

# Lars Hennig

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5575843/lars-hennig-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113  
papers

10,096  
citations

49  
h-index

100  
g-index

121  
ext. papers

11,523  
ext. citations

7.8  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
113	Role of H1 and DNA methylation in selective regulation of transposable elements during heat stress. <i>New Phytologist</i> , <b>2021</b> , 229, 2238-2250	9.8	14
112	Polycomb Repressive Complex 2 and KRYPTONITE regulate pathogen-induced programmed cell death in Arabidopsis. <i>Plant Physiology</i> , <b>2021</b> , 185, 2003-2021	6.6	2
111	H2A ubiquitination is essential for Polycomb Repressive Complex 1-mediated gene regulation in <i>Marchantia polymorpha</i> . <i>Genome Biology</i> , <b>2021</b> , 22, 253	18.3	2
110	Removal of H2Aub1 by ubiquitin-specific proteases 12 and 13 is required for stable Polycomb-mediated gene repression in Arabidopsis. <i>Genome Biology</i> , <b>2020</b> , 21, 144	18.3	12
109	Dark-Induced Senescence Causes Localized Changes in DNA Methylation. <i>Plant Physiology</i> , <b>2020</b> , 182, 949-961	6.6	2
108	Polycomb Repressive Complex 2-mediated histone modification H3K27me3 is associated with embryogenic potential in Norway spruce. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 6366-6378	7	3
107	Tissue-specific transposon-associated small RNAs in the gymnosperm tree, Norway spruce. <i>BMC Genomics</i> , <b>2019</b> , 20, 997	4.5	8
106	Transgenerational phenotype aggravation in CAF-1 mutants reveals parent-of-origin specific epigenetic inheritance. <i>New Phytologist</i> , <b>2018</b> , 220, 908-921	9.8	10
105	North European invasion by common ragweed is associated with early flowering and dominant changes in FT/TFL1 expression. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 2647-2658	7	7
104	Mapping of Histone Modifications in Plants by Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1675, 131-145	1.4	2
103	Histone Deubiquitination Assay in. <i>Bio-protocol</i> , <b>2018</b> , 8, e2746	0.9	
102	Convergent evolution of complex genomic rearrangements in two fungal meiotic drive elements. <i>Nature Communications</i> , <b>2018</b> , 9, 4242	17.4	28
101	H3K23me1 is an evolutionarily conserved histone modification associated with CG DNA methylation in Arabidopsis. <i>Plant Journal</i> , <b>2017</b> , 90, 293-303	6.9	10
100	Inheritance of vernalization memory at FLOWERING LOCUS C during plant regeneration. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 2813-2819	7	7
99	Hyperactivity of the cryptochrome (cry1) L407F mutant is caused by a structural alteration close to the cry1 ATP-binding site. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12906-12920	5.4	4
98	Applying the INTACT method to purify endosperm nuclei and to generate parental-specific epigenome profiles. <i>Nature Protocols</i> , <b>2017</b> , 12, 238-254	18.8	36
97	PRC2 Represses Hormone-Induced Somatic Embryogenesis in Vegetative Tissue of Arabidopsis thaliana. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006562	6	57

96	Arabidopsis Chromatin Assembly Factor 1 is required for occupancy and position of a subset of nucleosomes. <i>Plant Journal</i> , <b>2017</b> , 92, 363-374	6.9	15
95	Lost Memories of Winter: Breaking the FLC Silence. <i>Molecular Plant</i> , <b>2017</b> , 10, 1477-1479	14.4	
94	Salicylic acid interferes with GFP fluorescence in vivo. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 1689-1696	4	
93	FLOWERING LOCUS T Triggers Early and Fertile Flowering in Glasshouse Cassava ( <i>Manihot esculenta</i> Crantz). <i>Plants</i> , <b>2017</b> , 6,	4.5	18
92	Auxin production in the endosperm drives seed coat development in. <i>ELife</i> , <b>2016</b> , 5,	8.9	102
91	The H3 chaperone function of NASP is conserved in Arabidopsis. <i>Plant Journal</i> , <b>2016</b> , 88, 425-436	6.9	11
90	H2A deubiquitinases UBP12/13 are part of the Arabidopsis polycomb group protein system. <i>Nature Plants</i> , <b>2016</b> , 2, 16126	11.5	36
89	The WD40 Domain Protein MSI1 Functions in a Histone Deacetylase Complex to Fine-Tune Abscisic Acid Signaling. <i>Plant Cell</i> , <b>2016</b> , 28, 42-54	11.6	76
88	BRR2a Affects Flowering Time via FLC Splicing. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1005924	6	35
87	A Structural Bisulfite Assay to Identify DNA Cruciforms. <i>Molecular Plant</i> , <b>2016</b> , 9, 1328-1336	14.4	5
86	H3K36ac Is an Evolutionary Conserved Plant Histone Modification That Marks Active Genes. <i>Plant Physiology</i> , <b>2016</b> , 170, 1566-77	6.6	55
85	Diurnal changes in the histone H3 signature H3K9ac H3K27ac H3S28p are associated with diurnal gene expression in Arabidopsis. <i>Plant, Cell and Environment</i> , <b>2016</b> , 39, 2557-2569	8.4	23
84	Stress-induced chromatin changes in plants: of memories, metabolites and crop improvement. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 1261-73	10.3	68
83	A long photoperiod relaxes energy management in Arabidopsis leaf six. <i>Current Plant Biology</i> , <b>2015</b> , 2, 34-45	3.3	19
82	Keeping the gate closed: functions of the polycomb repressive complex PRC2 in development. <i>Plant Journal</i> , <b>2015</b> , 83, 121-32	6.9	93
81	Chromatin assembly factor CAF-1 represses priming of plant defence response genes. <i>Nature Plants</i> , <b>2015</b> , 1, 15127	11.5	43
80	Organizer-Derived WOX5 Signal Maintains Root Columella Stem Cells through Chromatin-Mediated Repression of CDF4 Expression. <i>Developmental Cell</i> , <b>2015</b> , 33, 576-88	10.2	203
79	The polycomb group protein regulatory network. <i>Annual Review of Plant Biology</i> , <b>2015</b> , 66, 269-96	30.7	140

