Charles P Scutt

List of Publications by Year
in descending order

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48 papers	1,818 citations	257357 24 h-index	276775 41 g-index
50 all docs	50 docs citations	50 times ranked	1926 citing authors

#	Article	IF	Citations
1	Evolution of the ARF Gene Family in Land Plants: Old Domains, New Tricks. Molecular Biology and Evolution, 2013, 30, 45-56.	3.5	196
2	Intrachromosomal recombination between attP regions as a tool to remove selectable marker genes from tobacco transgenes. Nature Biotechnology, 2000, 18, 442-445.	9.4	151
3	Evidence that CRABS CLAW and TOUSLED have conserved their roles in carpel development since the ancestor of the extant angiosperms. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4649-4654.	3.3	118
4	Evolution of the YABBY gene family in seed plants. Evolution & Development, 2016, 18, 116-126.	1.1	87
5	FILAMENTOUS FLOWER controls lateral organ development by acting as both an activator and a repressor. BMC Plant Biology, 2012, 12, 176.	1.6	80
6	Parallel structural evolution of auxin response factors in the angiosperms. Plant Journal, 2010, 63, 952-959.	2.8	76
7	An evolutionary perspective on the regulation of carpel development. Journal of Experimental Botany, 2006, 57, 2143-2152.	2.4	75
8	Allocation of the epidermis to stomata relates to stomatal physiological control: Stomatal factors involved in the evolutionary diversification of the angiosperms and development of amphistomaty. Environmental and Experimental Botany, 2018, 151, 55-63.	2.0	67
9	A Light-Regulated Genetic Module Was Recruited to Carpel Development in Arabidopsis following a Structural Change to SPATULA. Plant Cell, 2012, 24, 2812-2825.	3.1	66
10	Carpel Development. Advances in Botanical Research, 2010, 55, 1-73.	0.5	65
11	Sex Determination in Dioecious Silene latifolia (Effects of the Y Chromosome and the Parasitic Smut) Tj ETQq1 1 0.784314 rgBT /Ove 114, 969-979.	2.3	57
12	Cloning of PCP1, a member of a family of pollen coat protein (PCP) genes from Brassica oleracea encoding novel cysteine-rich proteins involved in pollen-stigma interactions. Plant Journal, 1996, 10, 303-313.	2.8	54
13	Laser isolation of plant sex chromosomes: studies on the DNA composition of the X and Y sex chromosomes of Silene latifolia. Genome, 1997, 40, 705-715.	0.9	53
14	Functional Conservation between CRABS CLAW Orthologues from Widely Diverged Angiosperms. Annals of Botany, 2007, 100, 651-657.	1.4	49
15	Current trends and future directions in flower development research. Annals of Botany, 2014, 114, 1399-1406.	1.4	45
16	A cDNA encoding an S-locus specific glycoprotein from Brassica oleracea plants containing the S5 self-incompatibility allele. Molecular Genetics and Genomics, 1990, 220, 409-413.	2.4	44
17	An S5 self-incompatibility allele-specific cDNA sequence from Brassica oleracea shows high homology to the SLR2 gene. Molecular Genetics and Genomics, 1992, 232, 240-246.	2.4	38
18	Techniques for the removal of marker genes from transgenic plants. Biochimie, 2002, 84, 1119-1126.	1.3	38

