Annette Becker

List of Articles by Year
in descending order

54 PR articles	3,883 PR citations	152622 29 PR h-index	163917 52 g-index
60 documents	4642 doc citations	164512 30 h-index	5770 citing authors

#	Article	IF	Citations
1	Sexual reproduction in land plants: an evolutionary perspective. Plant Reproduction, 2025, 38, .	2.3	5
2	My favourite flowering image. The brightest orange: California poppy flowers as windows into evolutionary developmental genetics. Journal of Experimental Botany, 2025, 76, 3267-3271.	5.1	1
3	A cornucopia of diversityâ€"<i>Ranunculales</i> as a model lineage. Journal of Experimental Botany, 2024, 75, 1800-1822.	5.1	10
4	Floral morphology and development of <i>Pteridophyllum racemosum</i> Siebold & Zucc. (Papaveraceae). Botany Letters, 2024, 171, 328-336.	1.4	0
5	Conservation of the Restricted Expression of Brassicaceae <i>Bsister</i>-Like Genes in Seeds Requires a Transposable Element in <i>Arabidopsis thaliana</i>. Molecular Biology and Evolution, 2023, 40, .	4.7	3
6	Convergent evolution of plant pattern recognition receptors sensing cysteine-rich patterns from three microbial kingdoms. Nature Communications, 2023, 14, .	13.7	33
7	VIGS Goes Viral: How VIGS Transforms Our Understanding of Plant Science. Annual Review of Plant Biology, 2022, 73, 703-728.	24.5	127
8	Towards a genetic model organism: an efficient method for stable genetic transformation of Eschscholzia californica (Ranunculales). Plant Cell, Tissue and Organ Culture, 2022, 149, 823-832.	2.1	7
9	Dynamic genome evolution in a model fern. Nature Plants, 2022, 8, 1038-1051.	11.4	174
10	Transcriptome analysis reveals major transcriptional changes during regrowth after mowing of red clover (Trifolium pratense). BMC Plant Biology, 2021, 21, .	4.3	16
11	Then There Were Plenty-Ring Meristems Giving Rise to Many Stamen Whorls. Plants, 2021, 10, 1140.	3.7	6
12	Transcriptome analysis of gynoecium morphogenesis uncovers the chronology of gene regulatory network activity. Plant Physiology, 2021, 185, 1076-1090.	5.5	16
13	Transcription Factor Action Orchestrates the Complex Expression Pattern of CRABS CLAW in Arabidopsis. Genes, 2021, 12, 1663.	2.5	9
14	A molecular update on the origin of the carpel. Current Opinion in Plant Biology, 2020, 53, 15-22.	7.2	35
15	A protocol for laser microdissection (LMD) followed by transcriptome analysis of plant reproductive tissue in phylogenetically distant angiosperms. Plant Methods, 2019, 15, .	4.0	15
16	Virus-induced gene silencing: empowering genetics in non-model organisms. Journal of Experimental Botany, 2019, 70, 757-770.	5.1	119
17	Cutting reduces variation in biomass production of forage crops and allows lowâ€performers to catch up: A case study of <i>Trifolium pratense</i> L. (red clover). Plant Biology, 2018, 20, 465-473.	4.2	10
18	Evolutionary diversification of <i>CYC/TB1</i>â€like TCP homologs andÂ their recruitment for the control of branching and floral morphology in Papaveraceae (basal eudicots). New Phytologist, 2018, 220, 317-331.	8.1	33

