

Amy M Brunner

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Functional Diversification of Populus FLOWERING LOCUS D-LIKE3 Transcription Factor and Two Paralogs in Shoot Ontogeny, Flowering, and Vegetative Phenology. <i>Frontiers in Plant Science</i> , 2022, 13, 805101.	3.6	6
2	Synergies and Entanglement in Secondary Cell Wall Development and Abiotic Stress Response in Trees. <i>Frontiers in Plant Science</i> , 2021, 12, 639769.	3.6	4
3	Overexpression of SHORT VEGETATIVE PHASE-LIKE (SVL) in Populus delays onset and reduces abundance of flowering in field-grown trees. <i>Horticulture Research</i> , 2021, 8, 167.	6.3	14
4	To grow or not to grow: new roles for a conserved regulon in tree phenology. <i>New Phytologist</i> , 2021, 232, 2225-2227.	7.3	0
5	RNAi of AGAMOUS genes in sweetgum alters reproductive organ identity and decreases fruit persistence. <i>Plant Direct</i> , 2020, 4, e00225.	1.9	5
6	Populus trichocarpa clade A PP2C protein phosphatases: their stress-induced expression patterns, interactions in core abscisic acid signaling, and potential for regulation of growth and development. <i>Plant Molecular Biology</i> , 2019, 100, 303-317.	3.9	17
7	<sc>RNA</sc> interference suppression of <i><sc>AGAMOUS</sc></i> and <i><sc>SEEDSTICK</sc></i> alters floral organ identity and impairs floral organ determinacy, ovule differentiation, and seedâ€hair development in <i>Populus</i>. <i>New Phytologist</i> , 2019, 222, 923-937.	7.3	24
8	Activity of the shoot apical and cambial meristems: Coordination and responses to environmental signals. <i>Advances in Botanical Research</i> , 2019, 89, 185-199.	1.1	5
9	DIVARICATA AND RADIALIS INTERACTING FACTOR (DRIF) also interacts with WOX and KNOX proteins associated with wood formation in <i>Populus trichocarpa</i>. <i>Plant Journal</i> , 2018, 93, 1076-1087.	5.7	25
10	Identification of new proteinâ€protein and proteinâ€DNA interactions linked with wood formation in Populus trichocarpa. <i>Tree Physiology</i> , 2018, 38, 362-377.	3.1	17
11	Strategies for Engineering Reproductive Sterility in Plantation Forests. <i>Frontiers in Plant Science</i> , 2018, 9, 1671.	3.6	13
12	Phase Change and Phenology in Trees. <i>Plant Genetics and Genomics: Crops and Models</i> , 2017, , 227-274.	0.3	22
13	An assessment of potential of hybrid poplar for planting in the Virginia Piedmont. <i>New Forests</i> , 2017, 48, 479-490.	1.7	2
14	XYLEM NAC DOMAIN1, an angiosperm NAC transcription factor, inhibits xylem differentiation through conserved motifs that interact with RETINOBLASTOMAâ€RELATED. <i>New Phytologist</i> , 2017, 216, 76-89.	7.3	33
15	Transgenic Suppression of AGAMOUS Genes in Apple Reduces Fertility and Increases Floral Attractiveness. <i>PLoS ONE</i> , 2016, 11, e0159421.	2.5	28
16	Containment of transgenic trees by suppression of LEAFY. <i>Nature Biotechnology</i> , 2016, 34, 918-922.	17.5	46
17	A metabolomic assessment of NAC154 transcription factor overexpression in field grown poplar stem wood. <i>Phytochemistry</i> , 2015, 115, 112-120.	2.9	12
18	Instability of the Arabidopsis mutant csn5a-2 caused by epigenetic modification of intronic T-DNA. <i>Plant Science</i> , 2015, 238, 53-63.	3.6	4