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19	A link between LEAFY and Bâ€gene homologues in Welwitschia mirabilis sheds light on ancestral mechanisms prefiguring floral development. New Phytologist, 2017, 216, 469-481.	3.5	33
20	The Identification of Candidate Genes for a Reverse Genetic Analysis of Development and Function in the Arabidopsis Gynoecium. Plant Physiology, 2003, 132, 653-665.	2.3	31
21	Spatial expression dynamics of Men-9 delineate the third floral whorl in male and female flowers of dioecious Silene latifolia. Plant Journal, 1997, 12, 155-168.	2.8	30
22	The evolutionary-developmental analysis of plant microRNAs. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 469-476.	1.8	30
23	Cabomba as a model for studies of early angiosperm evolution. Annals of Botany, 2011, 108, 589-598.	1.4	30
24	Insights from ANA-grade angiosperms into the early evolution of CUP-SHAPED COTYLEDON genes. Annals of Botany, 2011, 107, 1511-1519.	1.4	30
25	Okadaic acid causes breakdown of self-incompatibility in Brassica oleracea: evidence for the involvement of protein phosphatases in the incompatible response. Sexual Plant Reproduction, 1993, 6, 282.	2.2	25
26	Evidence for the Regulation of Gynoecium Morphogenesis by ETTIN via Cell Wall Dynamics. Plant Physiology, 2018, 178, 1222-1232.	2.3	25
27	Male Specific Genes from Dioecious White Campion Identified by Fluorescent Differential Display. Plant and Cell Physiology, 2002, 43, 563-572.	1.5	21
28	Analysis of members of the Silene latifolia Cys2/His2 zinc-finger transcription factor family during dioecious flower development and in a novel stamen-defective mutant ssf1. Planta, 2005, 220, 559-571.	1.6	19
29	A Conserved Role for the NAM/miR164 Developmental Module Reveals a Common Mechanism Underlying Carpel Margin Fusion in Monocarpous and Syncarpous Eurosids. Frontiers in Plant Science, 2015, 6, 1239.	1.7	19
30	Evidence for the Extensive Conservation of Mechanisms of Ovule Integument Development Since the Most Recent Common Ancestor of Living Angiosperms. Frontiers in Plant Science, 2018, 9, 1352.	1.7	17
31	Transcriptomics of manually isolated Amborella trichopoda egg apparatus cells. Plant Reproduction, 2019, 32, 15-27.	1.3	16
32	The analysis of entire gene promoters by surface plasmon resonance. Plant Journal, 2009, 59, 851-858.	2.8	15
33	The Amborella vacuolar processing enzyme family. Frontiers in Plant Science, 2015, 6, 618.	1.7	14
34	Dioecy inAmborella trichopoda:evidence for genetically based sex determination and its consequences for inferences of the breeding system in early angiosperms. Annals of Botany, 2017, 119, mcw278.	1.4	14
35	The morphophysiological dormancy inAmborella trichopodaseeds is a pleisiomorphic trait in angiosperms. Annals of Botany, 2017, 119, mcw244.	1.4	12
36	The analysis of Gene Regulatory Networks in plant evo-devo. Journal of Experimental Botany, 2016, 67, 2549-2563.	2.4	11

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37	A derived ZW chromosome system in Amborella trichopoda, representing the sister lineage to all other extant flowering plants. New Phytologist, 2022, 233, 1636-1642.	3.5	10
38	The Men-10 cDNA encodes a novel form of proline-rich protein expressed in the tapetum of dioecious Silene latifolia. Sexual Plant Reproduction, 1998, 11, 236-240.	2.2	9
39	The Origin of Angiosperms. , 2018, , 1-20.		9
40	High-Stringency Subtraction for the Identification of Differentially Regulated cDNA Clones. BioTechniques, 1997, 23, 468-474.	0.8	8
41	Morphological and molecular analysis of a double-flowered mutant of the dioecious plant white campion showing both meristic and homeotic effects. , 1999, 25, 267-279.		8
42	Immediate targets of ETTIN suggest a key role for pectin methylesterase inhibitors in the control of Arabidopsis gynecium development. Plant Signaling and Behavior, 2020, 15, 1771937.	1.2	8
43	Differential Screening. , 1997, , 1-22.		6
44	The Evolution of Plant Development: Past, Present and Future: Preface. Annals of Botany, 2007, 100, 599-601.	1.4	4
45	Custom methods to identify conserved genetic modules applied to novel transcriptomic data from Amborella trichopoda. Journal of Experimental Botany, 2022, 73, 2487-2498.	2.4	2
46	The Origin of Angiosperms. , 2021, , 663-682.		1
47	Flowering plants return to the seaâ€¦. Journal of Experimental Botany, 2019, 70, 4591-4593.	2.4	0
48	Molecular approaches to the study of sex determination in dioecious Silene latifolia. , 2004, , 51-71.		0