

Michael W Bevan

List of Publications by Year in descending order

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45
papers

7,288
citations

147801

31
h-index

243625

44
g-index

52
all docs

52
docs citations

52
times ranked

8948
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the bread wheat genome using whole-genome shotgun sequencing. <i>Nature</i> , 2012, 491, 705-710.	27.8	983
2	Genome sequence of the progenitor of the wheat D genome <i>Aegilops tauschii</i> . <i>Nature</i> , 2017, 551, 498-502.	27.8	563
3	Towards functional characterisation of the members of the R2R3-MYB gene family from <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 1998, 16, 263-276.	5.7	554
4	Multiple wheat genomes reveal global variation in modern breeding. <i>Nature</i> , 2020, 588, 277-283.	27.8	513
5	An improved assembly and annotation of the allohexaploid wheat genome identifies complete families of agronomic genes and provides genomic evidence for chromosomal translocations. <i>Genome Research</i> , 2017, 27, 885-896.	5.5	464
6	Reduced cellulose synthesis invokes lignification and defense responses in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2003, 34, 351-362.	5.7	424
7	Control of final seed and organ size by the <i>DA1</i> gene family in <i>Arabidopsis thaliana</i> . <i>Genes and Development</i> , 2008, 22, 1331-1336.	5.9	404
8	Impaired sucrose-induction mutants reveal the modulation of sugar-induced starch biosynthetic gene expression by abscisic acid signalling. <i>Plant Journal</i> , 2001, 26, 421-433.	5.7	359
9	Genomic innovation for crop improvement. <i>Nature</i> , 2017, 543, 346-354.	27.8	301
10	<i>MYB61</i> Is Required for Mucilage Deposition and Extrusion in the <i>Arabidopsis</i> Seed Coat. <i>Plant Cell</i> , 2001, 13, 2777-2791.	6.6	253
11	Establishing glucose- and ABA-regulated transcription networks in <i>Arabidopsis</i> by microarray analysis and promoter classification using a Relevance Vector Machine. <i>Genome Research</i> , 2006, 16, 414-427.	5.5	229
12	Sugar and ABA response pathways and the control of gene expression. <i>Plant, Cell and Environment</i> , 2006, 29, 426-434.	5.7	227
13	A 4-gigabase physical map unlocks the structure and evolution of the complex genome of <i>Aegilops tauschii</i> , the wheat D-genome progenitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7940-7945.	7.1	214
14	Two classes of cis sequences contribute to tissue-specific expression of a PAL2 promoter in transgenic tobacco. <i>Plant Journal</i> , 1995, 7, 859-876.	5.7	157
15	Function Search in a Large Transcription Factor Gene Family in <i>Arabidopsis</i> : Assessing the Potential of Reverse Genetics to Identify Insertional Mutations in R2R3 MYB Genes. <i>Plant Cell</i> , 1999, 11, 1827-1840.	6.6	151
16	Targeted resequencing of the allohexaploid wheat exome. <i>Plant Biotechnology Journal</i> , 2012, 10, 733-742.	8.3	133
17	Ubiquitylation activates a peptidase that promotes cleavage and destabilization of its activating E3 ligases and diverse growth regulatory proteins to limit cell proliferation in <i>Arabidopsis</i> . <i>Genes and Development</i> , 2017, 31, 197-208.	5.9	128
18	The plant-specific G protein β subunit AGG3 influences organ size and shape in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2012, 194, 690-703.	7.3	119

