

Roman Ulm

List of Publications by Year in descending order

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54
papers

7,026
citations

94433

37
h-index

182427

51
g-index

67
all docs

67
docs citations

67
times ranked

5019
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual control of MAPK activities by AP2C1 and MKP1 MAPK phosphatases regulates defence responses in Arabidopsis. <i>Journal of Experimental Botany</i> , 2022, 73, 2369-2384.	4.8	12
2	Arabidopsis B-box transcription factors <i>BBX20</i> and <i>BBX22</i> promote UVR8-mediated photoreceptor-mediated responses. <i>Plant Journal</i> , 2022, 111, 422-439.	5.7	15
3	A constitutively monomeric UVR8 photoreceptor confers enhanced UV-B photomorphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
4	Perception and Signaling of Ultraviolet-B Radiation in Plants. <i>Annual Review of Plant Biology</i> , 2021, 72, 793-822.	18.7	67
5	Degradation of the transcription factors PIF4 and PIF5 under UV-B promotes UVR8-mediated inhibition of hypocotyl growth in Arabidopsis. <i>Plant Journal</i> , 2020, 101, 507-517.	5.7	76
6	UVR8-mediated inhibition of shade avoidance involves HFR1 stabilization in Arabidopsis. <i>PLoS Genetics</i> , 2020, 16, e1008797.	3.5	27
7	Cryptochrome-mediated blue-light signalling modulates UVR8 photoreceptor activity and contributes to UV-B tolerance in Arabidopsis. <i>Nature Communications</i> , 2020, 11, 1323.	12.8	55
8	UVR8-mediated inhibition of shade avoidance involves HFR1 stabilization in Arabidopsis. , 2020, 16, e1008797.		0
9	UVR8-mediated inhibition of shade avoidance involves HFR1 stabilization in Arabidopsis. , 2020, 16, e1008797.		0
10	UVR8-mediated inhibition of shade avoidance involves HFR1 stabilization in Arabidopsis. , 2020, 16, e1008797.		0
11	UVR8-mediated inhibition of shade avoidance involves HFR1 stabilization in Arabidopsis. , 2020, 16, e1008797.		0
12	Plant photoreceptors and their signaling components compete for COP1 binding via VP peptide motifs. <i>EMBO Journal</i> , 2019, 38, e102140.	7.8	114
13	Perception of Sunflecks by the UV-B Photoreceptor UV RESISTANCE LOCUS8. <i>Plant Physiology</i> , 2018, 177, 75-81.	4.8	40
14	Coping with "Dark Sides of the Sun" through Photoreceptor Signaling. <i>Trends in Plant Science</i> , 2018, 23, 260-271.	8.8	82
15	<i>Arabidopsis</i> RUP2 represses UVR8-mediated flowering in noninductive photoperiods. <i>Genes and Development</i> , 2018, 32, 1332-1343.	5.9	44
16	Photoreceptor-mediated regulation of the COP1/SPA E3 ubiquitin ligase. <i>Current Opinion in Plant Biology</i> , 2018, 45, 18-25.	7.1	200
17	Expression of the UVR8 photoreceptor in different tissues reveals tissue-autonomous features of UV-B signalling. <i>Plant, Cell and Environment</i> , 2017, 40, 1104-1114.	5.7	26
18	How plants cope with UV-B: from perception to response. <i>Current Opinion in Plant Biology</i> , 2017, 37, 42-48.	7.1	156

