Barbara A Ambrose

List of Publications by Year
in descending order

49 papers	3,197 citations	361413 20 h-index	223800 46 g-index
57 all docs	57 docs citations	57 times ranked	3763 citing authors

#	Article	IF	Citations
1	Evolution and expression of LEAFY genes in ferns and lycophytes. EvoDevo, 2022, 13, 2.	3.2	8
2	Selection on the gametophyte: Modeling alternation of generations in plants. Applications in Plant Sciences, 2022, 10, e11472.	2.1	7
3	Fleshy or dry: transcriptome analyses reveal the genetic mechanisms underlying bract development in Ephedra. EvoDevo, 2022, 13, 10.	3.2	1
4	Flower development in Fedia graciliflora and Valerianella locusta (Valerianaceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2021, 275, 151754.	1.2	1
5	The Evolution of <i>euAPETALA2</i> Genes in Vascular Plants: From Plesiomorphic Roles in Sporangia to Acquired Functions in Ovules and Fruits. Molecular Biology and Evolution, 2021, 38, 2319-2336.	8.9	13
6	Gene expression underlying floral epidermal specialization in <i>Aristolochia fimbriata</i> (Aristolochiaceae). Annals of Botany, 2021, 127, 749-764.	2.9	5
7	All type II classic MADSâ€box genes in the lycophyte <i>Selaginella moellendorffii</i> are broadly yet discretely expressed in vegetative and reproductive tissues. Evolution & Development, 2021, 23, 215-230.	2.0	6
8	Deciphering the evolution of the ovule genetic network through expression analyses in <i>Gnetum gnemon</i>. Annals of Botany, 2021, 128, 217-230.	2.9	7
9	Genetic Interaction of SEEDSTICK, GORDITA and AUXIN RESPONSE FACTOR 2 during Seed Development. Genes, 2021, 12, 1189.	2.4	8
10	<i>R2R3-MYB</i>Gene Evolution in Plants, Incorporating Ferns into the Story. International Journal of Plant Sciences, 2021, 182, 1-8.	1.3	6
11	Expression analyses in Ginkgo biloba provide new insights into the evolution and development of the seed. Scientific Reports, 2021, 11, 21995.	3.3	8
12	The Herbarium 2021 Halfâ€“Earth Challenge Dataset and Machine Learning Competition. Frontiers in Plant Science, 2021, 12, 787127.	3.6	1
13	Simple and Divided Leaves in Ferns: Exploring the Genetic Basis for Leaf Morphology Differences in the Genus Elaphoglossum (Dryopteridaceae). International Journal of Molecular Sciences, 2020, 21, 5180.	4.1	13
14	Evolution of Class II <i>TCP</i> genes in perianth bearing Piperales and their contribution to the bilateral calyx in <i>Aristolochia</i>. New Phytologist, 2020, 228, 752-769.	7.3	10
15	Phylogenetic analyses of key developmental genes provide insight into the complex evolution of seeds. Molecular Phylogenetics and Evolution, 2020, 147, 106778.	2.7	8
16	An algorithm competition for automatic species identification from herbarium specimens. Applications in Plant Sciences, 2020, 8, e11365.	2.1	21
17	Class I KNOX Is Related to Determinacy during the Leaf Development of the Fern Mickelia scandens (Dryopteridaceae). International Journal of Molecular Sciences, 2020, 21, 4295.	4.1	16
18	The Evolution of the KANADI Gene Family and Leaf Development in Lycophytes and Ferns. Plants, 2019, 8, 313.	3.5	30

