

Christopher D Muir

List of Publications by Year in descending order

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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 | The acquisitiveâ€“conservative axis of leaf trait variation emerges even in homogeneous environments. <i>Annals of Botany</i> , 2022, 129, 709-722. | 2.9 | 18 |
| 2 | Core arbuscular mycorrhizal fungi are predicted by their high abundanceâ€“occupancy relationship while hostâ€“specific taxa are rare and geographically structured. <i>New Phytologist</i> , 2022, , . | 7.3 | 4 |
| 3 | Developmental changes in the reflectance spectra of temperate deciduous tree leaves and implications for thermal emissivity and leaf temperature. <i>New Phytologist</i> , 2021, 229, 791-804. | 7.3 | 19 |
| 4 | Adaptation across geographic ranges is consistent with strong selection in marginal climates and legacies of range expansion. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1316-1333. | 2.3 | 21 |
| 5 | Quantitative trait locus mapping reveals an independent genetic basis for joint divergence in leaf function, lifeâ€“history, and floral traits between scarlet monkeyflower (<i>Mimulus cardinalis</i>) populations. <i>American Journal of Botany</i> , 2021, 108, 844-856. | 1.7 | 6 |
| 6 | Phylogenetic history of vascular plant metabolism revealed using a macroevolutionary common garden. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210605. | 2.6 | 1 |
| 7 | Restoration of the mycobiome of the endangered Hawaiian mint <i>Phyllostegia kaalaensis</i> increases its resistance to a common powdery mildew. <i>Fungal Ecology</i> , 2021, 52, 101070. | 1.6 | 6 |
| 8 | Principles of resilient coding for plant ecophysicologists. <i>AoB PLANTS</i> , 2021, 13, plab059. | 2.3 | 6 |
| 9 | TRY plant trait database â€“ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188. | 9.5 | 1,038 |
| 10 | A Stomatal Model of Anatomical Tradeoffs Between Gas Exchange and Pathogen Colonization. <i>Frontiers in Plant Science</i> , 2020, 11, 518991. | 3.6 | 6 |
| 11 | Is Amphistomy an Adaptation to High Light? Optimality Models of Stomatal Traits along Light Gradients. <i>Integrative and Comparative Biology</i> , 2019, 59, 571-584. | 2.0 | 19 |
| 12 | The case for the continued use of the genus name <i>Mimulus</i> for all monkeyflowers. <i>Taxon</i> , 2019, 68, 617-623. | 0.7 | 51 |
| 13 | Geographic variation in reproductive assurance of <i>Clarkia pulchella</i> . <i>Oecologia</i> , 2019, 190, 59-67. | 2.0 | 2 |
| 14 | tealeaves: an R package for modelling leaf temperature using energy budgets. <i>AoB PLANTS</i> , 2019, 11, plz054. | 2.3 | 28 |
| 15 | Light and growth form interact to shape stomatal ratio among British angiosperms. <i>New Phytologist</i> , 2018, 218, 242-252. | 7.3 | 47 |
| 16 | Growth capacity in wild tomatoes and relatives correlates with original climate in arid and semi-arid species. <i>Environmental and Experimental Botany</i> , 2017, 141, 181-190. | 4.2 | 11 |
| 17 | Weak coordination between leaf structure and function among closely related tomato species. <i>New Phytologist</i> , 2017, 213, 1642-1653. | 7.3 | 40 |
| 18 | Grow with the flow: a latitudinal cline in physiology is associated with more variable precipitation in <i>Erythranthe cardinalis</i>. <i>Journal of Evolutionary Biology</i> , 2017, 30, 2189-2203. | 1.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Pervasive antagonistic interactions among hybrid incompatibility loci. <i>PLoS Genetics</i> , 2017, 13, e1006817. | 3.5 | 46 |
| 20 | Constraint around Quarter-Power Allometric Scaling in Wild Tomatoes (<i>Solanum</i> sect.) | 2.1 | 16 |
| 21 | The Limited Contribution of Reciprocal Gene Loss to Increased Speciation Rates Following Whole-Genome Duplication. <i>American Naturalist</i> , 2015, 185, 70-86. | 2.1 | 40 |
| 22 | Making pore choices: repeated regime shifts in stomatal ratio. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151498. | 2.6 | 72 |
| 23 | Quantitative Genetic Analysis Indicates Natural Selection on Leaf Phenotypes Across Wild Tomato Species (<i>Solanum</i> sect. <i>Lycopersicon</i> ; Solanaceae). <i>Genetics</i> , 2014, 198, 1629-1643. | 2.9 | 56 |
| 24 | Morphological and anatomical determinants of mesophyll conductance in wild relatives of tomato (<i>Solanum</i> sect. <i>Lycopersicon</i> , sect.) | 5.7 | 82 |
| 25 | How Did the Swiss Cheese Plant Get Its Holes?. <i>American Naturalist</i> , 2013, 181, 273-281. | 2.1 | 34 |
| 26 | No evidence for biased co-transmission of speciation islands in <i>Anopheles gambiae</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 374-384. | 4.0 | 34 |
| 27 | Reciprocal insights into adaptation from agricultural and evolutionary studies in tomato. <i>Evolutionary Applications</i> , 2010, 3, 409-421. | 3.1 | 19 |
| 28 | THE CONTRIBUTION OF GENE MOVEMENT TO THE "TWO RULES OF SPECIATION". <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1541-1557. | 2.3 | 55 |
| 29 | Effects of Genetic Perturbation on Seasonal Life History Plasticity. <i>Science</i> , 2009, 323, 930-934. | 12.6 | 340 |
| 30 | Antagonistic epistasis for ecophysiological trait differences between <i>Solanum</i> species. <i>New Phytologist</i> , 2009, 183, 789-802. | 7.3 | 23 |
| 31 | Stomatal anatomy coordinates leaf size with Rubisco kinetics in the Balearic <i>Limonium</i> . <i>AoB PLANTS</i> , 0, , . | 2.3 | 11 |