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19	The Arabidopsis genome: A foundation for plant research. <i>Genome Research</i> , 2005, 15, 1632-1642.	5.5	110
20	Genetic approaches to understanding sugar-response pathways. <i>Journal of Experimental Botany</i> , 2003, 54, 495-501.	4.8	105
21	The Ubiquitin Receptors DA1, DAR1, and DAR2 Redundantly Regulate Endoreduplication by Modulating the Stability of TCP14/15 in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 649-662.	6.6	101
22	Characterization of Mutants in Arabidopsis Showing Increased Sugar-Specific Gene Expression, Growth, and Developmental Responses. <i>Plant Physiology</i> , 2004, 134, 81-91.	4.8	87
23	Fast-forward breeding for a food-secure world. <i>Trends in Genetics</i> , 2021, 37, 1124-1136.	6.7	82
24	The Pentatricopeptide Repeat Proteins TANG2 and ORGANELLE TRANSCRIPT PROCESSING439 Are Involved in the Splicing of the Multipartite <i>nad5</i> Transcript Encoding a Subunit of Mitochondrial Complex I. <i>Plant Physiology</i> , 2014, 165, 1409-1416.	4.8	78
25	The ARP2/3 Complex Mediates Guard Cell Actin Reorganization and Stomatal Movement in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2031-2040.	6.6	74
26	The activities of acidic and glutamine-rich transcriptional activation domains in plant cells: design of modular transcription factors for high-level expression. <i>Plant Molecular Biology</i> , 1998, 36, 195-204.	3.9	71
27	Signaling from an Altered Cell Wall to the Nucleus Mediates Sugar-Responsive Growth and Development in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2007, 19, 2500-2515.	6.6	57
28	Hidden variation in polyploid wheat drives local adaptation. <i>Genome Research</i> , 2018, 28, 1319-1332.	5.5	41
29	Variation in Expression of the HECT E3 Ligase <i>UPL3</i> Modulates LEC2 Levels, Seed Size, and Crop Yields in <i>Brassica napus</i> . <i>Plant Cell</i> , 2019, 31, 2370-2385.	6.6	38
30	The maize transcription factor Opaque-2 activates a wheat glutenin promoter in plant and yeast cells. <i>Plant Molecular Biology</i> , 1995, 29, 711-720.	3.9	36
31	Impaired sucrose induction encodes a conserved plant-specific protein that couples carbohydrate availability to gene expression and plant growth. <i>Plant Journal</i> , 2006, 46, 1045-1058.	5.7	35
32	Asparaginase gene expression is regulated in a complex spatial and temporal pattern in nitrogen-sink tissues. <i>Plant Journal</i> , 1994, 5, 695-704.	5.7	31
33	The Tinkerbelle (Tink) Mutation Identifies the Dual-Specificity MAPK Phosphatase INDOLE-3-BUTYRIC ACID-RESPONSE5 (IBR5) as a Novel Regulator of Organ Size in Arabidopsis. <i>PLoS ONE</i> , 2015, 10, e0131103.	2.5	30
34	Reduced chromatin accessibility underlies gene expression differences in homologous chromosome arms of diploid <i>Aegilops tauschii</i> and hexaploid wheat. <i>GigaScience</i> , 2020, 9, .	6.4	23
35	The Mediator complex subunits MED25/PFT1 and MED8 are required for transcriptional responses to changes in cell wall arabinose composition and glucose treatment in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2015, 15, 215.	3.6	21
36	Rapid delivery systems for future food security. <i>Nature Biotechnology</i> , 2021, 39, 1179-1181.	17.5	17

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37	Tissue-specific expression of the PAL3 promoter requires the interaction of two conserved cis sequences. <i>Plant Molecular Biology</i> , 1996, 31, 393-397.	3.9	13
38	Independent assessment and improvement of wheat genome sequence assemblies using Fosill jumping libraries. <i>GigaScience</i> , 2018, 7, .	6.4	12
39	Genomics and plant cells: application of genomics strategies to Arabidopsis cell biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 731-736.	4.0	10
40	<i>TANG1</i> , Encoding a Symplekin_C Domain-Contained Protein, Influences Sugar Responses in Arabidopsis. <i>Plant Physiology</i> , 2015, 168, 1000-1012.	4.8	10
41	Positioning Arabidopsis in Plant Biology. A Key Step Toward Unification of Plant Research. <i>Plant Physiology</i> , 2004, 135, 602-606.	4.8	8
42	PLANT SCIENCE: Surprises Inside a Green Grass Genome. <i>Science</i> , 2003, 300, 1514-1515.	12.6	7
43	A practical guide to ligation-mediated PCR footprinting and in-vivo DNA analysis using plant tissues. <i>Plant Molecular Biology Reporter</i> , 1993, 11, 249-272.	1.8	2
44	Endless variation most beautiful. <i>Nature</i> , 2011, 477, 415-416.	27.8	2
45	Variation in the expression of a transmembrane protein influences cell growth in Arabidopsis thaliana petals by altering auxin responses. <i>BMC Plant Biology</i> , 2020, 20, 482.	3.6	0