Richard M Amasino

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	15,105 citations	61 h-index	122 g-index
154 ext. papers	17,297 ext. citations	9.7 avg, IF	6.75 L-index

#	Paper	IF	Citations
103	and Photoperiod Sensing in .. *Frontiers in Plant Science*, **2021**, 12, 769194	6.2	0
102	Broadening the impact of plant science through innovative, integrative, and inclusive outreach. *Plant Direct*, **2021**, 5, e00316	3.3	4
101	Mutations in the predicted DNA polymerase subunit POLD3 result in more rapid flowering of Brachypodium distachyon. *New Phytologist*, **2020**, 227, 1725-1735	9.8	2
100	Genetic and genomic resources to study natural variation in. *Plant Direct*, **2020**, 4, e00285	3.3	3
99	A florigen paralog is required for short-day vernalization in a pooid grass. *ELife*, **2019**, 8,	8.9	14
98	An ortholog of CURLY LEAF/ENHANCER OF ZESTE like-1 is required for proper flowering in Brachypodium distachyon. *Plant Journal*, **2018**, 93, 871-882	6.9	17
97	The Genetic Control of Flowering Time **2018**, 35-64		1
96	A path to a biennial life history. *Nature Plants*, **2018**, 4, 752-753	11.5	2
95	Elevating the conversation about GE crops. *Nature Biotechnology*, **2017**, 35, 302-304	44.5	5
94	Variation in shade-induced flowering in Arabidopsis thaliana results from FLOWERING LOCUS T allelic variation. *PLoS ONE*, **2017**, 12, e0187768	3.7	6
93	Establishment of a vernalization requirement in requires. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 6623-6628	11.5	21
92	Genetic Architecture of Flowering-Time Variation in Brachypodium distachyon. *Plant Physiology*, **2017**, 173, 269-279	6.6	20
91	Winter Memory throughout the Plant Kingdom: Different Paths to Flowering. *Plant Physiology*, **2017**, 173, 27-35	6.6	71
90	Extensive gene content variation in the Brachypodium distachyon pan-genome correlates with population structure. *Nature Communications*, **2017**, 8, 2184	17.4	168
89	Evolution of VRN2/Ghd7-Like Genes in Vernalization-Mediated Repression of Grass Flowering. *Plant Physiology*, **2016**, 170, 2124-35	6.6	53
88	A methyltransferase required for proper timing of the vernalization response in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2269-74	11.5	22
87	Dissecting the Control of Flowering Time in Grasses Using Brachypodium distachyon. *Plant Genetics and Genomics: Crops and Models*, **2015**, 259-273	0.2	5

86	PHYTOCHROME C is an essential light receptor for photoperiodic flowering in the temperate grass, Brachypodium distachyon. *Genetics*, **2014**, 198, 397-408	4	44
85	Interaction of photoperiod and vernalization determines flowering time of Brachypodium distachyon. *Plant Physiology*, **2014**, 164, 694-709	6.6	79
84	Memory of the vernalized state in plants including the model grass Brachypodium distachyon. *Frontiers in Plant Science*, **2014**, 5, 99	6.2	24
83	OsVIL2 functions with PRC2 to induce flowering by repressing OsLFL1 in rice. *Plant Journal*, **2013**, 73, 566-78	6.9	67
82	Two FLX family members are non-redundantly required to establish the vernalization requirement in Arabidopsis. *Nature Communications*, **2013**, 4, 2186	17.4	13
81	My favourite flowering image: Maryland Mammoth tobacco. *Journal of Experimental Botany*, **2013**, 64, 5817-8	7	2
80	Natural variation in the temperature range permissive for vernalization in accessions of Arabidopsis thaliana. *Plant, Cell and Environment*, **2012**, 35, 2181-91	8.4	36
79	Arabidopsis trithorax-related3/SET domain GROUP2 is required for the winter-annual habit of Arabidopsis thaliana. *Plant and Cell Physiology*, **2012**, 53, 834-46	4.9	48
78	Brahma is required for proper expression of the floral repressor FLC in Arabidopsis. *PLoS ONE*, **2011** , 6, e17997	3.7	38
77	Polycomb proteins regulate the quantitative induction of VERNALIZATION INSENSITIVE 3 in response to low temperatures. *Plant Journal*, **2011**, 65, 382-91	6.9	29
76	Growth habit determination by the balance of histone methylation activities in Arabidopsis. *EMBO Journal*, **2010**, 29, 3208-15	13	83
75	Seasonal and developmental timing of flowering. *Plant Journal*, **2010**, 61, 1001-13	6.9	591
74	The timing of flowering. *Plant Physiology*, **2010**, 154, 516-20	6.6	231
73	Natural Variation of Flowering Time and Vernalization Responsiveness in Brachypodium distachyon. *Bioenergy Research*, **2010**, 3, 38-46	3.1	58
72	Major flowering time gene, flowering locus C, regulates seed germination in Arabidopsis thaliana. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 11661-6	11.5	209
71	ARABIDOPSIS TRITHORAX-RELATED7 is required for methylation of lysine 4 of histone H3 and for transcriptional activation of FLOWERING LOCUS C. *Plant Cell*, **2009**, 21, 3257-69	11.6	149
70	A single amino acid change in the enhancer of zeste ortholog CURLY LEAF results in vernalization-independent, rapid flowering in Arabidopsis. *Plant Physiology*, **2009**, 151, 1688-97	6.6	56
69	The RNA binding protein ELF9 directly reduces SUPPRESSOR OF OVEREXPRESSION OF CO1 transcript levels in arabidopsis, possibly via nonsense-mediated mRNA decay. *Plant Cell*, **2009**, 21, 1195-211	11.6	22

