Albrecht G Von Arnim

List of Publications by Year
in descending order

67 papers	4,751 citations	94433 37 h-index	114465 63 g-index
73 all docs	73 docs citations	73 times ranked	4686 citing authors

#	Article	IF	Citations
1	Light inactivation of arabidopsis photomorphogenic repressor COP1 involves a cell-specific regulation of its nucleocytoplasmic partitioning. Cell, 1994, 79, 1035-1045.	28.9	452
2	LIGHT CONTROL OF SEEDLING DEVELOPMENT. Annual Review of Plant Biology, 1996, 47, 215-243.	14.3	321
3	The COP9 Complex, a Novel Multisubunit Nuclear Regulator Involved in Light Control of a Plant Developmental Switch. Cell, 1996, 86, 115-121.	28.9	319
4	Cloning vectors for the expression of green fluorescent protein fusion proteins in transgenic plants. Gene, 1998, 221, 35-43.	2.2	232
5	The FAST technique: a simplified Agrobacterium-based transformation method for transient gene expression analysis in seedlings of Arabidopsis and other plant species. Plant Methods, 2009, 5, 6.	4.3	223
6	YABBYs and the Transcriptional Corepressors LEUNIG and LEUNIG_HOMOLOG Maintain Leaf Polarity and Meristem Activity in<i>Arabidopsis</i>Â. Plant Cell, 2009, 21, 3105-3118.	6.6	195
7	Regulation of plant translation by upstream open reading frames. Plant Science, 2014, 214, 1-12.	3.6	179
8	Overexpression of Arabidopsis COP1 results in partial suppression of light-mediated development: evidence for a light-inactivable repressor of photomorphogenesis.. Plant Cell, 1994, 6, 1391-1400.	6.6	164
9	Genetic and Developmental Control of Nuclear Accumulation of COP1, a Repressor of Photomorphogenesis in Arabidopsis. Plant Physiology, 1997, 114, 779-788.	4.8	135
10	Discrete Domains Mediate the Light-Responsive Nuclear and Cytoplasmic Localization of Arabidopsis COP1. Plant Cell, 1999, 11, 349-363.	6.6	131
11	Imaging protein interactions with bioluminescence resonance energy transfer (BRET) in plant and mammalian cells and tissues. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10264-10269.	7.1	130
12	The Arabidopsis repressor of light signaling, COP1, is regulated by nuclear exclusion: Mutational analysis by bioluminescence resonance energy transfer. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6798-6802.	7.1	119
13	Determinants of tomato golden mosaic virus symptom development located on DNA B. Virology, 1992, 186, 286-293.	2.4	112
14	Genetic and Molecular Analysis of an Allelic Series of cop1 Mutants Suggests Functional Roles for the Multiple Protein Domains. Plant Cell, 1994, 6, 487.	6.6	110
15	Translational Regulation via 5â€² mRNA Leader Sequences Revealed by Mutational Analysis of the Arabidopsis Translation Initiation Factor Subunit eIF3h. Plant Cell, 2004, 16, 3341-3356.	6.6	87
16	The h subunit of eIF3 promotes reinitiation competence during translation of mRNAs harboring upstream open reading frames. Rna, 2010, 16, 748-761.	3.5	83
17	The Circadian Clock Modulates Global Daily Cycles of mRNA Ribosome Loading. Plant Cell, 2015, 27, 2582-2599.	6.6	83
18	PCI complexes: pretty complex interactions in diverse signaling pathways. Trends in Plant Science, 2001, 6, 379-386.	8.8	78

