

Richard M Amasino

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103
papers

15,105
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61
h-index

122
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154
ext. papers

17,297
ext. citations

9.7
avg, IF

6.75
L-index

#	Paper	IF	Citations
103	FLOWERING LOCUS C encodes a novel MADS domain protein that acts as a repressor of flowering. <i>Plant Cell</i> , 1999 , 11, 949-56	11.6	1471
102	Molecular analysis of FRIGIDA, a major determinant of natural variation in Arabidopsis flowering time. <i>Science</i> , 2000 , 290, 344-7	33.3	793
101	Vernalization in Arabidopsis thaliana is mediated by the PHD finger protein VIN3. <i>Nature</i> , 2004 , 427, 159-64	50.4	649
100	Seasonal and developmental timing of flowering. <i>Plant Journal</i> , 2010 , 61, 1001-13	6.9	591
99	A comparison of the expression patterns of several senescence-associated genes in response to stress and hormone treatment. <i>Plant Molecular Biology</i> , 1998 , 37, 455-69	4.6	464
98	Loss of FLOWERING LOCUS C activity eliminates the late-flowering phenotype of FRIGIDA and autonomous pathway mutations but not responsiveness to vernalization. <i>Plant Cell</i> , 2001 , 13, 935-41	11.6	441
97	Vernalization: winter and the timing of flowering in plants. <i>Annual Review of Cell and Developmental Biology</i> , 2009 , 25, 277-99	12.6	411
96	Regulation of flowering time by histone acetylation in Arabidopsis. <i>Science</i> , 2003 , 302, 1751-4	33.3	385
95	Molecular analysis of natural leaf senescence in Arabidopsis thaliana. <i>Physiologia Plantarum</i> , 1994 , 92, 322-328	4.6	384
94	The ELF4 gene controls circadian rhythms and flowering time in Arabidopsis thaliana. <i>Nature</i> , 2002 , 419, 74-7	50.4	376
93	Overexpression of a novel class of gibberellin 2-oxidases decreases gibberellin levels and creates dwarf plants. <i>Plant Cell</i> , 2003 , 15, 151-63	11.6	282
92	Attenuation of FLOWERING LOCUS C activity as a mechanism for the evolution of summer-annual flowering behavior in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10102-7	11.5	282
91	Identification of a promoter region responsible for the senescence-specific expression of SAG12. <i>Plant Molecular Biology</i> , 1999 , 41, 181-94	4.6	267
90	Epigenetic maintenance of the vernalized state in Arabidopsis thaliana requires LIKE HETEROCHROMATIN PROTEIN 1. <i>Nature Genetics</i> , 2006 , 38, 706-10	36.3	257
89	Integration of flowering signals in winter-annual Arabidopsis. <i>Plant Physiology</i> , 2005 , 137, 149-56	6.6	237
88	The late-flowering phenotype of FRIGIDA and mutations in LUMINIDEPENDENS is suppressed in the Landsberg erecta strain of Arabidopsis. <i>Plant Journal</i> , 1994 , 6, 903-909	6.9	232
87	The timing of flowering. <i>Plant Physiology</i> , 2010 , 154, 516-20	6.6	231