68	Development of public immortal mapping populations, molecular markers and linkage maps for rapid cycling Brassica rapa and B. oleracea. *Theoretical and Applied Genetics*, **2009**, 120, 31-43	6	87
67	Resetting and regulation of Flowering Locus C expression during Arabidopsis reproductive development. *Plant Journal*, **2009**, 57, 918-31	6.9	116
66	Vernalization: winter and the timing of flowering in plants. *Annual Review of Cell and Developmental Biology*, **2009**, 25, 277-99	12.6	411
65	Floral induction and monocarpic versus polycarpic life histories. *Genome Biology*, **2009**, 10, 228	18.3	30
64	Acceleration of flowering during shade avoidance in Arabidopsis alters the balance between FLOWERING LOCUS C-mediated repression and photoperiodic induction of flowering. *Plant Physiology*, **2008**, 148, 1681-94	6.6	82
63	Histone arginine methylation is required for vernalization-induced epigenetic silencing of FLC in winter-annual Arabidopsis thaliana. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 411-6	11.5	98
62	Vernalization: a model for investigating epigenetics and eukaryotic gene regulation in plants. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2007**, 1769, 269-75		94
61	The WiscDsLox T-DNA collection: an arabidopsis community resource generated by using an improved high-throughput T-DNA sequencing pipeline. *Journal of Plant Research*, **2007**, 120, 157-65	2.6	120
60	Arabidopsis relatives of the human lysine-specific Demethylase1 repress the expression of FWA and FLOWERING LOCUS C and thus promote the floral transition. *Plant Cell*, **2007**, 19, 2975-87	11.6	172
59	The Role of VIN3-LIKE Genes in Environmentally Induced Epigenetic Regulation of Flowering. *Plant Signaling and Behavior*, **2007**, 2, 127-8	2.5	5
58	Evolutionary conservation of the FLOWERING LOCUS C-mediated vernalization response: evidence from the sugar beet (Beta vulgaris). *Genetics*, **2007**, 176, 295-307	4	110
57	DICER-LIKE 1 and DICER-LIKE 3 redundantly act to promote flowering via repression of FLOWERING LOCUS C in Arabidopsis thaliana. *Genetics*, **2007**, 176, 1359-62	4	43
56	FLOWERING LOCUS C-dependent and -independent regulation of the circadian clock by the autonomous and vernalization pathways. *BMC Plant Biology*, **2006**, 6, 10	5.3	45
55	Molecular genetic studies of the memory of winter. *Journal of Experimental Botany*, **2006**, 57, 3369-77	7	53
54	A PHD finger protein involved in both the vernalization and photoperiod pathways in Arabidopsis. *Genes and Development*, **2006**, 20, 3244-8	12.6	161
53	Epigenetic maintenance of the vernalized state in Arabidopsis thaliana requires LIKE HETEROCHROMATIN PROTEIN 1. *Nature Genetics*, **2006**, 38, 706-10	36.3	257
52	Integration of flowering signals in winter-annual Arabidopsis. *Plant Physiology*, **2005**, 137, 149-56	6.6	237
51	Role of chromatin modification in flowering-time control. *Trends in Plant Science*, **2005**, 10, 30-5	13.1	229

