Samuel F Brockington

List of Publications by Year
in descending order

49 papers	8,427 citations	172386 29 h-index	214721 47 g-index
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. Botanical Journal of the Linnean Society, 2016, 181, 1-20.	0.8	4,625
2	Angiosperm phylogeny: 17 genes, 640 taxa. American Journal of Botany, 2011, 98, 704-730.	0.8	590
3	Rosid radiation and the rapid rise of angiosperm-dominated forests. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3853-3858.	3.3	382
4	Dissecting Molecular Evolution in the Highly Diverse Plant Clade Caryophyllales Using Transcriptome Sequencing. Molecular Biology and Evolution, 2015, 32, 2001-2014.	3.5	198
5	Complex pigment evolution in the Caryophyllales. New Phytologist, 2011, 190, 854-864.	3.5	184
6	10KP: A phylodiverse genome sequencing plan. GigaScience, 2018, 7, 1-9.	3.3	169
7	Lineageâ€specific gene radiations underlie the evolution of novel betalain pigmentation in Caryophyllales. New Phytologist, 2015, 207, 1170-1180.	3.5	152
8	Ex situ conservation of plant diversity in the worldâ€™s botanic gardens. Nature Plants, 2017, 3, 795-802.	4.7	148
9	Phylogeny of the Caryophyllales Sensu Lato: Revisiting Hypotheses on Pollination Biology and Perianth Differentiation in the Core Caryophyllales. International Journal of Plant Sciences, 2009, 170, 627-643.	0.6	118
10	A Promiscuous Intermediate Underlies the Evolution of LEAFY DNA Binding Specificity. Science, 2014, 343, 645-648.	6.0	117
11	Disentangling Sources of Gene Tree Discordance in Phylogenomic Data Sets: Testing Ancient Hybridizations in Amaranthaceae s.l. Systematic Biology, 2021, 70, 219-235.	2.7	112
12	Paralogous Radiations of PIN Proteins with Multiple Origins of Noncanonical PIN Structure. Molecular Biology and Evolution, 2014, 31, 2042-2060.	3.5	111
13	The evolution of betalain biosynthesis in Caryophyllales. New Phytologist, 2019, 224, 71-85.	3.5	101
14	Plastid phylogenomic insights into the evolution of Caryophyllales. Molecular Phylogenetics and Evolution, 2019, 134, 74-86.	1.2	101
15	A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. Applications in Plant Sciences, 2013, 1, 1200497.	0.8	99
16	From cacti to carnivores: Improved phylotranscriptomic sampling and hierarchical homology inference provide further insight into the evolution of Caryophyllales. American Journal of Botany, 2018, 105, 446-462.	0.8	87
17	Improved transcriptome sampling pinpoints 26 ancient and more recent polyploidy events in Caryophyllales, including two allopolyploidy events. New Phytologist, 2018, 217, 855-870.	3.5	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. International Journal of Plant Sciences, 2011, 172, 541-558.	0.6	80

