organic Evolution, 2021, 75, 1316-1333.	2.3	21
17	Reciprocal insights into adaptation from agricultural and evolutionary studies in tomato. Evolutionary Applications, 2010, 3, 409-421.	3.1	19
18	Is Amphistomy an Adaptation to High Light? Optimality Models of Stomatal Traits along Light Gradients. Integrative and Comparative Biology, 2019, 59, 571-584.	2.0	19

#	Article	IF	Citations
19	Developmental changes in the reflectance spectra of temperate deciduous tree leaves and implications for thermal emissivity and leaf temperature. New Phytologist, 2021, 229, 791-804.	7.3	19
20	The acquisitiveâ€“conservative axis of leaf trait variation emerges even in homogeneous environments. Annals of Botany, 2022, 129, 709-722.	2.9	18
21	Constraint around Quarter-Power Allometric Scaling in Wild Tomatoes (Solanum sect.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	16
22	Grow with the flow: a latitudinal cline in physiology is associated with more variable precipitation in Erythranthe cardinalis. Journal of Evolutionary Biology, 2017, 30, 2189-2203.	1.7	12
23	Growth capacity in wild tomatoes and relatives correlates with original climate in arid and semi-arid species. Environmental and Experimental Botany, 2017, 141, 181-190.	4.2	11
24	Stomatal anatomy coordinates leaf size with Rubisco kinetics in the Balearic Limonium. AoB PLANTS, 0, , .	2.3	11
25	A Stomatal Model of Anatomical Tradeoffs Between Gas Exchange and Pathogen Colonization. Frontiers in Plant Science, 2020, 11, 518991.	3.6	6
26	Quantitative trait locus mapping reveals an independent genetic basis for joint divergence in leaf function, lifeâ€history, and floral traits between scarlet monkeyflower (Mimulus cardinalis) populations. American Journal of Botany, 2021, 108, 844-856.	1.7	6
27	Restoration of the mycobiome of the endangered Hawaiian mint Phyllostegia kaalaensis increases its resistance to a common powdery mildew. Fungal Ecology, 2021, 52, 101070.	1.6	6
28	Principles of resilient coding for plant ecophysiologists. AoB PLANTS, 2021, 13, plab059.	2.3	6
29	Core arbuscular mycorrhizal fungi are predicted by their high abundanceâ€“occupancy relationship while hostâ€specific taxa are rare and geographically structured. New Phytologist, 2022, , .	7.3	4
30	Geographic variation in reproductive assurance of Clarkia pulchella. Oecologia, 2019, 190, 59-67.	2.0	2
31	Phylogenetic history of vascular plant metabolism revealed using a macroevolutionary common garden. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210605.	2.6	1