

# Richard C Macknight

## List of Publications by Year in descending order

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67  
papers

4,369  
citations

159585

30  
h-index

118850

62  
g-index

71  
all docs

71  
docs citations

71  
times ranked

4732  
citing authors

#	ARTICLE	IF	CITATIONS
1	FCA, a Gene Controlling Flowering Time in Arabidopsis, Encodes a Protein Containing RNA-Binding Domains. <i>Cell</i> , 1997, 89, 737-745.	28.9	480
2	It's time to flower: the genetic control of flowering time. <i>BioEssays</i> , 2004, 26, 363-373.	2.5	436
3	Conservation of Arabidopsis Flowering Genes in Model Legumes. <i>Plant Physiology</i> , 2005, 137, 1420-1434.	4.8	270
4	Autoregulation of FCA pre-mRNA processing controls Arabidopsis flowering time. <i>EMBO Journal</i> , 2003, 22, 3142-3152.	7.8	252
5	Functional Significance of the Alternative Transcript Processing of the Arabidopsis Floral Promoter FCA. <i>Plant Cell</i> , 2002, 14, 877-888.	6.6	220
6	FLOWERING LOCUS T genes control onion bulb formation and flowering. <i>Nature Communications</i> , 2013, 4, 2884.	12.8	197
7	An Upstream Open Reading Frame Is Essential for Feedback Regulation of Ascorbate Biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 772-786.	6.6	192
8	The Pea <i>GIGAS</i> Gene Is a <i>FLOWERING LOCUS T</i> Homolog Necessary for Graft-Transmissible Specification of Flowering but Not for Responsiveness to Photoperiod. <i>Plant Cell</i> , 2011, 23, 147-161.	6.6	176
9	A conserved molecular basis for photoperiod adaptation in two temperate legumes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21158-21163.	7.1	159
10	Transcriptome Analysis of Proliferating Arabidopsis Endosperm Reveals Biological Implications for the Control of Syncytial Division, Cytokinin Signaling, and Gene Expression Regulation. <i>Plant Physiology</i> , 2008, 148, 1964-1984.	4.8	134
11	The Medicago <i>FLOWERING LOCUS T</i> Homolog, <i>MtFTa1</i> , Is a Key Regulator of Flowering Time. <i>Plant Physiology</i> , 2011, 156, 2207-2224.	4.8	133
12	Be more specific! Laser-assisted microdissection of plant cells. <i>Trends in Plant Science</i> , 2005, 10, 397-406.	8.8	129
13	SVP-like MADS Box Genes Control Dormancy and Budbreak in Apple. <i>Frontiers in Plant Science</i> , 2017, 08, 477.	3.6	121
14	Rapid analysis of seed size in Arabidopsis for mutant and QTL discovery. <i>Plant Methods</i> , 2011, 7, 3.	4.3	99
15	The Emerging World of Small ORFs. <i>Trends in Plant Science</i> , 2016, 21, 317-328.	8.8	99
16	Isolation and functional analysis of CONSTANS-LIKE genes suggests that a central role for CONSTANS in flowering time control is not evolutionarily conserved in Medicago truncatula. <i>Frontiers in Plant Science</i> , 2014, 5, 486.	3.6	80
17	Increasing ascorbate levels in crops to enhance human nutrition and plant abiotic stress tolerance. <i>Current Opinion in Biotechnology</i> , 2017, 44, 153-160.	6.6	72
18	<i>DIE NEUTRALIS</i> and <i>LATE BLOOMER 1</i> Contribute to Regulation of the Pea Circadian Clock. <i>Plant Cell</i> , 2009, 21, 3198-3211.	6.6	65

