

Amy M Brunner

List of Publications by Year in descending order

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48
papers

5,058
citations

201674

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docs citations

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times ranked

5070
citing authors

#	ARTICLE	IF	CITATIONS
1	CO/FT Regulatory Module Controls Timing of Flowering and Seasonal Growth Cessation in Trees. <i>Science</i> , 2006, 312, 1040-1043.	12.6	904
2	Validating internal controls for quantitative plant gene expression studies. <i>BMC Plant Biology</i> , 2004, 4, 14.	3.6	481
3	<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
4	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
5	Poplar genome sequence: functional genomics in an ecologically dominant plant species. <i>Trends in Plant Science</i> , 2004, 9, 49-56.	8.8	281
6	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
7	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
8	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
9	<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
10	Genes for control of plant stature and form. <i>New Phytologist</i> , 2008, 177, 589-607.	7.3	140
11	Genetic engineering of reproductive sterility in forest trees. <i>Molecular Breeding</i> , 1995, 1, 5-26.	2.1	135
12	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
13	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
14	Genetic containment of forest plantations. <i>Tree Genetics and Genomes</i> , 2007, 3, 75-100.	1.6	112
15	Forestry's fertile crescent: the application of biotechnology to forest trees. <i>Plant Biotechnology Journal</i> , 2003, 1, 141-154.	8.3	96
16	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
17	Structure and expression of duplicate AGAMOUS orthologues in poplar. <i>Plant Molecular Biology</i> , 2000, 44, 619-634.	3.9	88
18	Revisiting tree maturation and floral initiation in the poplar functional genomics era. <i>New Phytologist</i> , 2004, 164, 43-51.	7.3	88

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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	Transforming Growth Factor β 21: Importance of Glycosylation and Acidic Proteases for Processing and Secretion. <i>Molecular Endocrinology</i> , 1989, 3, 1090-1098.	3.7	68
21	Genetic transformation: a powerful tool for dissection of adaptive traits in trees. <i>New Phytologist</i> , 2005, 167, 9-18.	7.3	65
22	Environmental effects of genetically engineered woody biomass crops. <i>Biomass and Bioenergy</i> , 1998, 14, 403-414.	5.7	62
23	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
24	Field trial detects incomplete barstar attenuation of vegetative cytotoxicity in <i>Populus</i> trees containing a poplar LEAFY promoter::barstar sterility transgene. <i>Molecular Breeding</i> , 2006, 19, 69-85.	2.1	48
25	Containment of transgenic trees by suppression of LEAFY. <i>Nature Biotechnology</i> , 2016, 34, 918-922.	17.5	46
26	Efficient and stable transgene suppression via RNAi in field-grown poplars. <i>Transgenic Research</i> , 2008, 17, 679-694.	2.4	37
27	XYLEM NAC DOMAIN1, an angiosperm NAC transcription factor, inhibits xylem differentiation through conserved motifs that interact with RETINOBLASTOMA-RELATED. <i>New Phytologist</i> , 2017, 216, 76-89.	7.3	33
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	Transgenic Suppression of AGAMOUS Genes in Apple Reduces Fertility and Increases Floral Attractiveness. <i>PLoS ONE</i> , 2016, 11, e0159421.	2.5	28
30	An evolving approach to understanding plant adaptation. <i>New Phytologist</i> , 2005, 167, 1-5.	7.3	26
31	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
32	RNA interference suppression of AGAMOUS and SEEDSTICK alters floral organ identity and impairs floral organ determinacy, ovule differentiation, and seed-chair development in <i>Populus</i> . <i>New Phytologist</i> , 2019, 222, 923-937.	7.3	24
33	Efficiency of gene silencing in Arabidopsis: direct inverted repeats vs. transitive RNAi vectors. <i>Plant Biotechnology Journal</i> , 2007, 5, 615-626.	8.3	23
34	Phase Change and Phenology in Trees. <i>Plant Genetics and Genomics: Crops and Models</i> , 2017, , 227-274.	0.3	22
35	Identification of new protein-protein and protein-DNA interactions linked with wood formation in <i>Populus trichocarpa</i> . <i>Tree Physiology</i> , 2018, 38, 362-377.	3.1	17
36	<i>Populus trichocarpa</i> 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

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37	Overexpression of SHORT VEGETATIVE PHASE-LIKE (SVL) in Populus delays onset and reduces abundance of flowering in field-grown trees. Horticulture Research, 2021, 8, 167.	6.3	14
38	Strategies for Engineering Reproductive Sterility in Plantation Forests. Frontiers in Plant Science, 2018, 9, 1671.	3.6	13
39	Modification of Flowering in Transgenic Trees. Progress in Biotechnology, 2001, 18, 247-256.	0.2	12
40	A metabolomic assessment of NAC154 transcription factor overexpression in field grown poplar stem wood. Phytochemistry, 2015, 115, 112-120.	2.9	12
41	Analysis of Proteolytic Cleavage of Recombinant TGF- β 1: Production of Hybrid Molecules with Increased Processing Efficiency. Annals of the New York Academy of Sciences, 1990, 593, 7-25.	3.8	11
42	Functional Diversification of Populus FLOWERING LOCUS D-LIKE3 Transcription Factor and Two Paralogs in Shoot Ontogeny, Flowering, and Vegetative Phenology. Frontiers in Plant Science, 2022, 13, 805101.	3.6	6
43	Activity of the shoot apical and cambial meristems: Coordination and responses to environmental signals. Advances in Botanical Research, 2019, 89, 185-199.	1.1	5
44	RNAi of AGAMOUS genes in sweetgum alters reproductive organ identity and decreases fruit persistence. Plant Direct, 2020, 4, e00225.	1.9	5
45	Instability of the Arabidopsis mutant csn5a-2 caused by epigenetic modification of intronic T-DNA. Plant Science, 2015, 238, 53-63.	3.6	4
46	Synergies and Entanglement in Secondary Cell Wall Development and Abiotic Stress Response in Trees. Frontiers in Plant Science, 2021, 12, 639769.	3.6	4
47	An assessment of potential of hybrid poplar for planting in the Virginia Piedmont. New Forests, 2017, 48, 479-490.	1.7	2
48	To grow or not to grow: new roles for a conserved regulon in tree phenology. New Phytologist, 2021, 232, 2225-2227.	7.3	0