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19	On the functions of the h subunit of eukaryotic initiation factor 3 in late stages of translation initiation. Genome Biology, 2007, 8, R60.	9.6	78
20	Known and novel post-transcriptional regulatory sequences are conserved across plant families. Rna, 2012, 18, 368-384.	3.5	77
21	Arabidopsis eIF3e (INT-6) Associates with Both eIF3c and the COP9 Signalosome Subunit CSN7. Journal of Biological Chemistry, 2001, 276, 334-340.	3.4	74
22	A suite of tools and application notes forin vivoprotein interaction assays using bioluminescence resonance energy transfer (BRET). Plant Journal, 2006, 48, 138-152.	5.7	71
23	Arabidopsis COP1 protein specifically interacts in vitro with a cytoskeleton-associated protein, CIP1.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4239-4243.	7.1	69
24	Specificity of Bipartite Geminivirus Movement Proteins. Virology, 1993, 196, 666-673.	2.4	64
25	Translational Regulation of Cytoplasmic mRNAs. The Arabidopsis Book, 2013, 11, e0165.	0.5	61
26	Translation reinitiation and development are compromised in similar ways by mutations in translation initiation factor eIF3h and the ribosomal protein RPL24. BMC Plant Biology, 2010, 10, 193.	3.6	60
27	Detection and Possible Functions of African Cassava Mosaic Virus DNA B Gene Products. Virology, 1993, 192, 264-272.	2.4	59
28	Inhibition of african cassava mosaic virus systemic infection by a movement protein from the related geminivirus tomato golden mosaic virus. Virology, 1992, 187, 555-564.	2.4	58
29	<i>FIERY1</i> regulates lightâ€mediated repression of cell elongation and flowering time via its 3â€²(2â€²),5â€²â€bisphosphate nucleotidase activity. Plant Journal, 2009, 58, 208-219.	5.7	58
30	Structureâ€“function studies on the active site of the coelenterazineâ€dependent luciferase from <i>Renilla</i>. Protein Science, 2008, 17, 725-735.	7.6	50
31	Phosphorylation of Ribosomal Protein RPS6 Integrates Light Signals and Circadian Clock Signals. Frontiers in Plant Science, 2017, 8, 2210.	3.6	49
32	Arabidopsis eIF3e is regulated by the COP9 signalosome and has an impact on development and protein translation. Plant Journal, 2008, 53, 300-311.	5.7	47
33	[12] Bioluminescence resonance energy transfer: Monitoring protein-protein interactions in living cells. Methods in Enzymology, 2003, 360, 289-301.	1.0	46
34	Modular Domain Structure of Arabidopsis COP1. Reconstitution of Activity by Fragment Complementation and Mutational Analysis of a Nuclear Localization Signal in Planta. Plant Physiology, 2000, 124, 979-990.	4.8	45
35	A Novel Motif Mediates the Targeting of the Arabidopsis COP1 Protein to Subnuclear Foci. Journal of Biological Chemistry, 1999, 274, 27231-27236.	3.4	42
36	Chemically Induced and Light-Independent Cryptochrome Photoreceptor Activation. Molecular Plant, 2008, 1, 4-14.	8.3	42