86	Vernalization and epigenetics: how plants remember winter. <i>Current Opinion in Plant Biology</i> , 2004 , 7, 4-10	9.9	230
85	Role of chromatin modification in flowering-time control. <i>Trends in Plant Science</i> , 2005 , 10, 30-5	13.1	229
84	PAF1-complex-mediated histone methylation of FLOWERING LOCUS C chromatin is required for the vernalization-responsive, winter-annual habit in Arabidopsis. <i>Genes and Development</i> , 2004 , 18, 2774-84	13.6	228
83	AGL24 acts as a promoter of flowering in Arabidopsis and is positively regulated by vernalization. <i>Plant Journal</i> , 2003 , 33, 867-74	6.9	224
82	Senescence Is Induced in Individually Darkened Arabidopsis Leaves, but Inhibited in Whole Darkened Plants. <i>Plant Physiology</i> , 2001 , 127, 876-886	6.6	216
81	Diverse range of gene activity during Arabidopsis thaliana leaf senescence includes pathogen-independent induction of defense-related genes. <i>Plant Molecular Biology</i> , 1999 , 40, 267-78	4.6	216
80	PIE1, an ISWI family gene, is required for FLC activation and floral repression in Arabidopsis. <i>Plant Cell</i> , 2003 , 15, 1671-82	11.6	211
79	Divergent roles of a pair of homologous jumonji/zinc-finger-class transcription factor proteins in the regulation of Arabidopsis flowering time. <i>Plant Cell</i> , 2004 , 16, 2601-13	11.6	210
78	Major flowering time gene, flowering locus C, regulates seed germination in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11661-6	11.5	209
77	Remembering winter: toward a molecular understanding of vernalization. <i>Annual Review of Plant Biology</i> , 2005 , 56, 491-508	30.7	200
76	Identification of a MADS-box gene, FLOWERING LOCUS M, that represses flowering. <i>Plant Journal</i> , 2001 , 26, 229-36	6.9	200
75	FPA, a Gene Involved in Floral Induction in Arabidopsis, Encodes a Protein Containing RNA-Recognition Motifs. <i>Plant Cell</i> , 2001 , 13, 1427-1436	11.6	183
74	The Arabidopsis knockout facility at the University of Wisconsin-Madison. <i>Plant Physiology</i> , 2000 , 124, 1465-7	6.6	181
73	Identification of a functional homolog of the yeast copper homeostasis gene ATX1 from Arabidopsis. <i>Plant Physiology</i> , 1998 , 117, 1227-34	6.6	175
72	Arabidopsis relatives of the human lysine-specific Demethylase1 repress the expression of FWA and FLOWERING LOCUS C and thus promote the floral transition. <i>Plant Cell</i> , 2007 , 19, 2975-87	11.6	172
71	Establishment of the vernalization-responsive, winter-annual habit in Arabidopsis requires a putative histone H3 methyl transferase. <i>Plant Cell</i> , 2005 , 17, 3301-10	11.6	170
70	Extensive gene content variation in the Brachypodium distachyon pan-genome correlates with population structure. <i>Nature Communications</i> , 2017 , 8, 2184	17.4	168
69	Vernalization, competence, and the epigenetic memory of winter. <i>Plant Cell</i> , 2004 , 16, 2553-9	11.6	167

68	A robust method for detecting single-nucleotide changes as polymorphic markers by PCR. <i>Plant Journal</i> , 1998 , 14, 381-5	6.9	164
67	A PHD finger protein involved in both the vernalization and photoperiod pathways in Arabidopsis. <i>Genes and Development</i> , 2006 , 20, 3244-8	12.6	161
66	Markers for hypersensitive response and senescence show distinct patterns of expression. <i>Plant Molecular Biology</i> , 1999 , 39, 1243-55	4.6	160
65	Natural allelic variation identifies new genes in the Arabidopsis circadian system. <i>Plant Journal</i> , 1999 , 20, 67-77	6.9	158
64	ARABIDOPSIS TRITHORAX-RELATED7 is required for methylation of lysine 4 of histone H3 and for transcriptional activation of FLOWERING LOCUS C. <i>Plant Cell</i> , 2009 , 21, 3257-69	11.6	149
63	FRIGIDA-related genes are required for the winter-annual habit in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 3281-5	11.5	125
62	Cytokinins in plant senescence: From spray and pray to clone and play. <i>BioEssays</i> , 1996 , 18, 557-565	4.1	123
61	Analysis of naturally occurring late flowering in Arabidopsis thaliana. <i>Molecular Genetics and Genomics</i> , 1993 , 237, 171-6		123
60	The WiscDsLox T-DNA collection: an arabidopsis community resource generated by using an improved high-throughput T-DNA sequencing pipeline. <i>Journal of Plant Research</i> , 2007 , 120, 157-65	2.6	120
59	Resetting and regulation of Flowering Locus C expression during Arabidopsis reproductive development. <i>Plant Journal</i> , 2009 , 57, 918-31	6.9	116
58	Evolutionary conservation of the FLOWERING LOCUS C-mediated vernalization response: evidence from the sugar beet (<i>Beta vulgaris</i>). <i>Genetics</i> , 2007 , 176, 295-307	4	110
57	Histone arginine methylation is required for vernalization-induced epigenetic silencing of FLC in winter-annual Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 411-6	11.5	98
56	Vernalization: a model for investigating epigenetics and eukaryotic gene regulation in plants. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2007 , 1769, 269-75		94
55	Vernalization and flowering time. <i>Current Opinion in Biotechnology</i> , 2005 , 16, 154-8	11.4	88
54	Development of public immortal mapping populations, molecular markers and linkage maps for rapid cycling Brassica rapa and B. oleracea. <i>Theoretical and Applied Genetics</i> , 2009 , 120, 31-43	6	87
53	Lesions in the mRNA cap-binding gene ABA HYPERSENSITIVE 1 suppress FRIGIDA-mediated delayed flowering in Arabidopsis. <i>Plant Journal</i> , 2004 , 40, 112-9	6.9	87
52	Genetic interactions between FLM and other flowering-time genes in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2003 , 52, 915-22	4.6	85
51	Growth habit determination by the balance of histone methylation activities in Arabidopsis. <i>EMBO Journal</i> , 2010 , 29, 3208-15	13	83