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19	COP1 is required for UV-B-induced nuclear accumulation of the UVR8 photoreceptor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4415-22.	7.1	119
20	UV-B photoreceptor-mediated protection of the photosynthetic machinery in <i>Chlamydomonas reinhardtii</i> . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14864-14869.	7.1	129
21	UV-B Perception and Acclimation in <i>Chlamydomonas reinhardtii</i> . Plant Cell, 2016, 28, 966-983.	6.6	116
22	A photoreceptor's on-off switch. Science, 2016, 354, 282-283.	12.6	3
23	Revisiting chromatin binding of the Arabidopsis UV-B photoreceptor UVR8. BMC Plant Biology, 2016, 16, 42.	3.6	33
24	Two Distinct Domains of the UVR8 Photoreceptor Interact with COP1 to Initiate UV-B Signaling in Arabidopsis. Plant Cell, 2015, 27, 202-213.	6.6	102
25	Q&A: How do plants sense and respond to UV-B radiation?. BMC Biology, 2015, 13, 45.	3.8	61
26	UV-B-Responsive Association of the <i>Arabidopsis</i> bZIP Transcription Factor ELONGATED HYPOCOTYL5 with Target Genes, Including Its Own Promoter. Plant Cell, 2014, 26, 4200-4213.	6.6	171
27	Photoreceptor-Mediated Bending towards UV-B in Arabidopsis. Molecular Plant, 2014, 7, 1041-1052.	8.3	68
28	Phosphorylation and Stabilization of Arabidopsis MAP Kinase Phosphatase 1 in Response to UV-B Stress. Journal of Biological Chemistry, 2013, 288, 480-486.	3.4	45
29	Reversion of the <i>Arabidopsis</i> UV-B photoreceptor UVR8 to the homodimeric ground state. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1113-1118.	7.1	179
30	The UVR8 UV-B Photoreceptor: Perception, Signaling and Response. The Arabidopsis Book, 2013, 11, e0164.	0.5	213
31	Constitutively active UVR8 photoreceptor variant in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20326-20331.	7.1	87
32	Multi-chromatic control of mammalian gene expression and signaling. Nucleic Acids Research, 2013, 41, e124-e124.	14.5	138
33	<i>ATR</i> and <i>MKP1</i> play distinct roles in response to UV stress in Arabidopsis. Plant Journal, 2013, 73, 1034-1043.	5.7	37
34	A Short Amino-Terminal Part of Arabidopsis Phytochrome A Induces Constitutive Photomorphogenic Response. Molecular Plant, 2012, 5, 629-641.	8.3	22
35	UV-B photoreceptor-mediated signalling in plants. Trends in Plant Science, 2012, 17, 230-237.	8.8	382
36	Functional interaction of the circadian clock and UV RESISTANCE LOCUS controlled UV signaling pathways in <i>Arabidopsis thaliana</i> . Plant Journal, 2011, 67, 37-48.	5.7	109

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37	Arabidopsis MAP Kinase Phosphatase 1 (AtMKP1) negatively regulates MPK6-mediated PAMP responses and resistance against bacteria. <i>Plant Journal</i> , 2011, 67, 258-268.	5.7	116
38	Arabidopsis MAP kinase phosphatase 1 and its target MAP kinases 3 and 6 antagonistically determine UV-B stress tolerance, independent of the UVR8 photoreceptor pathway. <i>Plant Journal</i> , 2011, 68, 727-737.	5.7	136
39	Perception of UV-B by the <i>Arabidopsis</i> UVR8 Protein. <i>Science</i> , 2011, 332, 103-106.	12.6	943
40	Light-regulated interactions with SPA proteins underlie cryptochrome-mediated gene expression: Figure 1.. <i>Genes and Development</i> , 2011, 25, 1004-1009.	5.9	34
41	The <i>Arabidopsis</i> bZIP transcription factor HY5 regulates expression of the <i>PFG1</i> / <i>MYB12</i> gene in response to light and ultraviolet-B radiation. <i>Plant, Cell and Environment</i> , 2010, 33, 88-103.	5.7	324
42	The Molecular and Physiological Responses of <i>Physcomitrella patens</i> to Ultraviolet-B Radiation Å. <i>Plant Physiology</i> , 2010, 153, 1123-1134.	4.8	152
43	Emerging functions for plant MAP kinase phosphatases. <i>Trends in Plant Science</i> , 2010, 15, 322-329.	8.8	101
44	Negative feedback regulation of UV-B-induced photomorphogenesis and stress acclimation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20132-20137.	7.1	224
45	MAP KINASE PHOSPHATASE1 and PROTEIN TYROSINE PHOSPHATASE1 Are Repressors of Salicylic Acid Synthesis and SNC1-Mediated Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 2884-2897.	6.6	216
46	Interaction of COP1 and UVR8 regulates UV-B-induced photomorphogenesis and stress acclimation in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2009, 28, 591-601.	7.8	559
47	Identification of a novel cis-regulatory element for UV-B-induced transcription in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2008, 54, 402-414.	5.7	51
48	CONSTITUTIVELY PHOTOMORPHOGENIC1 Is Required for the UV-B Response in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2006, 18, 1975-1990.	6.6	338
49	Signalling and gene regulation in response to ultraviolet light. <i>Current Opinion in Plant Biology</i> , 2005, 8, 477-482.	7.1	184
50	Genome-wide analysis of gene expression reveals function of the bZIP transcription factor HY5 in the UV-B response of <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1397-1402.	7.1	447
51	Tailor-made toxin target. <i>Trends in Plant Science</i> , 2002, 7, 196-197.	8.8	1
52	Revealing a savior of manly vigor in plants. <i>Trends in Plant Science</i> , 2002, 7, 482-483.	8.8	1
53	Distinct regulation of salinity and genotoxic stress responses by <i>Arabidopsis</i> MAP kinase phosphatase 1. <i>EMBO Journal</i> , 2002, 21, 6483-6493.	7.8	213
54	A conduit for T-DNA through the plant cell membrane: dig it yourself!. <i>Trends in Plant Science</i> , 2000, 5, 514.	8.8	1