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19	Genetic mechanisms underlying perianth epidermal elaboration of Aristolochia ringens Vahl (Aristolochiaceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2019, 253, 56-66.	1.2	9
20	Floral MADSâ€box protein interactions in the early diverging angiosperm <i>Aristolochia fimbriata</i> Cham. (Aristolochiaceae: Piperales). Evolution & Development, 2019, 21, 96-110.	2.0	13
21	Duplication and Diversification of REPLUMLESS â€" A Case Study in the Papaveraceae. Frontiers in Plant Science, 2018, 9, 1833.	3.6	10
22	Deep into the Aristolochia Flower: Expression of C, D, and Eâ€Class Genes in <i>Aristolochia fimbriata</i> (Aristolochiaceae). Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 55-71.	1.3	9
23	Bringing the multicellular fern meristem into focus. New Phytologist, 2016, 210, 790-793.	7.3	29
24	Challenging the paradigms of leaf evolution: Class III HDâ€Zips in ferns and lycophytes. New Phytologist, 2016, 212, 745-758.	7.3	55
25	Flower Development and Perianth Identity Candidate Genes in the Basal Angiosperm Aristolochia fimbriata (Piperales: Aristolochiaceae). Frontiers in Plant Science, 2015, 6, 1095.	3.6	32
26	Divided Leaves in the genus <I>Elaphoglossum</I> (Dryopteridaceae): A Phylogeny of <I>Elaphoglossum</I> section <I>Squamipedia</I>. Systematic Botany, 2015, 40, 46-55.	0.5	16
27	Evolution of fruit development genes in flowering plants. Frontiers in Plant Science, 2014, 5, 300.	3.6	74
28	The Architectural Complexity of Crown Bud Clusters in Gentian: Anatomy, Ontogeny, and Origin. Journal of the American Society for Horticultural Science, 2014, 139, 13-21.	1.0	4
29	The evolution, morphology, and development of fern leaves. Frontiers in Plant Science, 2013, 4, 345.	3.6	92
30	Anatomical investigations determining the origin of crown buds on the transition zone of gentians. New Zealand Journal of Botany, 2013, 51, 264-274.	1.1	4
31	Selaginella Genome Analysis â€" Entering the â€œHomoplasy Heavenâ€• of the MADS World. Frontiers in Plant Science, 2012, 3, 214.	3.6	31
32	Poppy<i>APETALA1/FRUITFULL</i>Orthologs Control Flowering Time, Branching, Perianth Identity, and Fruit Development Â Â. Plant Physiology, 2012, 158, 1685-1704.	4.8	100
33	Foreword: A Festschrift on the occasion of Dennis Wm. Stevensonâ€™s 70th birthday. Botanical Review, The, 2012, 78, 307-309.	3.9	1
34	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
35	The Arabidopsis B-sister MADS-box protein, GORDITA, represses fruit growth and contributes to integument development. Plant Journal, 2010, 62, 203-214.	5.7	62
36	Shaping up the fruit. Plant Signaling and Behavior, 2010, 5, 899-902.	2.4	15

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37	Disruption of Signaling in a Fungal-Grass Symbiosis Leads to Pathogenesis Â Â. Plant Physiology, 2010, 153, 1780-1794.	4.8	121
38	B-Function Expression in the Flower Center Underlies the Homeotic Phenotype of<i>Lacandonia schismatica</i>(Triuridaceae) Â Â. Plant Cell, 2010, 22, 3543-3559.	6.6	49
39	Transcriptome Analysis of Proliferating Arabidopsis Endosperm Reveals Biological Implications for the Control of Syncytial Division, Cytokinin Signaling, and Gene Expression Regulation Â Â. Plant Physiology, 2008, 148, 1964-1984.	4.8	134
40	Patterns of Expression of a Lolitrem Biosynthetic Gene in the <i>EpichloÃ« festucae</i>â€“Perennial Ryegrass Symbiosis. Molecular Plant-Microbe Interactions, 2008, 21, 188-197.	2.6	19
41	Comparative developmental series of the Mexican triurids support a euanthial interpretation for the unusual reproductive axes of <i>Lacandonia schismatica</i> (Triuridaceae). American Journal of Botany, 2006, 93, 15-35.	1.7	37
42	Conservation of B-class floral homeotic gene function between maize and Arabidopsis. Development (Cambridge), 2004, 131, 6083-6091.	2.5	205
43	Insideâ€Out Flowers Characteristic of Lacandonia schismatica Evolved at Least before Its Divergence from a Closely Related Taxon, Triuris brevistylis. International Journal of Plant Sciences, 2003, 164, 345-357.	1.3	30
44	Duplicate FLORICAULA/LEAFY homologs zfl1 and zfl2 control inflorescence architecture and flower patterning in maize. Development (Cambridge), 2003, 130, 2385-2395.	2.5	222
45	Molecular and Genetic Analyses of the Silky1 Gene Reveal Conservation in Floral Organ Specification between Eudicots and Monocots. Molecular Cell, 2000, 5, 569-579.	9.7	437
46	The blooming of grass flower development. Current Opinion in Plant Biology, 1998, 1, 60-67.	7.1	92
47	Diversification of C-Function Activity in Maize Flower Development. Science, 1996, 274, 1537-1540.	12.6	293
48	What Is a Fruit?. Frontiers for Young Minds, 0, 8, .	0.8	3
49	Tracking Ancestral Flowering Integrators: Evolution and Expression of <i>PEBP</i> Genes in Lycophytes and Ferns. International Journal of Plant Sciences, 0, , 000-000.	1.3	0