50	Acceleration of flowering during shade avoidance in Arabidopsis alters the balance between FLOWERING LOCUS C-mediated repression and photoperiodic induction of flowering. <i>Plant Physiology</i> , 2008 , 148, 1681-94	6.6	82
49	Interaction of photoperiod and vernalization determines flowering time of <i>Brachypodium distachyon</i> . <i>Plant Physiology</i> , 2014 , 164, 694-709	6.6	79
48	FRIGIDA-ESSENTIAL 1 interacts genetically with FRIGIDA and FRIGIDA-LIKE 1 to promote the winter-annual habit of <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2005 , 132, 5471-8	6.6	74
47	Winter Memory throughout the Plant Kingdom: Different Paths to Flowering. <i>Plant Physiology</i> , 2017 , 173, 27-35	6.6	71
46	Regulation of developmental senescence is conserved between <i>Arabidopsis</i> and <i>Brassica napus</i> . <i>Plant Molecular Biology</i> , 1999 , 41, 195-206	4.6	70
45	OsVIL2 functions with PRC2 to induce flowering by repressing OsLFL1 in rice. <i>Plant Journal</i> , 2013 , 73, 566-78	6.9	67
44	HUA2 is required for the expression of floral repressors in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2005 , 41, 376-85	6.9	66
43	The <i>Arabidopsis</i> flowering-time gene LUMINIDEPENDENS is expressed primarily in regions of cell proliferation and encodes a nuclear protein that regulates LEAFY expression. <i>Plant Journal</i> , 1999 , 18, 195-203	6.9	63
42	1955: kinetin arrives: the 50th anniversary of a new plant hormone. <i>Plant Physiology</i> , 2005 , 138, 1177-84	6.6	60
41	Natural Variation of Flowering Time and Vernalization Responsiveness in <i>Brachypodium distachyon</i> . <i>Bioenergy Research</i> , 2010 , 3, 38-46	3.1	58
40	A single amino acid change in the enhancer of zeste ortholog CURLY LEAF results in vernalization-independent, rapid flowering in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2009 , 151, 1688-97	6.6	56
39	Control of flowering time in plants. <i>Current Opinion in Genetics and Development</i> , 1996 , 6, 480-7	4.9	55
38	Molecular genetic studies of the memory of winter. <i>Journal of Experimental Botany</i> , 2006 , 57, 3369-77	7	53
37	Evolution of VRN2/Ghd7-Like Genes in Vernalization-Mediated Repression of Grass Flowering. <i>Plant Physiology</i> , 2016 , 170, 2124-35	6.6	53
36	Gibberellin response mutants identified by luciferase imaging. <i>Plant Journal</i> , 2001 , 25, 509-19	6.9	49
35	<i>Arabidopsis</i> trithorax-related3/SET domain GROUP2 is required for the winter-annual habit of <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2012 , 53, 834-46	4.9	48
34	FLOWERING LOCUS C-dependent and -independent regulation of the circadian clock by the autonomous and vernalization pathways. <i>BMC Plant Biology</i> , 2006 , 6, 10	5.3	45
33	PHYTOCHROME C is an essential light receptor for photoperiodic flowering in the temperate grass, <i>Brachypodium distachyon</i> . <i>Genetics</i> , 2014 , 198, 397-408	4	44