50	Remembering winter: toward a molecular understanding of vernalization. *Annual Review of Plant Biology*, **2005**, 56, 491-508	30.7	200
49	HUA2 is required for the expression of floral repressors in Arabidopsis thaliana. *Plant Journal*, **2005**, 41, 376-85	6.9	66
48	Vernalization and flowering time. *Current Opinion in Biotechnology*, **2005**, 16, 154-8	11.4	88
47	1955: kinetin arrives: the 50th anniversary of a new plant hormone. *Plant Physiology*, **2005**, 138, 1177-84	6.6	60
46	FRIGIDA-ESSENTIAL 1 interacts genetically with FRIGIDA and FRIGIDA-LIKE 1 to promote the winter-annual habit of Arabidopsis thaliana. *Development (Cambridge)*, **2005**, 132, 5471-8	6.6	74
45	Establishment of the vernalization-responsive, winter-annual habit in Arabidopsis requires a putative histone H3 methyl transferase. *Plant Cell*, **2005**, 17, 3301-10	11.6	170
44	Senescence and Genetic Engineering **2004**, 91-105		1
43	FRIGIDA-related genes are required for the winter-annual habit in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 3281-5	11.5	125
42	Divergent roles of a pair of homologous jumonji/zinc-finger-class transcription factor proteins in the regulation of Arabidopsis flowering time. *Plant Cell*, **2004**, 16, 2601-13	11.6	210
41	EARLY FLOWERING 5 acts as a floral repressor in Arabidopsis. *Plant Journal*, **2004**, 38, 664-72	6.9	30
40	Lesions in the mRNA cap-binding gene ABA HYPERSENSITIVE 1 suppress FRIGIDA-mediated delayed flowering in Arabidopsis. *Plant Journal*, **2004**, 40, 112-9	6.9	87
39	Vernalization in Arabidopsis thaliana is mediated by the PHD finger protein VIN3. *Nature*, **2004**, 427, 159-64	50.4	649
38	Vernalization and epigenetics: how plants remember winter. *Current Opinion in Plant Biology*, **2004**, 7, 4-10	9.9	230
37	PAF1-complex-mediated histone methylation of FLOWERING LOCUS C chromatin is required for the vernalization-responsive, winter-annual habit in Arabidopsis. *Genes and Development*, **2004**, 18, 2774-84	12.6	228
36	Vernalization, competence, and the epigenetic memory of winter. *Plant Cell*, **2004**, 16, 2553-9	11.6	167
35	Overexpression of a novel class of gibberellin 2-oxidases decreases gibberellin levels and creates dwarf plants. *Plant Cell*, **2003**, 15, 151-63	11.6	282
34	PIE1, an ISWI family gene, is required for FLC activation and floral repression in Arabidopsis. *Plant Cell*, **2003**, 15, 1671-82	11.6	211
33	Attenuation of FLOWERING LOCUS C activity as a mechanism for the evolution of summer-annual flowering behavior in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10102-7	11.5	282

