

Malcolm M Campbell

List of Publications by Year in descending order

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45
papers

5,846
citations

94381

37
h-index

223716

46
g-index

46
all docs

46
docs citations

46
times ranked

6925
citing authors

#	ARTICLE	IF	CITATIONS
1	Expansion and Diversification of the <i>Populus</i> R2R3-MYB Family of Transcription Factors. <i>Plant Physiology</i> , 2009, 149, 981-993.	2.3	450
2	The genetic control of lignin deposition during plant growth and development. <i>New Phytologist</i> , 2004, 164, 17-30.	3.5	333
3	Manipulation of lignin quality by downregulation of cinnamyl alcohol dehydrogenase. <i>Plant Journal</i> , 1994, 6, 339-350.	2.8	321
4	Analysis of xylem formation in pine by cDNA sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9693-9698.	3.3	321
5	Characterisation of a pine MYB that regulates lignification. <i>Plant Journal</i> , 2003, 36, 743-754.	2.8	304
6	PlaNet: Combined Sequence and Expression Comparisons across Plant Networks Derived from Seven Species. <i>Plant Cell</i> , 2011, 23, 895-910.	3.1	297
7	Epigenetic regulation of adaptive responses of forest tree species to the environment. <i>Ecology and Evolution</i> , 2013, 3, 399-415.	0.8	271
8	AtMYB61, an R2R3-MYB Transcription Factor Controlling Stomatal Aperture in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2005, 15, 1201-1206.	1.8	259
9	The Wound-, Pathogen-, and Ultraviolet B-Responsive MYB134 Gene Encodes an R2R3 MYB Transcription Factor That Regulates Proanthocyanidin Synthesis in Poplar. <i>Plant Physiology</i> , 2009, 150, 924-941.	2.3	249
10	Involvement of the R2R3-MYB, AtMYB61, in the ectopic lignification and dark photomorphogenic components of the <i>det3</i> mutant phenotype. <i>Plant Journal</i> , 2004, 37, 239-250.	2.8	192
11	Clone history shapes <i>Populus</i> drought responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12521-12526.	3.3	170
12	The interaction between MYB proteins and their target DNA binding sites. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 67-77.	0.9	155
13	Constitutively High Expression of the Histidine Biosynthetic Pathway Contributes to Nickel Tolerance in Hyperaccumulator Plants. <i>Plant Cell</i> , 2005, 17, 2089-2106.	3.1	152
14	Light, the circadian clock, and sugar perception in the control of lignin biosynthesis. <i>Journal of Experimental Botany</i> , 2005, 56, 1651-1663.	2.4	137
15	Comparison of lignin deposition in three ectopic lignification mutants. <i>New Phytologist</i> , 2005, 168, 123-140.	3.5	134
16	Characterisation of PtMYB1, an R2R3-MYB from pine xylem. <i>Plant Molecular Biology</i> , 2003, 53, 597-608.	2.0	132
17	AtMYB61, an R2R3-MYB transcription factor, functions as a pleiotropic regulator via a small gene network. <i>New Phytologist</i> , 2012, 195, 774-786.	3.5	132
18	Genotype and time of day shape the <i>Populus</i> drought response. <i>Plant Journal</i> , 2009, 60, 703-715.	2.8	123

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19	Fungal elicitor-mediated responses in pine cell cultures. <i>Planta</i> , 1992, 186, 409-17.	1.6	122
20	Time of day shapes <i>Arabidopsis</i> drought transcriptomes. <i>Plant Journal</i> , 2010, 63, 715-727.	2.8	113
21	Genome-wide analysis of plant metal transporters, with an emphasis on poplar. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3763-3784.	2.4	111
22	Transcriptomic Responses of the Softwood-Degrading White-Rot Fungus <i>Phanerochaete carnos</i> during Growth on Coniferous and Deciduous Wood. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3211-3218.	1.4	105
23	Genome-wide responses to drought in forest trees. <i>Forestry</i> , 2011, 84, 273-283.	1.2	105
24	A role for glycine in the gating of plant NMDA-like receptors. <i>Plant Journal</i> , 2003, 35, 800-810.	2.8	103
25	Forestry's fertile crescent: the application of biotechnology to forest trees. <i>Plant Biotechnology Journal</i> , 2003, 1, 141-154.	4.1	96
26	Investigating the drought-stress response of hybrid poplar genotypes by metabolite profiling. <i>Tree Physiology</i> , 2014, 34, 1203-1219.	1.4	84
27	Drought induces alterations in the stomatal development program in <i>Populus</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 4959-4971.	2.4	83
28	Functional interactions between a glutamine synthetase promoter and MYB proteins. <i>Plant Journal</i> , 2004, 39, 513-526.	2.8	80
29	The response of the poplar transcriptome to wounding and subsequent infection by a viral pathogen. <i>New Phytologist</i> , 2004, 164, 123-136.	3.5	76
30	Interplay between Sucrose and Folate Modulates Auxin Signaling in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 1552-1565.	2.3	71
31	Poplar trees reconfigure the transcriptome and metabolome in response to drought in a genotype- and time-of-day-dependent manner. <i>BMC Genomics</i> , 2015, 16, 329.	1.2	60
32	Sexual epigenetics: gender-specific methylation of a gene in the sex determining region of <i>Populus balsamifera</i> . <i>Scientific Reports</i> , 2017, 7, 45388.	1.6	59
33	Fungal elicitor-mediated responses in pine cell cultures: cell wall-bound phenolics*. <i>Phytochemistry</i> , 1992, 31, 737-742.	1.4	53
34	Endogenous overexpression of <i>Populus</i> MYB186 increases trichome density, improves insect pest resistance, and impacts plant growth. <i>Plant Journal</i> , 2010, 64, 419-432.	2.8	53
35	Intraspecific variation in the <i>Populus balsamifera</i> drought transcriptome. <i>Plant, Cell and Environment</i> , 2010, 33, 1742-1755.	2.8	52
36	Fungal Elicitor-Mediated Responses in Pine Cell Cultures. <i>Plant Physiology</i> , 1992, 98, 62-70.	2.3	47

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37	Post-translational modification of an R2R3-MYB transcription factor by a MAP Kinase during xylem development. <i>New Phytologist</i> , 2009, 183, 1001-1013.	3.5	43
38	Interactions between the R2R3-MYB Transcription Factor, AtMYB61, and Target DNA Binding Sites. <i>PLoS ONE</i> , 2013, 8, e65132.	1.1	35
39	Comprehensive multiphase NMR: a promising technology to study plants in their native state. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 735-744.	1.1	33
40	Constitutive expression of a fungal glucuronoyl esterase in <i>Arabidopsis</i> reveals altered cell wall composition and structure. <i>Plant Biotechnology Journal</i> , 2012, 10, 1077-1087.	4.1	32
41	Kanamycin reveals the role played by glutamate receptors in shaping plant resource allocation. <i>Plant Journal</i> , 2005, 43, 348-355.	2.8	29
42	Varied growth, biomass and cellulose content in tobacco expressing yeast-derived invertases. <i>Planta</i> , 2006, 224, 1315-1327.	1.6	28
43	Leaf size serves as a proxy for xylem vulnerability to cavitation in plantation trees. <i>Plant, Cell and Environment</i> , 2016, 39, 272-281.	2.8	24
44	Learning from methylomes: epigenomic correlates of <i>Populus balsamifera</i> traits based on deep learning models of natural DNA methylation. <i>Plant Biotechnology Journal</i> , 2020, 18, 1361-1375.	4.1	11
45	Genes and nitrogen fuel wood formation. <i>New Phytologist</i> , 2009, 182, 783-785.	3.5	4