

Samuel F Brockington

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

8,427
citations

172457

29
h-index

214800

47
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58
all docs

58
docs citations

58
times ranked

9928
citing authors

#	ARTICLE	IF	CITATIONS
1	An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. <i>Botanical Journal of the Linnean Society</i> , 2016, 181, 1-20.	1.6	4,625
2	Angiosperm phylogeny: 17 genes, 640 taxa. <i>American Journal of Botany</i> , 2011, 98, 704-730.	1.7	590
3	Rosid radiation and the rapid rise of angiosperm-dominated forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3853-3858.	7.1	382
4	Dissecting Molecular Evolution in the Highly Diverse Plant Clade Caryophyllales Using Transcriptome Sequencing. <i>Molecular Biology and Evolution</i> , 2015, 32, 2001-2014.	8.9	198
5	Complex pigment evolution in the Caryophyllales. <i>New Phytologist</i> , 2011, 190, 854-864.	7.3	184
6	10KP: A phylodiverse genome sequencing plan. <i>GigaScience</i> , 2018, 7, 1-9.	6.4	169
7	Lineage-specific gene radiations underlie the evolution of novel betalain pigmentation in Caryophyllales. <i>New Phytologist</i> , 2015, 207, 1170-1180.	7.3	152
8	Ex situ conservation of plant diversity in the world's botanic gardens. <i>Nature Plants</i> , 2017, 3, 795-802.	9.3	148
9	Phylogeny of the Caryophyllales Sensu Lato: Revisiting Hypotheses on Pollination Biology and Perianth Differentiation in the Core Caryophyllales. <i>International Journal of Plant Sciences</i> , 2009, 170, 627-643.	1.3	118
10	A Promiscuous Intermediate Underlies the Evolution of LEAFY DNA Binding Specificity. <i>Science</i> , 2014, 343, 645-648.	12.6	117
11	Disentangling Sources of Gene Tree Discordance in Phylogenomic Data Sets: Testing Ancient Hybridizations in Amaranthaceae s.l. <i>Systematic Biology</i> , 2021, 70, 219-235.	5.6	112
12	Paralogous Radiations of PIN Proteins with Multiple Origins of Noncanonical PIN Structure. <i>Molecular Biology and Evolution</i> , 2014, 31, 2042-2060.	8.9	111
13	The evolution of betalain biosynthesis in Caryophyllales. <i>New Phytologist</i> , 2019, 224, 71-85.	7.3	101
14	Plastid phylogenomic insights into the evolution of Caryophyllales. <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 74-86.	2.7	101
15	A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. <i>Applications in Plant Sciences</i> , 2013, 1, 1200497.	2.1	99
16	From cacti to carnivores: Improved phylotranscriptomic sampling and hierarchical homology inference provide further insight into the evolution of Caryophyllales. <i>American Journal of Botany</i> , 2018, 105, 446-462.	1.7	87
17	Improved transcriptome sampling pinpoints 26 ancient and more recent polyploidy events in Caryophyllales, including two allopolyploidy events. <i>New Phytologist</i> , 2018, 217, 855-870.	7.3	85
18	Phylogenetic Analysis of the Plastid Inverted Repeat for 244 Species: Insights into Deeper-Level Angiosperm Relationships from a Long, Slowly Evolving Sequence Region. <i>International Journal of Plant Sciences</i> , 2011, 172, 541-558.	1.3	80

