Robert A Sharrock

List of Publications by Year
in descending order

31	3,456	304368 22	500791 28
papers	citations	h-index	g-index

31	31	31	3058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid sequence and functional diversification of a miRNA superfamily targeting calcium signaling components in seed plants. New Phytologist, 2022, 235, 1082-1095.	3.5	5
2	Identification and molecular characterization of novel Rhtâ€1 alleles in hard red spring wheat. Crop Science, 2021, 61, 1030-1037.	0.8	2
3	Biological activity and dimerization state of modified phytochrome A proteins. PLoS ONE, 2017, 12, e0186468.	1.1	2
4	Rectification and Party Misdescription: To what extent is Rectification Competent or Useful?. Potchefstroom Electronic Law Journal, 2014, 17, 2194-2207.	0.1	0
5	Directed dimerization: an in vivo expression system for functional studies of type <scp>II</scp> phytochromes. Plant Journal, 2013, 75, 915-926.	2.8	9
6	Comparative functional analysis of fullâ€length and Nâ€terminal fragments of phytochrome C, D and E in red lightâ€induced signaling. New Phytologist, 2013, 200, 86-96.	3.5	25
7	Unanticipated regulatory roles for Arabidopsis phytochromes revealed by null mutant analysis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1542-1547.	3.3	107
8	Obligate Heterodimerization ofArabidopsisPhytochromes C and E and Interaction with the PIF3 Basic Helix-Loop-Helix Transcription Factor. Plant Cell, 2009, 21, 786-799.	3.1	85
9	Diversification of phytochrome contributions to germination as a function of seedâ€maturation environment. New Phytologist, 2008, 177, 367-379.	3.5	86
10	The phytochrome red/far-red photoreceptor superfamily. Genome Biology, 2008, 9, 230.	13.9	94
11	The ACA10 Ca2+-ATPase Regulates Adult Vegetative Development and Inflorescence Architecture in Arabidopsis. Plant Physiology, 2008, 146, 323-324.	2.3	66
12	New Roles of Phytochromes during Seed Germination. International Journal of Plant Sciences, 2008, 169, 531-540.	0.6	34
13	Distinct Light and Clock Modulation of Cytosolic Free Ca2+ Oscillations and RhythmicCHLOROPHYLL A/B BINDING PROTEIN2Promoter Activity inArabidopsis. Plant Cell, 2007, 19, 3474-3490.	3.1	77
14	A new role for phytochromes in temperatureâ€dependent germination. New Phytologist, 2007, 174, 735-741.	3.5	110
15	PHYTOCHROME GENES IN HIGHER PLANTS: STRUCTURE,EXPRESSION, AND EVOLUTION. , 2006, , 99-129.		8
16	Interactions of the Arabidopsis Type II Phytochromes. , 2005, , 51-56.		0
17	Heterodimerization of type II phytochromes in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11500-11505.	3.3	109
18	Differential activities of the Arabidopsis phyB/D/E phytochromes in complementing phyB mutant phenotypes. Plant Molecular Biology, 2003, 52, 135-142.	2.0	29

#	Article	IF	Citations
19	Signaling activities among the Arabidopsis phyB/D/E-type phytochromes: a major role for the central region of the apoprotein. Plant Journal, 2003, 34, 317-326.	2.8	17
20	Patterns of Expression and Normalized Levels of the Five Arabidopsis Phytochromes. Plant Physiology, 2002, 130, 442-456.	2.3	270
21	The Arabidopsis compact inflorescence genes: phase-specific growth regulation and the determination of inflorescence architecture. Plant Journal, 2001, 26, 549-559.	2.8	14
22	Arabidopsisphytochromes C and E have different spectral characteristics from those of phytochromes A and B. FEBS Letters, 2000, 470, 107-112.	1.3	78
23	Phytochrome D Acts in the Shade-Avoidance Syndrome in Arabidopsis by Controlling Elongation Growth and Flowering Time1. Plant Physiology, 1999, 119, 909-916.	2.3	247
24	Monophyletic subgroups of the tribe Millettieae (Leguminosae) as revealed by phytochrome nucleotide sequence data. American Journal of Botany, 1998, 85, 412-433.	0.8	58
25	Coordination of Phytochrome Levels in phyB Mutants of Arabidopsis as Revealed by Apoprotein-Specific Monoclonal Antibodies. Genetics, 1998, 149, 523-535.	1.2	103
26	Evolution of the Phytochrome Gene Family and Its Utility for Phylogenetic Analyses of Angiosperms. Annals of the Missouri Botanical Garden, 1995, 82, 296.	1.3	98
27	The phytochrome apoprotein family inArabidopsis is encoded by five genes: the sequences and expression ofPHYD andPHYE. Plant Molecular Biology, 1994, 25, 413-427.	2.0	593
28	Transgenic complementation of the hy3 phytochrome B mutation and response to PHYB gene copy number in Arabidopsis. Plant Journal, 1994, 5, 261-272.	2.8	51
29	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. Photochemistry and Photobiology, 1994, 59, 379-384.	1.3	36
30	Maize polyubiquitin genes: structure, thermal perturbation of expression and transcript splicing, and promoter activity following transfer to protoplasts by electroporation. Plant Molecular Biology, 1992, 18, 675-689.	2.0	952
31	The hy3 Long Hypocotyl Mutant of Arabidopsis Is Deficient in Phytochrome B. Plant Cell, 1991, 3, 1263.	3.1	91