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19	Kiwifruit SVP2 gene prevents premature budbreak during dormancy. <i>Journal of Experimental Botany</i> , 2017, 68, 1071-1082.	4.8	62
20	Genetic interactions of the Arabidopsis flowering time gene FCA, with genes regulating floral initiation. <i>Plant Journal</i> , 1999, 17, 231-239.	5.7	55
21	Overexpression of <i>Medicago SVP</i> genes causes floral defects and delayed flowering in <i>Arabidopsis</i> but only affects floral development in <i>Medicago</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 429-442.	4.8	55
22	The Chickpea <i>Early Flowering 1</i> ( <i>Efl1</i> ) Locus Is an Ortholog of Arabidopsis <i>ELF3</i> . <i>Plant Physiology</i> , 2017, 175, 802-815.	4.8	54
23	Enhancing onion breeding using molecular tools. <i>Plant Breeding</i> , 2016, 135, 9-20.	1.9	50
24	Reevaluation of Abscisic Acid-Binding Assays Shows That G-Protein-Coupled Receptor2 Does Not Bind Abscisic Acid. <i>Plant Physiology</i> , 2009, 150, 6-11.	4.8	48
25	FCA does not bind abscisic acid. <i>Nature</i> , 2008, 456, E5-E6.	27.8	40
26	A Toolkit for bulk PCR-based marker design from next-generation sequence data: application for development of a framework linkage map in bulb onion ( <i>Allium cepa</i> L.). <i>BMC Genomics</i> , 2012, 13, 637.	2.8	38
27	Association mapping of cold-induced sweetening in potato using historical phenotypic data. <i>Annals of Applied Biology</i> , 2011, 158, 248-256.	2.5	36
28	Noncanonical Translation Initiation of the <i>Arabidopsis</i> Flowering Time and Alternative Polyadenylation Regulator FCA. <i>Plant Cell</i> , 2010, 22, 3764-3777.	6.6	33
29	Developing a method for customized induction of flowering. <i>BMC Biotechnology</i> , 2011, 11, 36.	3.3	33
30	Transcript analysis of laser microdissected plant cells. <i>Physiologia Plantarum</i> , 2006, 129, 267-282.	5.2	32
31	The role of the MCM2-7 helicase complex during Arabidopsis seed development. <i>Plant Molecular Biology</i> , 2014, 86, 69-84.	3.9	32
32	Genetic analyses of bolting in bulb onion ( <i>Allium cepa</i> L.). <i>Theoretical and Applied Genetics</i> , 2014, 127, 535-547.	3.6	31
33	<i>Medicago truncatula</i> SOC1 Genes Are Up-regulated by Environmental Cues That Promote Flowering. <i>Frontiers in Plant Science</i> , 2018, 9, 496.	3.6	30
34	PHOSPHATIDYLETHANOLAMINE-BINDING PROTEINS: the conductors of dual reproduction in plants with vegetative storage organs. <i>Journal of Experimental Botany</i> , 2021, 72, 2845-2856.	4.8	30
35	FRIGIDA and related proteins have a conserved central domain and family specific N- and C-terminal regions that are functionally important. <i>Plant Molecular Biology</i> , 2010, 73, 493-505.	3.9	29
36	RNA processing and Arabidopsis flowering time control. <i>Biochemical Society Transactions</i> , 2004, 32, 565-566.	3.4	28