32	Genetic interactions between FLM and other flowering-time genes in Arabidopsis thaliana. *Plant Molecular Biology*, **2003**, 52, 915-22	4.6	85
31	Flowering time: a pathway that begins at the 3Vend. *Current Biology*, **2003**, 13, R670-2	6.3	9
30	AGL24 acts as a promoter of flowering in Arabidopsis and is positively regulated by vernalization. *Plant Journal*, **2003**, 33, 867-74	6.9	224
29	Regulation of flowering time by histone acetylation in Arabidopsis. *Science*, **2003**, 302, 1751-4	33.3	385
28	The ELF4 gene controls circadian rhythms and flowering time in Arabidopsis thaliana. *Nature*, **2002**, 419, 74-7	50.4	376
27	High throughput isolation of DNA and RNA in 96-well format using a paint shaker. *Plant Molecular Biology Reporter*, **2001**, 19, 227-233	1.7	11
26	Gibberellin response mutants identified by luciferase imaging. *Plant Journal*, **2001**, 25, 509-19	6.9	49
25	Identification of a MADS-box gene, FLOWERING LOCUS M, that represses flowering. *Plant Journal*, **2001**, 26, 229-36	6.9	200
24	FPA, a Gene Involved in Floral Induction in Arabidopsis, Encodes a Protein Containing RNA-Recognition Motifs. *Plant Cell*, **2001**, 13, 1427-1436	11.6	183
23	Loss of FLOWERING LOCUS C activity eliminates the late-flowering phenotype of FRIGIDA and autonomous pathway mutations but not responsiveness to vernalization. *Plant Cell*, **2001**, 13, 935-41	11.6	441
22	Senescence Is Induced in Individually Darkened Arabidopsis Leaves, but Inhibited in Whole Darkened Plants. *Plant Physiology*, **2001**, 127, 876-886	6.6	216
21	Characterization of a gene from Zea mays related to the Arabidopsis flowering-time gene LUMINIDEPENDENS. *Plant Molecular Biology*, **2000**, 44, 107-22	4.6	20
20	Molecular analysis of FRIGIDA, a major determinant of natural variation in Arabidopsis flowering time. *Science*, **2000**, 290, 344-7	33.3	793
19	The Arabidopsis knockout facility at the University of Wisconsin-Madison. *Plant Physiology*, **2000**, 124, 1465-7	6.6	181
18	FLOWERING LOCUS C encodes a novel MADS domain protein that acts as a repressor of flowering. *Plant Cell*, **1999**, 11, 949-56	11.6	1471
17	The Arabidopsis flowering-time gene LUMINIDEPENDENS is expressed primarily in regions of cell proliferation and encodes a nuclear protein that regulates LEAFY expression. *Plant Journal*, **1999**, 18, 195-203	6.9	63
16	Natural allelic variation identifies new genes in the Arabidopsis circadian system. *Plant Journal*, **1999**, 20, 67-77	6.9	158
15	Markers for hypersensitive response and senescence show distinct patterns of expression. *Plant Molecular Biology*, **1999**, 39, 1243-55	4.6	160

14	Diverse range of gene activity during Arabidopsis thaliana leaf senescence includes pathogen-independent induction of defense-related genes. *Plant Molecular Biology*, **1999**, 40, 267-78	4.6	216
13	Identification of a promoter region responsible for the senescence-specific expression of SAG12. *Plant Molecular Biology*, **1999**, 41, 181-94	4.6	267
12	Regulation of developmental senescence is conserved between Arabidopsis and Brassica napus. *Plant Molecular Biology*, **1999**, 41, 195-206	4.6	70
11	The gibberellic acid biosynthesis mutant ga1-3 of Arabidopsis thaliana is responsive to vernalization. *Genesis*, **1999**, 25, 194-8		38
10	A comparison of the expression patterns of several senescence-associated genes in response to stress and hormone treatment. *Plant Molecular Biology*, **1998**, 37, 455-69	4.6	464
9	A robust method for detecting single-nucleotide changes as polymorphic markers by PCR. *Plant Journal*, **1998**, 14, 381-5	6.9	164
8	Identification of a functional homolog of the yeast copper homeostasis gene ATX1 from Arabidopsis. *Plant Physiology*, **1998**, 117, 1227-34	6.6	175
7	Leaf Senescence: Gene Expression and Regulation **1997**, 215-234		17
6	Control of flowering time in plants. *Current Opinion in Genetics and Development*, **1996**, 6, 480-7	4.9	55
5	Cytokinins in plant senescence: From spray and pray to clone and play. *BioEssays*, **1996**, 18, 557-565	4.1	123
4	The late-flowering phenotype of FRIGIDA and mutations in LUMINIDEPENDENS is suppressed in the Landsberg erecta strain of Arabidopsis. *Plant Journal*, **1994**, 6, 903-909	6.9	232
3	Molecular analysis of natural leaf senescence in Arabidopsis thaliana. *Physiologia Plantarum*, **1994**, 92, 322-328	4.6	384
2	Analysis of naturally occurring late flowering in Arabidopsis thaliana. *Molecular Genetics and Genomics*, **1993**, 237, 171-6		123
1	Rapid induction of genomic demethylation and T-DNA gene expression in plant cells by 5-azacytosine derivatives. *Plant Molecular Biology*, **1989**, 12, 413-23	4.6	44