32	Rapid induction of genomic demethylation and T-DNA gene expression in plant cells by 5-azacytosine derivatives. <i>Plant Molecular Biology</i> , 1989 , 12, 413-23	4.6	44
31	DICER-LIKE 1 and DICER-LIKE 3 redundantly act to promote flowering via repression of FLOWERING LOCUS C in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2007 , 176, 1359-62	4	43
30	Brahma is required for proper expression of the floral repressor FLC in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2011 , 6, e17997	3.7	38
29	The gibberellic acid biosynthesis mutant ga1-3 of <i>Arabidopsis thaliana</i> is responsive to vernalization. <i>Genesis</i> , 1999 , 25, 194-8		38
28	Natural variation in the temperature range permissive for vernalization in accessions of <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2012 , 35, 2181-91	8.4	36
27	Floral induction and monocarpic versus polycarpic life histories. <i>Genome Biology</i> , 2009 , 10, 228	18.3	30
26	EARLY FLOWERING 5 acts as a floral repressor in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2004 , 38, 664-72	6.9	30
25	Polycomb proteins regulate the quantitative induction of VERNALIZATION INSENSITIVE 3 in response to low temperatures. <i>Plant Journal</i> , 2011 , 65, 382-91	6.9	29
24	Memory of the vernalized state in plants including the model grass <i>Brachypodium distachyon</i> . <i>Frontiers in Plant Science</i> , 2014 , 5, 99	6.2	24
23	A methyltransferase required for proper timing of the vernalization response in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2269-74	11.5	22
22	The RNA binding protein ELF9 directly reduces SUPPRESSOR OF OVEREXPRESSION OF CO1 transcript levels in <i>Arabidopsis</i> , possibly via nonsense-mediated mRNA decay. <i>Plant Cell</i> , 2009 , 21, 1195-2116	11.6	22
21	Establishment of a vernalization requirement in requires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6623-6628	11.5	21
20	Genetic Architecture of Flowering-Time Variation in <i>Brachypodium distachyon</i> . <i>Plant Physiology</i> , 2017 , 173, 269-279	6.6	20
19	Characterization of a gene from <i>Zea mays</i> related to the <i>Arabidopsis</i> flowering-time gene LUMINIDEPENDENS. <i>Plant Molecular Biology</i> , 2000 , 44, 107-22	4.6	20
18	An ortholog of CURLY LEAF/ENHANCER OF ZESTE like-1 is required for proper flowering in <i>Brachypodium distachyon</i> . <i>Plant Journal</i> , 2018 , 93, 871-882	6.9	17
17	Leaf Senescence: Gene Expression and Regulation 1997 , 215-234		17
16	A florigen paralog is required for short-day vernalization in a pooid grass. <i>ELife</i> , 2019 , 8,	8.9	14
15	Two FLX family members are non-redundantly required to establish the vernalization requirement in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2013 , 4, 2186	17.4	13

14	High throughput isolation of DNA and RNA in 96-well format using a paint shaker. <i>Plant Molecular Biology Reporter</i> , 2001 , 19, 227-233	1.7	11
13	Flowering time: a pathway that begins at the 3Vend. <i>Current Biology</i> , 2003 , 13, R670-2	6.3	9
12	Variation in shade-induced flowering in <i>Arabidopsis thaliana</i> results from FLOWERING LOCUS T allelic variation. <i>PLoS ONE</i> , 2017 , 12, e0187768	3.7	6
11	Elevating the conversation about GE crops. <i>Nature Biotechnology</i> , 2017 , 35, 302-304	44.5	5
10	Dissecting the Control of Flowering Time in Grasses Using <i>Brachypodium distachyon</i> . <i>Plant Genetics and Genomics: Crops and Models</i> , 2015 , 259-273	0.2	5
9	The Role of VIN3-LIKE Genes in Environmentally Induced Epigenetic Regulation of Flowering. <i>Plant Signaling and Behavior</i> , 2007 , 2, 127-8	2.5	5
8	Broadening the impact of plant science through innovative, integrative, and inclusive outreach. <i>Plant Direct</i> , 2021 , 5, e00316	3.3	4
7	Genetic and genomic resources to study natural variation in. <i>Plant Direct</i> , 2020 , 4, e00285	3.3	3
6	Mutations in the predicted DNA polymerase subunit POLD3 result in more rapid flowering of <i>Brachypodium distachyon</i> . <i>New Phytologist</i> , 2020 , 227, 1725-1735	9.8	2
5	My favourite flowering image: Maryland Mammoth tobacco. <i>Journal of Experimental Botany</i> , 2013 , 64, 5817-8	7	2
4	A path to a biennial life history. <i>Nature Plants</i> , 2018 , 4, 752-753	11.5	2
3	The Genetic Control of Flowering Time 2018 , 35-64		1
2	Senescence and Genetic Engineering 2004 , 91-105		1
1	and Photoperiod Sensing in .. <i>Frontiers in Plant Science</i> , 2021 , 12, 769194	6.2	0