78	Variations on a theme: Polycomb group proteins in plants. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 2769-84	67	
77	Chromatin: domestication of the monsters. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 2767-8	7	1
76	Arabidopsis replacement histone variant H3.3 occupies promoters of regulated genes. <i>Genome Biology</i> , <b>2014</b> , 15, R62	18.3	46
75	Natural CMT2 variation is associated with genome-wide methylation changes and temperature seasonality. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004842	6	84
74	Arabidopsis MSI1 functions in photoperiodic flowering time control. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 77	6.2	24
73	Gene regulatory variation mediates flowering responses to vernalization along an altitudinal gradient in Arabidopsis. <i>Plant Physiology</i> , <b>2014</b> , 166, 1928-42	6.6	23
72	Remodelling chromatin to shape development of plants. <i>Experimental Cell Research</i> , <b>2014</b> , 321, 40-6	4.2	44
71	Transcript profiling in Arabidopsis with genome tiling microarrays. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1067, 35-49	1.4	3
70	Arabidopsis MSI1 connects LHP1 to PRC2 complexes. <i>EMBO Journal</i> , <b>2013</b> , 32, 2073-85	13	159
69	Measuring Arabidopsis chromatin accessibility using DNase I-polymerase chain reaction and DNase I-chip assays. <i>Plant Physiology</i> , <b>2013</b> , 162, 1794-801	6.6	19
68	Increased maternal genome dosage bypasses the requirement of the FIS polycomb repressive complex 2 in Arabidopsis seed development. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003163	6	43
67	Analysis of functional redundancies within the Arabidopsis TCP transcription factor family. <i>Journal of Experimental Botany</i> , <b>2013</b> , 64, 5673-85	7	83
66	Distinct modes of DNA accessibility in plant chromatin. <i>Nature Communications</i> , <b>2012</b> , 3, 1281	17.4	40
65	Systems analysis of plant functional, transcriptional, physical interaction, and metabolic networks. <i>Plant Cell</i> , <b>2012</b> , 24, 3859-75	11.6	76
64	Systems-based analysis of Arabidopsis leaf growth reveals adaptation to water deficit. <i>Molecular Systems Biology</i> , <b>2012</b> , 8, 606	12.2	163
63	Plant gene regulation in response to abiotic stress. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2012</b> , 1819, 85	6	18
62	Evaluation of alternative RNA labeling protocols for transcript profiling with Arabidopsis AGRONOMICS1 tiling arrays. <i>Plant Methods</i> , <b>2012</b> , 8, 18	5.8	7
61	Integration of stress-related and reactive oxygen species-mediated signals by Topoisomerase VI in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16360-5	11.5	40