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19	CRABS CLAW Acts as a Bifunctional Transcription Factor in Flower Development. Frontiers in Plant Science, 2018, 9, .	4.1	83
20	A Dead Gene Walking: Convergent Degeneration of a Clade of MADS-Box Genes in Crucifers. Molecular Biology and Evolution, 2018, , .	4.7	11
21	An Evolutionary Framework for Carpel Developmental Control Genes. Molecular Biology and Evolution, 2017, , msw229.	4.7	20
22	Genetics of flower development in Ranunculales â€" a new, basal eudicot model order for studying flower evolution. New Phytologist, 2017, 216, 361-366.	8.1	49
23	Seed plant specific gene lineages involved in carpel development. Molecular Biology and Evolution, 2017, , msw297.	4.7	44
24	The selective antifungal activity of Drosophila melanogaster metchnikowin reflects the species-dependent inhibition of succinateâ€"coenzyme Q reductase. Scientific Reports, 2017, 7, .	3.4	34
25	The MADS Box Genes ABS, SHP1, and SHP2 Are Essential for the Coordination of Cell Divisions in Ovule and Seed Coat Development and for Endosperm Formation in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0165075.	2.3	72
26	Tinkering with transcription factor networks for developmental robustness of Ranunculales flowers. Annals of Botany, 2016, 117, 845-858.	3.1	10
27	Arabidopsis flower developmentâ€"of protein complexes, targets, and transport. Protoplasma, 2015, 253, 219-230.	2.2	19
28	<i>N</i>-Acyl-Homoserine Lactone Primes Plants for Cell Wall Reinforcement and Induces Resistance to Bacterial Pathogens via the Salicylic Acid/Oxylipin Pathway. Plant Cell, 2014, 26, 2708-2723.	7.6	187
29	Analysis of the floral transcriptome of Tarenaya hassleriana (Cleomaceae), a member of the sister group to the Brassicaceae: towards understanding the base of morphological diversity in Brassicales. BMC Genomics, 2014, 15, 140.	3.3	13
30	Duplicated STM-like KNOX I genes act in floral meristem activity in Eschscholzia californica (Papaveraceae). Development Genes and Evolution, 2013, 223, 289-301.	0.8	11
31	The<i>seirena</i>B Class Floral Homeotic Mutant of California Poppy (<i>Eschscholzia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 MADS Domain Protein Complexes Â Â. Plant Cell, 2013, 25, 438-453.	7.6	57
32	The <i>Tarenaya hassleriana</i> Genome Provides Insight into Reproductive Trait and Genome Evolution of Crucifers Â. Plant Cell, 2013, 25, 2813-2830.	7.6	114
33	Live and Let Die - The Bsister MADS-Box Gene OsMADS29 Controls the Degeneration of Cells in Maternal Tissues during Seed Development of Rice (Oryza sativa). PLoS ONE, 2012, 7, e51435.	2.3	86
34	<i>Sporisorium reilianum</i>Infection Changes Inflorescence and Branching Architectures of Maize Â Â Â. Plant Physiology, 2011, 156, 2037-2052.	5.5	107
35	The evolution of flower development: current understanding and future challenges. Annals of Botany, 2011, 107, 1427-1431.	3.1	24
36	Heteroblastyâ€"A Review. Botanical Review, The, 2011, 77, 109-151.	2.4	194

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37	Expression divergence of the AGL6 MADS domain transcription factor lineage after a core eudicot duplication suggests functional diversification. BMC Plant Biology, 2010, 10, 148.	4.3	30
38	GORDITA (AGL63) is a young paralog of the Arabidopsis thaliana Bsister MADS box gene ABS (TT16) that has undergone neofunctionalization. Plant Journal, 2010, 63, 914-924.	6.2	51
39	Floral homeotic C function genes repress specific B function genes in the carpel whorl of the basal eudicot California poppy (Eschscholzia californica). EvoDevo, 2010, 1, .	3.3	62
40	VIGS â€“ genomics goes functional. Trends in Plant Science, 2010, 15, 1-4.	11.6	217
41	A comparative approach to the principal mechanisms of different memory systems. Die Naturwissenschaften, 2009, 96, 1373-1384.	1.6	14
42	The <i>CRABS CLAW</i> ortholog from California poppy (<i>Eschscholzia californica,</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td ovule initiation. Plant Journal, 2009, 58, 682-693.	6.2	99
43	Highly Efficient Virus-induced Gene Silencing (VIGS) in California Poppy (Eschscholzia californica): An Evaluation of VIGS as a Strategy to Obtain Functional Data from Non-model Plants. Annals of Botany, 2007, 100, 641-649.	3.1	122
44	Conservation and divergence in the AGAMOUS subfamily of MADS-box genes: evidence of independent sub- and neofunctionalization events. Evolution & Development, 2006, 8, 30-45.	1.8	178
45	Petaloidy and petal identity MADSâ€box genes in the balsaminoid genera <i>Impatiens</i> and <i>Marcgravia</i>. Plant Journal, 2006, 47, 501-518.	6.2	59
46	EST database for early flower development in California poppy (Eschscholzia californica Cham.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	3.2	38
47	Floral and Vegetative Morphogenesis in California Poppy (Eschscholzia californica Cham.). International Journal of Plant Sciences, 2005, 166, 537-555.	1.4	65
48	Gymnosperm Orthologues of Class B Floral Homeotic Genes and Their Impact on Understanding Flower Origin. Critical Reviews in Plant Sciences, 2004, 23, 129-148.	5.4	62
49	Distinct MADS-box gene expression patterns in the reproductive cones of the gymnosperm Gnetum gnemon. Development Genes and Evolution, 2003, 213, 567-572.	0.8	51
50	The major clades of MADS-box genes and their role in the development and evolution of flowering plants. Molecular Phylogenetics and Evolution, 2003, 29, 464-489.	2.8	942
51	Ancestry and diversity of BEL1 -like homeobox genes revealed by gymnosperm (Gnetum gnemon) homologs. Development Genes and Evolution, 2002, 212, 452-457.	0.8	43
52	MADS-Box Gene Diversity in Seed Plants 300 Million Years Ago. Molecular Biology and Evolution, 2000, 17, 1425-1434.	4.7	153
53	Title is missing!. Plant Molecular Biology, 2000, 42, 115-149.	3.2	655
54	MADS-box genes reveal that gnetophytes are more closely related to conifers than to flowering plants. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7342-7347.	7.5	289