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19	Relaxation of tyrosine pathway regulation underlies the evolution of betalain pigmentation in Caryophyllales. New Phytologist, 2018, 217, 896-908.	3.5	77
20	Floral variation and floral genetics in basal angiosperms. American Journal of Botany, 2009, 96, 110-128.	0.8	68
21	Conservation and canalization of gene expression during angiosperm diversification accompany the origin and evolution of the flower. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22570-22575.	3.3	68
22	Widespread paleopolyploidy, gene tree conflict, and recalcitrant relationships among the carnivorous Caryophyllales. American Journal of Botany, 2017, 104, 858-867.	0.8	62
23	Evolutionary Analysis of the MIXTA Gene Family Highlights Potential Targets for the Study of Cellular Differentiation. Molecular Biology and Evolution, 2013, 30, 526-540.	3.5	61
24	Origin and evolution of petals in angiosperms. Plant Ecology and Evolution, 2013, 146, 5-25.	0.3	58
25	Evolution of Portulacineae Marked by Gene Tree Conflict and Gene Family Expansion Associated with Adaptation to Harsh Environments. Molecular Biology and Evolution, 2019, 36, 112-126.	3.5	55
26	Disparity, diversity, and duplications in the Caryophyllales. New Phytologist, 2018, 217, 836-854.	3.5	51
27	Evolution of <scp>l</scp>â€<scp>DOPA</scp> 4,5â€dioxygenase activity allows for recurrent specialisation to betalain pigmentation in Caryophyllales. New Phytologist, 2020, 227, 914-929.	3.5	48
28	â€˜Living stonesâ€™ reveal alternative petal identity programs within the core eudicots. Plant Journal, 2012, 69, 193-203.	2.8	39
29	Genome-wide analyses supported by RNA-Seq reveal non-canonical splice sites in plant genomes. BMC Genomics, 2018, 19, 980.	1.2	39
30	How to spot a flower. New Phytologist, 2013, 197, 687-689.	3.5	33
31	RNA-dependent RNA polymerase 1 in potato (Solanum tuberosum) and its relationship to other plant RNA-dependent RNA polymerases. Scientific Reports, 2016, 6, 23082.	1.6	31
32	Androecial evolution in Caryophyllales in light of a paraphyletic Molluginaceae. American Journal of Botany, 2013, 100, 1757-1778.	0.8	29
33	The land plantâ€specific MIXTAâ€MYB lineage is implicated in the early evolution of the plant cuticle and the colonization of land. New Phytologist, 2021, 229, 2324-2338.	3.5	29
34	Floral trait variation and integration as a function of sexual deception in <i>Gorteria diffusa</i>. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130563.	1.8	23
35	Redirecting Primary Metabolism to Boost Production of Tyrosine-Derived Specialised Metabolites in Planta. Scientific Reports, 2018, 8, 17256.	1.6	23
36	How Have Advances in Comparative Floral Development Influenced Our Understanding of Floral Evolution?. International Journal of Plant Sciences, 2015, 176, 307-323.	0.6	22

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37	TTG1 proteins regulate circadian activity as well as epidermal cell fate and pigmentation. Nature Plants, 2019, 5, 1145-1153.	4.7	22
38	An efficient field and laboratory workflow for plant phylotranscriptomic projects. Applications in Plant Sciences, 2017, 5, 1600128.	0.8	21
39	On the disintegration of Molluginaceae: a new genus and family (Kewa, Kewaceae) segregated from Hypertelis, and placement of Macarthuria in Macarthuriaceae. Phytotaxa, 2014, 181, 238.	0.1	19
40	Comparing and contrasting threat assessments of plant species at the global and sub-global level. Biodiversity and Conservation, 2018, 27, 907-930.	1.2	17
41	A mycorrhiza-associated receptor-like kinase with an ancient origin in the green lineage. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
42	MycoRed: Betalain pigments enable in vivo real-time visualisation of arbuscular mycorrhizal colonisation. PLoS Biology, 2021, 19, e3001326.	2.6	11
43	Central Asian wild tulip conservation requires a regional approach, especially in the face of climate change. Biodiversity and Conservation, 2021, 30, 1705-1730.	1.2	9
44	Keep the DNA rolling: Multiple Displacement Amplification of archival plant DNA extracts. Taxon, 2008, 57, 944.	0.4	7
45	The report of anthocyanins in the betalain-pigmented genus Hylocereus is not well evidenced and is not a strong basis to refute the mutual exclusion paradigm. BMC Plant Biology, 2021, 21, 297.	1.6	6
46	Response to Comment on â€œA promiscuous intermediate underlies the evolution of LEAFY DNA binding specificityâ€• Science, 2015, 347, 621-621.	6.0	4
47	Two independently evolved natural mutations additively deregulate TyrA enzymes and boost tyrosine production <i>inâ€‰planta</i>. Plant Journal, 2022, 109, 844-855.	2.8	4
48	Conical petal epidermal cells, regulated by the MYB transcription factor MIXTA, have an ancient origin within the angiosperms. Journal of Experimental Botany, 0, , .	2.4	2
49	Botanic Gardens and Solutions to Global Challenges. , 0, , 166-191.		0