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19	Relaxation of tyrosine pathway regulation underlies the evolution of betalain pigmentation in Caryophyllales. <i>New Phytologist</i> , 2018, 217, 896-908.	7.3	77
20	Floral variation and floral genetics in basal angiosperms. <i>American Journal of Botany</i> , 2009, 96, 110-128.	1.7	68
21	Conservation and canalization of gene expression during angiosperm diversification accompany the origin and evolution of the flower. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22570-22575.	7.1	68
22	Widespread paleopolyploidy, gene tree conflict, and recalcitrant relationships among the carnivorous Caryophyllales. <i>American Journal of Botany</i> , 2017, 104, 858-867.	1.7	62
23	Evolutionary Analysis of the MIXTA Gene Family Highlights Potential Targets for the Study of Cellular Differentiation. <i>Molecular Biology and Evolution</i> , 2013, 30, 526-540.	8.9	61
24	Origin and evolution of petals in angiosperms. <i>Plant Ecology and Evolution</i> , 2013, 146, 5-25.	0.7	58
25	Evolution of Portulacineae Marked by Gene Tree Conflict and Gene Family Expansion Associated with Adaptation to Harsh Environments. <i>Molecular Biology and Evolution</i> , 2019, 36, 112-126.	8.9	55
26	Disparity, diversity, and duplications in the Caryophyllales. <i>New Phytologist</i> , 2018, 217, 836-854.	7.3	51
27	Evolution of <i>DOPA</i> 4,5-dioxygenase activity allows for recurrent specialisation to betalain pigmentation in Caryophyllales. <i>New Phytologist</i> , 2020, 227, 914-929.	7.3	48
28	“Living stones”™ reveal alternative petal identity programs within the core eudicots. <i>Plant Journal</i> , 2012, 69, 193-203.	5.7	39
29	Genome-wide analyses supported by RNA-Seq reveal non-canonical splice sites in plant genomes. <i>BMC Genomics</i> , 2018, 19, 980.	2.8	39
30	How to spot a flower. <i>New Phytologist</i> , 2013, 197, 687-689.	7.3	33
31	RNA-dependent RNA polymerase 1 in potato (<i>Solanum tuberosum</i>) and its relationship to other plant RNA-dependent RNA polymerases. <i>Scientific Reports</i> , 2016, 6, 23082.	3.3	31
32	Androecial evolution in Caryophyllales in light of a paraphyletic Molluginaceae. <i>American Journal of Botany</i> , 2013, 100, 1757-1778.	1.7	29
33	The land plant-specific MIXTA-MYB lineage is implicated in the early evolution of the plant cuticle and the colonization of land. <i>New Phytologist</i> , 2021, 229, 2324-2338.	7.3	29
34	Floral trait variation and integration as a function of sexual deception in <i>Gorteria diffusa</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130563.	4.0	23
35	Redirecting Primary Metabolism to Boost Production of Tyrosine-Derived Specialised Metabolites in <i>Planta</i> . <i>Scientific Reports</i> , 2018, 8, 17256.	3.3	23
36	How Have Advances in Comparative Floral Development Influenced Our Understanding of Floral Evolution?. <i>International Journal of Plant Sciences</i> , 2015, 176, 307-323.	1.3	22

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37	TTG1 proteins regulate circadian activity as well as epidermal cell fate and pigmentation. <i>Nature Plants</i> , 2019, 5, 1145-1153.	9.3	22
38	An efficient field and laboratory workflow for plant phylotranscriptomic projects. <i>Applications in Plant Sciences</i> , 2017, 5, 1600128.	2.1	21
39	On the disintegration of Molluginaceae: a new genus and family (Kewaceae) segregated from <i>Hypertelis</i> , and placement of <i>Macarthuria</i> in Macarthuraceae. <i>Phytotaxa</i> , 2014, 181, 238.	0.3	19
40	Comparing and contrasting threat assessments of plant species at the global and sub-global level. <i>Biodiversity and Conservation</i> , 2018, 27, 907-930.	2.6	17
41	A mycorrhiza-associated receptor-like kinase with an ancient origin in the green lineage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
42	MycRed: Betalain pigments enable in vivo real-time visualisation of arbuscular mycorrhizal colonisation. <i>PLoS Biology</i> , 2021, 19, e3001326.	5.6	11
43	Central Asian wild tulip conservation requires a regional approach, especially in the face of climate change. <i>Biodiversity and Conservation</i> , 2021, 30, 1705-1730.	2.6	9
44	Keep the DNA rolling: Multiple Displacement Amplification of archival plant DNA extracts. <i>Taxon</i> , 2008, 57, 944.	0.7	7
45	The report of anthocyanins in the betalain-pigmented genus <i>Hylocereus</i> is not well evidenced and is not a strong basis to refute the mutual exclusion paradigm. <i>BMC Plant Biology</i> , 2021, 21, 297.	3.6	6
46	Response to Comment on "A promiscuous intermediate underlies the evolution of LEAFY DNA binding specificity". <i>Science</i> , 2015, 347, 621-621.	12.6	4
47	Two independently evolved natural mutations additively deregulate TyrA enzymes and boost tyrosine production in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2022, 109, 844-855.	5.7	4
48	Conical petal epidermal cells, regulated by the MYB transcription factor MIXTA, have an ancient origin within the angiosperms. <i>Journal of Experimental Botany</i> , 0, , .	4.8	2
49	Botanic Gardens and Solutions to Global Challenges. , 0, , 166-191.		0