

Robert A Sharrock

List of Publications by Year in descending order

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31
papers

3,456
citations

304368

22
h-index

500791

28
g-index

31
all docs

31
docs citations

31
times ranked

3058
citing authors

#	ARTICLE	IF	CITATIONS
1	Maize polyubiquitin genes: structure, thermal perturbation of expression and transcript splicing, and promoter activity following transfer to protoplasts by electroporation. <i>Plant Molecular Biology</i> , 1992, 18, 675-689.	2.0	952
2	The phytochrome apoprotein family in <i>Arabidopsis</i> is encoded by five genes: the sequences and expression of PHYD and PHYE. <i>Plant Molecular Biology</i> , 1994, 25, 413-427.	2.0	593
3	Patterns of Expression and Normalized Levels of the Five <i>Arabidopsis</i> Phytochromes. <i>Plant Physiology</i> , 2002, 130, 442-456.	2.3	270
4	Phytochrome D Acts in the Shade-Avoidance Syndrome in <i>Arabidopsis</i> by Controlling Elongation Growth and Flowering Time ¹ . <i>Plant Physiology</i> , 1999, 119, 909-916.	2.3	247
5	A new role for phytochromes in temperature-dependent germination. <i>New Phytologist</i> , 2007, 174, 735-741.	3.5	110
6	Heterodimerization of type II phytochromes in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11500-11505.	3.3	109
7	Unanticipated regulatory roles for <i>Arabidopsis</i> phytochromes revealed by null mutant analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1542-1547.	3.3	107
8	Coordination of Phytochrome Levels in phyB Mutants of <i>Arabidopsis</i> as Revealed by Apoprotein-Specific Monoclonal Antibodies. <i>Genetics</i> , 1998, 149, 523-535.	1.2	103
9	Evolution of the Phytochrome Gene Family and Its Utility for Phylogenetic Analyses of Angiosperms. <i>Annals of the Missouri Botanical Garden</i> , 1995, 82, 296.	1.3	98
10	The phytochrome red/far-red photoreceptor superfamily. <i>Genome Biology</i> , 2008, 9, 230.	13.9	94
11	The hy3 Long Hypocotyl Mutant of <i>Arabidopsis</i> Is Deficient in Phytochrome B. <i>Plant Cell</i> , 1991, 3, 1263.	3.1	91
12	Diversification of phytochrome contributions to germination as a function of seed maturation environment. <i>New Phytologist</i> , 2008, 177, 367-379.	3.5	86
13	Obligate Heterodimerization of <i>Arabidopsis</i> Phytochromes C and E and Interaction with the PIF3 Basic Helix-Loop-Helix Transcription Factor. <i>Plant Cell</i> , 2009, 21, 786-799.	3.1	85
14	<i>Arabidopsis</i> phytochromes C and E have different spectral characteristics from those of phytochromes A and B. <i>FEBS Letters</i> , 2000, 470, 107-112.	1.3	78
15	Distinct Light and Clock Modulation of Cytosolic Free Ca ²⁺ Oscillations and Rhythmic <i>CHLOROPHYLL A/B BINDING PROTEIN2</i> Promoter Activity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 3474-3490.	3.1	77
16	The ACA10 Ca ²⁺ -ATPase Regulates Adult Vegetative Development and Inflorescence Architecture in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2008, 146, 323-324.	2.3	66
17	Monophyletic subgroups of the tribe Millettieae (Leguminosae) as revealed by phytochrome nucleotide sequence data. <i>American Journal of Botany</i> , 1998, 85, 412-433.	0.8	58
18	Transgenic complementation of the hy3 phytochrome B mutation and response to PHYB gene copy number in <i>Arabidopsis</i> . <i>Plant Journal</i> , 1994, 5, 261-272.	2.8	51

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19	THE Arabidopsis PHYTOCHROME A GENE HAS MULTIPLE TRANSCRIPTION START SITES AND A PROMOTER SEQUENCE MOTIF HOMOLOGOUS TO THE REPRESSOR ELEMENT OF MONOCOT PHYTOCHROME A GENES. <i>Photochemistry and Photobiology</i> , 1994, 59, 379-384.	1.3	36
20	New Roles of Phytochromes during Seed Germination. <i>International Journal of Plant Sciences</i> , 2008, 169, 531-540.	0.6	34
21	Differential activities of the Arabidopsis phyB/D/E phytochromes in complementing phyB mutant phenotypes. <i>Plant Molecular Biology</i> , 2003, 52, 135-142.	2.0	29
22	Comparative functional analysis of full-length and N-terminal fragments of phytochrome C, D and E in red light-induced signaling. <i>New Phytologist</i> , 2013, 200, 86-96.	3.5	25
23	Signaling activities among the Arabidopsis phyB/D/E-type phytochromes: a major role for the central region of the apoprotein. <i>Plant Journal</i> , 2003, 34, 317-326.	2.8	17
24	The Arabidopsis compact inflorescence genes: phase-specific growth regulation and the determination of inflorescence architecture. <i>Plant Journal</i> , 2001, 26, 549-559.	2.8	14
25	Directed dimerization: an <i>in vivo</i> expression system for functional studies of type II phytochromes. <i>Plant Journal</i> , 2013, 75, 915-926.	2.8	9
26	PHYTOCHROME GENES IN HIGHER PLANTS: STRUCTURE, EXPRESSION, AND EVOLUTION. , 2006, , 99-129.		8
27	Rapid sequence and functional diversification of a miRNA superfamily targeting calcium signaling components in seed plants. <i>New Phytologist</i> , 2022, 235, 1082-1095.	3.5	5
28	Biological activity and dimerization state of modified phytochrome A proteins. <i>PLoS ONE</i> , 2017, 12, e0186468.	1.1	2
29	Identification and molecular characterization of novel Rht1 alleles in hard red spring wheat. <i>Crop Science</i> , 2021, 61, 1030-1037.	0.8	2
30	Interactions of the Arabidopsis Type II Phytochromes. , 2005, , 51-56.		0
31	Rectification and Party Misdescription: To what extent is Rectification Competent or Useful?. <i>Potchefstroom Electronic Law Journal</i> , 2014, 17, 2194-2207.	0.1	0