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19	Vernalization and the chilling requirement to exit bud dormancy: shared or separate regulation?. <i>Frontiers in Plant Science</i> , 2014, 5, 732.	3.6	71
20	Population genomics of <i>Populus trichocarpa</i> identifies signatures of selection and adaptive trait associations. <i>Nature Genetics</i> , 2014, 46, 1089-1096.	21.4	330
21	Contrasting patterns of evolution following whole genome versus tandem duplication events in <i>Populus</i> . <i>Genome Research</i> , 2012, 22, 95-105.	5.5	126
22	<i>FLOWERING LOCUS T</i> duplication coordinates reproductive and vegetative growth in perennial poplar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10756-10761.	7.1	370
23	Characterization of NAC domain transcription factors implicated in control of vascular cell differentiation in <i>Arabidopsis</i> and <i>Populus</i> . <i>Planta</i> , 2010, 232, 337-352.	3.2	92
24	Genome-wide transcriptome analysis of the transition from primary to secondary stem development in <i>Populus trichocarpa</i> . <i>BMC Genomics</i> , 2010, 11, 150.	2.8	114
25	<i>Populus</i> CEN/TFL1 regulates first onset of flowering, axillary meristem identity and dormancy release in <i>Populus</i> . <i>Plant Journal</i> , 2010, 62, 674-688.	5.7	197
26	Efficient and stable transgene suppression via RNAi in field-grown poplars. <i>Transgenic Research</i> , 2008, 17, 679-694.	2.4	37
27	Genes for control of plant stature and form. <i>New Phytologist</i> , 2008, 177, 589-607.	7.3	140
28	Matrix attachment region elements have small and variable effects on transgene expression and stability in field-grown <i>Populus</i> . <i>Plant Biotechnology Journal</i> , 2008, 6, 887-896.	8.3	30
29	Efficiency of gene silencing in <i>Arabidopsis</i> : direct inverted repeats vs. transitive RNAi vectors. <i>Plant Biotechnology Journal</i> , 2007, 5, 615-626.	8.3	23
30	Genome-wide analysis of Aux/IAA and ARF gene families in <i>Populus trichocarpa</i> . <i>BMC Plant Biology</i> , 2007, 7, 59.	3.6	218
31	Genetic containment of forest plantations. <i>Tree Genetics and Genomes</i> , 2007, 3, 75-100.	1.6	112
32	CO/FT Regulatory Module Controls Timing of Flowering and Seasonal Growth Cessation in Trees. <i>Science</i> , 2006, 312, 1040-1043.	12.6	904
33	Field trial detects incomplete barstar attenuation of vegetative cytotoxicity in <i>Populus</i> trees containing a poplar LEAFY promoter::barnase sterility transgene. <i>Molecular Breeding</i> , 2006, 19, 69-85.	2.1	48
34	Genetic transformation: a powerful tool for dissection of adaptive traits in trees. <i>New Phytologist</i> , 2005, 167, 9-18.	7.3	65
35	An evolving approach to understanding plant adaptation. <i>New Phytologist</i> , 2005, 167, 1-5.	7.3	26
36	A <i>Populus</i> EST resource for plant functional genomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13951-13956.	7.1	278

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37	Revisiting tree maturation and floral initiation in the poplar functional genomics era. <i>New Phytologist</i> , 2004, 164, 43-51.	7.3	88
38	Validating internal controls for quantitative plant gene expression studies. <i>BMC Plant Biology</i> , 2004, 4, 14.	3.6	481
39	Poplar genome sequence: functional genomics in an ecologically dominant plant species. <i>Trends in Plant Science</i> , 2004, 9, 49-56.	8.8	281
40	Forestry's fertile crescent: the application of biotechnology to forest trees. <i>Plant Biotechnology Journal</i> , 2003, 1, 141-154.	8.3	96
41	Modification of Flowering in Transgenic Trees. <i>Progress in Biotechnology</i> , 2001, 18, 247-256.	0.2	12
42	Diverse effects of overexpression of LEAFY and PTLF, a poplar (<i>Populus</i>) homolog of LEAFY/FLORICAULA, in transgenic poplar and <i>Arabidopsis</i> . <i>Plant Journal</i> , 2000, 22, 235-245.	5.7	212
43	Structure and expression of duplicate AGAMOUS orthologues in poplar. <i>Plant Molecular Biology</i> , 2000, 44, 619-634.	3.9	88
44	A DEFICIENS Homolog from the Dioecious Tree Black Cottonwood Is Expressed in Female and Male Floral Meristems of the Two-Whorled, Unisexual Flowers. <i>Plant Physiology</i> , 2000, 124, 627-640.	4.8	56
45	Environmental effects of genetically engineered woody biomass crops. <i>Biomass and Bioenergy</i> , 1998, 14, 403-414.	5.7	62
46	Genetic engineering of reproductive sterility in forest trees. <i>Molecular Breeding</i> , 1995, 1, 5-26.	2.1	135
47	Analysis of Proteolytic Cleavage of Recombinant TGF- β 1: Production of Hybrid Molecules with Increased Processing Efficiency. <i>Annals of the New York Academy of Sciences</i> , 1990, 593, 7-25.	3.8	11
48	Transforming Growth Factor β 1: Importance of Glycosylation and Acidic Proteases for Processing and Secretion. <i>Molecular Endocrinology</i> , 1989, 3, 1090-1098.	3.7	68