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37	Histone modification and activation by SOC1-like and drought stress-related transcription factors may regulate AcSVP2 expression during kiwifruit winter dormancy. <i>Plant Science</i> , 2019, 281, 242-250.	3.6	28
38	Identification of <i>LATE BLOOMER2</i> as a <i>CYCLING DOF FACTOR</i> Homolog Reveals Conserved and Divergent Features of the Flowering Response to Photoperiod in Pea. <i>Plant Cell</i> , 2016, 28, 2545-2559.	6.6	26
39	Infiltration-RNAseq: transcriptome profiling of Agrobacterium-mediated infiltration of transcription factors to discover gene function and expression networks in plants. <i>Plant Methods</i> , 2016, 12, 41.	4.3	26
40	Developmentally regulated <i>HEART STOPPER</i> , a mitochondrially targeted L18 ribosomal protein gene, is required for cell division, differentiation, and seed development in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 5867-5880.	4.8	24
41	RNAi-mediated repression of dormancy-related genes results in evergrowing apple trees. <i>Tree Physiology</i> , 2021, 41, 1510-1523.	3.1	24
42	Evaluation of Global RNA Amplification and Its Use for High-Throughput Transcript Analysis of Laser-Microdissected Endosperm. <i>International Journal of Plant Genomics</i> , 2007, 2007, 1-17.	2.2	21
43	Components of the <i>Arabidopsis</i> autonomous floral promotion pathway, FCA and FY, are conserved in monocots. <i>Functional Plant Biology</i> , 2005, 32, 345.	2.1	19
44	Kiwifruit SVP2 controls developmental and drought-stress pathways. <i>Plant Molecular Biology</i> , 2018, 96, 233-244.	3.9	17
45	Transient Gene Expression in <i>Medicago truncatula</i> Leaves via Agroinfiltration. <i>Methods in Molecular Biology</i> , 2013, 1069, 215-226.	0.9	16
46	Comparative transcriptome analysis of the wild-type model apomict <i>Hieracium praealtum</i> and its loss of parthenogenesis (lop) mutant. <i>BMC Plant Biology</i> , 2018, 18, 206.	3.6	14
47	Overexpression of both AcSVP1 and AcSVP4 delays budbreak in kiwifruit <i>A. chinensis</i> var. <i>deliciosa</i> , but only AcSVP1 delays flowering in model plants. <i>Environmental and Experimental Botany</i> , 2018, 153, 262-270.	4.2	14
48	Doubled Haploid "CUDH2107" as a Reference for Bulb Onion ( <i>Allium cepa</i> L.) Research: Development of a Transcriptome Catalogue and Identification of Transcripts Associated with Male Fertility. <i>PLoS ONE</i> , 2016, 11, e0166568.	2.5	14
49	Analysis of the lupin Nodulin-45 promoter: conserved regulatory sequences are important for promoter activity. <i>Plant Molecular Biology</i> , 1995, 27, 457-466.	3.9	12
50	Functional Genomics and Flowering Time in <i>Medicago truncatula</i> : An Overview. <i>Methods in Molecular Biology</i> , 2018, 1822, 261-271.	0.9	11
51	Prospects for F1 hybrid production in ryegrass. <i>New Zealand Journal of Agricultural Research</i> , 2020, 63, 405-415.	1.6	11
52	Genome draft of the <i>Arabidopsis</i> relative <i>Pachycladon cheesemanii</i> reveals novel strategies to tolerate New Zealand's high ultraviolet B radiation environment. <i>BMC Genomics</i> , 2019, 20, 838.	2.8	9
53	Molecular control of the floral transition in the mast seeding plant <i>Celmisia lyallii</i> (Asteraceae). <i>Molecular Ecology</i> , 2021, 30, 1846-1863.	3.9	9
54	Identification of cytoskeleton-associated genes expressed during <i>Arabidopsis</i> syncytial endosperm development. <i>Plant Signaling and Behavior</i> , 2009, 4, 883-886.	2.4	8

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55	Molecular Characterisation of a Supergene Conditioning Super-High Vitamin C in Kiwifruit Hybrids. <i>Plants</i> , 2019, 8, 237.	3.5	7
56	Miconazole: An effective antifungal agent for plant tissue culture. <i>Plant Cell, Tissue and Organ Culture</i> , 1993, 32, 293-301.	2.3	5
57	A Guide for the Cultivation of Onion under Controlled Environment Conditions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1746-1749.	1.0	5
58	Identification of flowering-time genes in mast flowering plants using De Novo transcriptomic analysis. <i>PLoS ONE</i> , 2019, 14, e0216267.	2.5	4
59	Complete Genome Sequence of a New Zealand Isolate of the Bovine Pathogen <i>Streptococcus uberis</i> . <i>Genome Announcements</i> , 2018, 6, .	0.8	3
60	Identification and Characterization of Perennial Ryegrass ( <i>Lolium perenne</i> ) Vernalization Genes. <i>Frontiers in Plant Science</i> , 2021, 12, 640324.	3.6	3
61	A Point Mutation in Phytochromobilin synthase Alters the Circadian Clock and Photoperiodic Flowering of <i>Medicago truncatula</i> . <i>Plants</i> , 2022, 11, 239.	3.5	3
62	Importance of Vitamin C in Human Health and Disease. , 2017, , 491-501.		2
63	A novel <i>TFL1</i> gene induces flowering in the mast seeding alpine snow tussock, <i>Chionochloa pallens</i> (Poaceae). <i>Molecular Ecology</i> , 2022, 31, 822-838.	3.9	2
64	Gene Family Evolution in <i>Allium</i> Species. <i>Compendium of Plant Genomes</i> , 2018, , 145-159.	0.5	1
65	Molecular Analysis Of Flowering Time And Vernalization Response In <i>Arabidopsis</i> , A Minireview. <i>Developments in Plant Genetics and Breeding</i> , 2000, , 115-121.	0.6	0
66	Molecular Mapping of Genes and QTL: Progress to Date and Development of New Population Resources for NGS Genetics. <i>Compendium of Plant Genomes</i> , 2018, , 181-196.	0.5	0
67	Screening for Imprinted Genes Using High-Resolution Melting Analysis of PCR Amplicons. <i>Methods in Molecular Biology</i> , 2014, 1112, 71-83.	0.9	0