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37	Mutational optimization of the coelenterazine-dependent luciferase from Renilla. Plant Methods, 2008, 4, 23.	4.3	40
38	Translational gene regulation in plants: A green new deal. Wiley Interdisciplinary Reviews RNA, 2020, 11, e1597.	6.4	37
39	Light Activates the Translational Regulatory Kinase GCN2 via Reactive Oxygen Species Emanating from the Chloroplast. Plant Cell, 2020, 32, 1161-1178.	6.6	37
40	Repressors of photomorphogenesis. International Review of Cytology, 2002, 220, 185-223.	6.2	35
41	Epigenetic interactions between Arabidopsis transgenes: characterization in light of transgene integration sites. Plant Molecular Biology, 2003, 52, 217-231.	3.9	34
42	A role for transcriptional repression during light control of plant development. BioEssays, 1996, 18, 905-910.	2.5	32
43	Protein Homeostasis: A Degrading Role for Int6/eIF3e. Current Biology, 2003, 13, R323-R325.	3.9	30
44	On again â€" off again: COP9 signalosome turns the key on protein degradation. Current Opinion in Plant Biology, 2003, 6, 520-529.	7.1	29
45	In Vivo Detection of Proteinâ€"Protein Interaction in Plant Cells Using BRET. , 2004, 284, 271-286.		27
46	The Early Dark-Response in Arabidopsis thaliana Revealed by cDNA Microarray Analysis. Plant Molecular Biology, 2006, 60, 321-342.	3.9	27
47	Arabidopsis BPG2: a phytochrome-regulated gene whose protein product binds to plastid ribosomal RNAs. Planta, 2012, 236, 677-690.	3.2	22
48	The global translation profile in a ribosomal protein mutant resembles that of an eIF3 mutant. BMC Biology, 2013, 11, 123.	3.8	22
49	Translational Control of Arabidopsis Meristem Stability and Organogenesis by the Eukaryotic Translation Factor eIF3h. PLoS ONE, 2014, 9, e95396.	2.5	22
50	Light-Dependent Activation of the GCN2 Kinase Under Cold and Salt Stress Is Mediated by the Photosynthetic Status of the Chloroplast. Frontiers in Plant Science, 2020, 11, 431.	3.6	21
51	Analysis of mRNA Translation States in Arabidopsis Over the Diurnal Cycle by Polysome Microarray. Methods in Molecular Biology, 2014, 1158, 157-174.	0.9	21
52	Arabidopsis COP8, COP10, and COP11 Genes Are Involved in Repression of Photomorphogenic Development in Darkness. Plant Cell, 1994, 6, 629.	6.6	17
53	Isolation and characterization of a gene encoding a chlorophyll a/b-binding protein from mustard and the targeting of the encoded protein to the thylakoid membrane of pea chloroplasts in vitro. Plant Molecular Biology, 1992, 19, 277-287.	3.9	12
54	Epigenetic history of an Arabidopsis trans-silencer locus and a test for relay of trans-silencing activity. BMC Plant Biology, 2002, 2, 11.	3.6	10

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55	Novel plant activation-tagging vectors designed to minimize 35S enhancer-mediated gene silencing. Plant Molecular Biology Reporter, 2003, 21, 349-358.	1.8	10
56	ErbB-3 BINDING PROTEIN 1 Regulates Translation and Counteracts RETINOBLASTOMA RELATED to Maintain the Root Meristem. Plant Physiology, 2020, 182, 919-932.	4.8	10
57	Fluorescence-Tagged Transgenic Lines Reveal Genetic Defects in Pollen Growthâ€"Application to the Eif3 Complex. PLoS ONE, 2011, 6, e17640.	2.5	10
58	What makes ribosomes tick?. RNA Biology, 2018, 15, 44-54.	3.1	9
59	Early Detection of Daylengths with a Feedforward Circuit Coregulated by Circadian and Diurnal Cycles. Biophysical Journal, 2020, 119, 1878-1895.	0.5	7
60	Review: Emerging roles of the signaling network of the protein kinase GCN2 in the plant stress response. Plant Science, 2022, 320, 111280.	3.6	5
61	Phytochrome in the limelight. Trends in Plant Science, 1999, 4, 465-466.	8.8	4
62	Graduate Training at the Interface of Computational and Experimental Biology: An Outcome Report from a Partnership of Volunteers between a University and a National Laboratory. CBE Life Sciences Education, 2017, 16, ar61.	2.3	4
63	Discrete Domains Mediate the Light-Responsive Nuclear and Cytoplasmic Localization of Arabidopsis COP1. Plant Cell, 1999, 11, 349.	6.6	0
64	Meeting report: processing, translation, decay â€" three ways to keep RNA sizzling. Plant, Cell and Environment, 2016, 39, 2624-2628.	5.7	0
65	Molecular Approaches to the Study of Plant Development. , 2004, , 119-141.		0
66	UORF-mediated Translational Control in Eukaryotes. , 2013, , 2325-2328.		0
67	Optimizing environmental conditions and image processing as a means for simplifying BRET imaging. FASEB Journal, 2013, 27, 574.8.	0.5	0