60	Causal stability ranking. <i>Bioinformatics</i> , <b>2012</b> , 28, 2819-23	7.2	38
59	Plastid proteome assembly without Toc159: photosynthetic protein import and accumulation of N-acetylated plastid precursor proteins. <i>Plant Cell</i> , <b>2011</b> , 23, 3911-28	11.6	68
58	RETINOBLASTOMA-RELATED PROTEIN controls the transition to autotrophic plant development. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 2977-86	6.6	41
57	Ectopic gene expression and organogenesis in Arabidopsis mutants missing BRU1 required for genome maintenance. <i>Genetics</i> , <b>2011</b> , 189, 83-95	4	13
56	Probing the reproducibility of leaf growth and molecular phenotypes: a comparison of three Arabidopsis accessions cultivated in ten laboratories. <i>Plant Physiology</i> , <b>2010</b> , 152, 2142-57	6.6	110
55	Gene expression analysis, proteomics, and network discovery. <i>Plant Physiology</i> , <b>2010</b> , 152, 402-10	6.6	85
54	Arabidopsis RETINOBLASTOMA-RELATED is required for stem cell maintenance, cell differentiation, and lateral organ production. <i>Plant Cell</i> , <b>2010</b> , 22, 1792-811	11.6	126
53	H3K27me3 profiling of the endosperm implies exclusion of polycomb group protein targeting by DNA methylation. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1001152	6	147
52	AGRONOMICS1: a new resource for Arabidopsis transcriptome profiling. <i>Plant Physiology</i> , <b>2010</b> , 152, 487-99	6.6	56
51	A gain-of-function mutation of Arabidopsis cryptochrome1 promotes flowering. <i>Plant Physiology</i> , <b>2010</b> , 154, 1633-45	6.6	37
50	Growth protocols for model plants in developmental biology. <i>Methods in Molecular Biology</i> , <b>2010</b> , 655, 1-10	1.4	2
49	Regulation of cell identity by plant Polycomb and trithorax group proteins. <i>Current Opinion in Genetics and Development</i> , <b>2010</b> , 20, 541-7	4.9	57
48	Flowering time control. <i>Methods in Molecular Biology</i> , <b>2010</b> , 655, 229-37	1.4	9
47	Global transcript profiling of transgenic plants constitutively overexpressing the RNA-binding protein AtGRP7. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 221	5.3	48
46	Imprinting of the polycomb group gene MEDEA serves as a ploidy sensor in Arabidopsis. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000663	6	105
45	CHD3 proteins and polycomb group proteins antagonistically determine cell identity in Arabidopsis. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000605	6	124
44	Arabidopsis MSI1 is required for negative regulation of the response to drought stress. <i>Molecular Plant</i> , <b>2009</b> , 2, 675-687	14.4	83
43	Diversity of Polycomb group complexes in plants: same rules, different players?. <i>Trends in Genetics</i> , <b>2009</b> , 25, 414-23	8.5	203

42	The chromodomain of LIKE HETEROCHROMATIN PROTEIN 1 is essential for H3K27me3 binding and function during Arabidopsis development. <i>PLoS ONE</i> , <b>2009</b> , 4, e5335	3.7	99
41	Control of trichome branching by chromatin assembly factor-1. <i>BMC Plant Biology</i> , <b>2008</b> , 8, 54	5.3	22
40	Chromatin rearrangements in development. <i>Current Opinion in Plant Biology</i> , <b>2008</b> , 11, 64-9	9.9	48
39	PlantDB - a versatile database for managing plant research. <i>Plant Methods</i> , <b>2008</b> , 4, 1	5.8	49
38	FLC or not FLC: the other side of vernalization. <i>Journal of Experimental Botany</i> , <b>2008</b> , 59, 1127-35	7	93
37	EVE (external variance estimation) increases statistical power for detecting differentially expressed genes. <i>Plant Journal</i> , <b>2007</b> , 52, 561-9	6.9	5
36	Polycomb group proteins function in the female gametophyte to determine seed development in plants. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 3639-48	6.6	33
35	Patterns of beauty--omics meets plant development. <i>Trends in Plant Science</i> , <b>2007</b> , 12, 287-93	13.1	28
34	Case studies for transcriptional profiling. <i>Exs</i> , <b>2007</b> , 97, 87-97		
33	A systematic comparison and evaluation of biclustering methods for gene expression data. <i>Bioinformatics</i> , <b>2006</b> , 22, 1122-9	7.2	626
32	Chromatin assembly factor CAF-1 is required for cellular differentiation during plant development. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 4163-72	6.6	94
31	Regulation of flowering time by Arabidopsis MSI1. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 1693-702	6.6	76
30	Polycomb-group proteins repress the floral activator AGL19 in the FLC-independent vernalization pathway. <i>Genes and Development</i> , <b>2006</b> , 20, 1667-78	12.6	146
29	Functional genomic analysis of CAF-1 mutants in Arabidopsis thaliana. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 9560-8	5.4	101
28	Genome-wide identification of potential plant E2F target genes. <i>Plant Physiology</i> , <b>2005</b> , 139, 316-28	6.6	187
27	Gene-expression analysis and network discovery using Genevestigator. <i>Trends in Plant Science</i> , <b>2005</b> , 10, 407-9	13.1	225
26	MSI1-like proteins: an escort service for chromatin assembly and remodeling complexes. <i>Trends in Cell Biology</i> , <b>2005</b> , 15, 295-302	18.3	132
25	Transcriptional programs of early reproductive stages in Arabidopsis. <i>Plant Physiology</i> , <b>2004</b> , 135, 1765-756		110

