Samuel F Brockington

List of Publications by Year
in descending order

49 papers	8,427 citations	172457 29 h-index	214800 47 g-index
58 all docs	58 docs citations	58 times ranked	9928 citing authors

#	Article	IF	Citations
1	Two independently evolved natural mutations additively deregulate TyrA enzymes and boost tyrosine production <i>inâ€‰planta</i>. Plant Journal, 2022, 109, 844-855.	5.7	4
2	Disentangling Sources of Gene Tree Discordance in Phylogenomic Data Sets: Testing Ancient Hybridizations in Amaranthaceae s.l. Systematic Biology, 2021, 70, 219-235.	5.6	112
3	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.	7.3	29
4	Central Asian wild tulip conservation requires a regional approach, especially in the face of climate change. Biodiversity and Conservation, 2021, 30, 1705-1730.	2.6	9
5	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, .	7.1	15
6	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.	3.6	6
7	MycoRed: Betalain pigments enable in vivo real-time visualisation of arbuscular mycorrhizal colonisation. PLoS Biology, 2021, 19, e3001326.	5.6	11
8	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.	7.3	48
9	TTG1 proteins regulate circadian activity as well as epidermal cell fate and pigmentation. Nature Plants, 2019, 5, 1145-1153.	9.3	22
10	The evolution of betalain biosynthesis in Caryophyllales. New Phytologist, 2019, 224, 71-85.	7.3	101
11	Plastid phylogenomic insights into the evolution of Caryophyllales. Molecular Phylogenetics and Evolution, 2019, 134, 74-86.	2.7	101
12	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.	8.9	55
13	Comparing and contrasting threat assessments of plant species at the global and sub-global level. Biodiversity and Conservation, 2018, 27, 907-930.	2.6	17
14	10KP: A phylodiverse genome sequencing plan. GigaScience, 2018, 7, 1-9.	6.4	169
15	Relaxation of tyrosine pathway regulation underlies the evolution of betalain pigmentation in Caryophyllales. New Phytologist, 2018, 217, 896-908.	7.3	77
16	Improved transcriptome sampling pinpoints 26 ancient and more recent polyploidy events in Caryophyllales, including two allopolyploidy events. New Phytologist, 2018, 217, 855-870.	7.3	85
17	Disparity, diversity, and duplications in the Caryophyllales. New Phytologist, 2018, 217, 836-854.	7.3	51
18	Genome-wide analyses supported by RNA-Seq reveal non-canonical splice sites in plant genomes. BMC Genomics, 2018, 19, 980.	2.8	39

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19	Redirecting Primary Metabolism to Boost Production of Tyrosine-Derived Specialised Metabolites in Planta. Scientific Reports, 2018, 8, 17256.	3.3	23
20	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.	1.7	87
21	An efficient field and laboratory workflow for plant phylotranscriptomic projects. Applications in Plant Sciences, 2017, 5, 1600128.	2.1	21
22	Ex situ conservation of plant diversity in the worldâ€™s botanic gardens. Nature Plants, 2017, 3, 795-802.	9.3	148
23	Widespread paleopolyploidy, gene tree conflict, and recalcitrant relationships among the carnivorous Caryophyllales. American Journal of Botany, 2017, 104, 858-867.	1.7	62
24	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.	1.6	4,625
25	RNA-dependent RNA polymerase 1 in potato (Solanum tuberosum) and its relationship to other plant RNA-dependent RNA polymerases. Scientific Reports, 2016, 6, 23082.	3.3	31
26	Lineageâ€specific gene radiations underlie the evolution of novel betalain pigmentation in Caryophyllales. New Phytologist, 2015, 207, 1170-1180.	7.3	152
27	Response to Comment on â€œA promiscuous intermediate underlies the evolution of LEAFY DNA binding specificityâ€• Science, 2015, 347, 621-621.	12.6	4
28	How Have Advances in Comparative Floral Development Influenced Our Understanding of Floral Evolution?. International Journal of Plant Sciences, 2015, 176, 307-323.	1.3	22
29	Dissecting Molecular Evolution in the Highly Diverse Plant Clade Caryophyllales Using Transcriptome Sequencing. Molecular Biology and Evolution, 2015, 32, 2001-2014.	8.9	198
30	Paralogous Radiations of PIN Proteins with Multiple Origins of Noncanonical PIN Structure. Molecular Biology and Evolution, 2014, 31, 2042-2060.	8.9	111
31	A Promiscuous Intermediate Underlies the Evolution of LEAFY DNA Binding Specificity. Science, 2014, 343, 645-648.	12.6	117
32	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.	4.0	23
33	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.	0.3	19
34	How to spot a flower. New Phytologist, 2013, 197, 687-689.	7.3	33
35	A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. Applications in Plant Sciences, 2013, 1, 1200497.	2.1	99
36	Evolutionary Analysis of the MIXTA Gene Family Highlights Potential Targets for the Study of Cellular Differentiation. Molecular Biology and Evolution, 2013, 30, 526-540.	8.9	61

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37	Androecial evolution in Caryophyllales in light of a paraphyletic Molluginaceae. American Journal of Botany, 2013, 100, 1757-1778.	1.7	29
38	Origin and evolution of petals in angiosperms. Plant Ecology and Evolution, 2013, 146, 5-25.	0.7	58
39	â€˜Living stonesâ€™ reveal alternative petal identity programs within the core eudicots. Plant Journal, 2012, 69, 193-203.	5.7	39
40	Angiosperm phylogeny: 17 genes, 640 taxa. American Journal of Botany, 2011, 98, 704-730.	1.7	590
41	Complex pigment evolution in the Caryophyllales. New Phytologist, 2011, 190, 854-864.	7.3	184
42	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.	1.3	80
43	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.	7.1	68
44	Floral variation and floral genetics in basal angiosperms. American Journal of Botany, 2009, 96, 110-128.	1.7	68
45	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.	1.3	118
46	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.	7.1	382
47	Keep the DNA rolling: Multiple Displacement Amplification of archival plant DNA extracts. Taxon, 2008, 57, 944.	0.7	7
48	Botanic Gardens and Solutions to Global Challenges. , 0, , 166-191.		0
49	Conical petal epidermal cells, regulated by the MYB transcription factor MIXTA, have an ancient origin within the angiosperms. Journal of Experimental Botany, 0, , .	4.8	2