24	GENEVESTIGATOR. Arabidopsis microarray database and analysis toolbox. <i>Plant Physiology</i> , <b>2004</b> , 136, 2621-32	6.6	2091
23	Sparse graphical Gaussian modeling of the isoprenoid gene network in Arabidopsis thaliana. <i>Genome Biology</i> , <b>2004</b> , 5, R92	18.3	229
22	Genome-wide gene expression in an Arabidopsis cell suspension. <i>Plant Molecular Biology</i> , <b>2003</b> , 53, 423-426	4.6	198
21	Arabidopsis transcript profiling on Affymetrix GeneChip arrays. <i>Plant Molecular Biology</i> , <b>2003</b> , 53, 457-65	4.6	49
20	Arabidopsis MSI1 is a component of the MEA/FIE Polycomb group complex and required for seed development. <i>EMBO Journal</i> , <b>2003</b> , 22, 4804-14	13	322
19	Arabidopsis MSI1 is required for epigenetic maintenance of reproductive development. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 2555-65	6.6	180
18	The Polycomb-group protein MEDEA regulates seed development by controlling expression of the MADS-box gene PHERES1. <i>Genes and Development</i> , <b>2003</b> , 17, 1540-53	12.6	316
17	Inactivation of the phloem-specific Dof zinc finger gene DAG1 affects response to light and integrity of the testa of Arabidopsis seeds. <i>Plant Physiology</i> , <b>2002</b> , 128, 411-7	6.6	79
16	Chromatin-remodeling and memory factors. New regulators of plant development. <i>Plant Physiology</i> , <b>2002</b> , 130, 1090-101	6.6	96
15	Cell cycle-regulated gene expression in Arabidopsis. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 41987-2092	9.2	182
14	Phytochrome E Controls Light-Induced Germination of Arabidopsis. <i>Plant Physiology</i> , <b>2002</b> , 128, 194-200	6.6	147
13	Phytochrome E controls light-induced germination of Arabidopsis. <i>Plant Physiology</i> , <b>2002</b> , 128, 194-200	6.6	44
12	Both subunits of the dimeric plant photoreceptor phytochrome require chromophore for stability of the far-red light-absorbing form. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 7913-8	5.4	37
11	Negative interference of endogenous phytochrome B with phytochrome A function in Arabidopsis. <i>Plant Physiology</i> , <b>2001</b> , 125, 1036-44	6.6	39
10	Recombinant phytochrome A in yeast differs by its spectroscopic and photochemical properties from the major phyA <sup>Tand</sup> and is close to the minor phyA <sup>"</sup> : evidence for posttranslational modification of the pigment in plants. <i>Photochemistry and Photobiology</i> , <b>2001</b> , 73, 692-6	3.6	4
9	Degradation of phytochrome A and the high irradiance response in Arabidopsis: a kinetic analysis. <i>Plant, Cell and Environment</i> , <b>2000</b> , 23, 727-734	8.4	32
8	Variation in dynamics of phytochrome A in Arabidopsis ecotypes and mutants. <i>Plant, Cell and Environment</i> , <b>2000</b> , 23, 311-319	8.4	27
7	WinGene/WinPep: user-friendly software for the analysis of amino acid sequences. <i>BioTechniques</i> , <b>1999</b> , 26, 1170-2	2.5	59

6	Dynamic properties of endogenous phytochrome A in Arabidopsis seedlings. <i>Plant Physiology</i> , <b>1999</b> , 121, 571-7	6.6	67
5	Control of hypocotyl elongation in Arabidopsis thaliana by photoreceptor interaction. <i>Planta</i> , <b>1999</b> , 208, 257-63	4.7	43
4	Functional interaction of cryptochrome 1 and phytochrome D. <i>Plant Journal</i> , <b>1999</b> , 20, 289-94	6.9	30
3	Protein purification with C-terminal fusion of maltose binding protein. <i>Protein Expression and Purification</i> , <b>1998</b> , 14, 367-70	2	8
2	Selective inactivation of parvulin-like peptidyl-prolyl cis/trans isomerases by juglone. <i>Biochemistry</i> , <b>1998</b> , 37, 5953-60	3.2	251
1	H2A ubiquitination is essential for Polycomb Repressive Complex 1-mediated gene regulation in <i>Marchantia polymorpha</i>		1