

# Andreas Madlung

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

3,797  
citations

430874

18  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding mechanisms of novel gene expression in polyploids. <i>Trends in Genetics</i> , 2003, 19, 141-147.	6.7	812
2	Genomewide Nonadditive Gene Regulation in Arabidopsis Allotetraploids. <i>Genetics</i> , 2006, 172, 507-517.	2.9	527
3	Polyploidy and its effect on evolutionary success: old questions revisited with new tools. <i>Heredity</i> , 2013, 110, 99-104.	2.6	395
4	Remodeling of DNA Methylation and Phenotypic and Transcriptional Changes in Synthetic Arabidopsis Allotetraploids. <i>Plant Physiology</i> , 2002, 129, 733-746.	4.8	361
5	Stochastic and Epigenetic Changes of Gene Expression in Arabidopsis Polyploids. <i>Genetics</i> , 2004, 167, 1961-1973.	2.9	323
6	Genomic changes in synthetic Arabidopsis polyploids. <i>Plant Journal</i> , 2005, 41, 221-230.	5.7	320
7	The Effect of Stress on Genome Regulation and Structure. <i>Annals of Botany</i> , 2004, 94, 481-495.	2.9	262
8	Chromosomal locus rearrangements are a rapid response to formation of the allotetraploid Arabidopsis suecica genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18240-18245.	7.1	251
9	Polyploidy in the Arabidopsis genus. <i>Chromosome Research</i> , 2014, 22, 117-134.	2.2	79
10	The development of an Arabidopsis model system for genome-wide analysis of polyploidy effects. <i>Biological Journal of the Linnean Society</i> , 2004, 82, 689-700.	1.6	69
11	Ethylene Plays Multiple Nonprimary Roles in Modulating the Gravitropic Response in Tomato1. <i>Plant Physiology</i> , 1999, 120, 897-906.	4.8	58
12	Sensitivity of 70-mer oligonucleotides and cDNAs for microarray analysis of gene expression in Arabidopsis and its related species. <i>Plant Biotechnology Journal</i> , 2004, 2, 45-57.	8.3	55
13	Allopolyploidization Lays the Foundation for Evolution of Distinct Populations: Evidence From Analysis of Synthetic Arabidopsis Allohexaploids. <i>Genetics</i> , 2012, 191, 535-547.	2.9	44
14	Differential sensitivity of the Arabidopsis thaliana transcriptome and enhancers to the effects of genome doubling. <i>New Phytologist</i> , 2010, 186, 194-206.	7.3	39
15	Environmental Regulation of Heterosis in the Allopolyploid Arabidopsis suecica. <i>Plant Physiology</i> , 2016, 170, 2251-2263.	4.8	33
16	Mitotic instability in resynthesized and natural polyploids of the genus Arabidopsis (Brassicaceae). <i>American Journal of Botany</i> , 2009, 96, 1656-1664.	1.7	32
17	Assessing an effective undergraduate module teaching applied bioinformatics to biology students. <i>PLoS Computational Biology</i> , 2018, 14, e1005872.	3.2	31
18	A Study Assessing the Potential of Negative Effects in Interdisciplinary Math-Biology Instruction. <i>CBE Life Sciences Education</i> , 2011, 10, 43-54.	2.3	18

#	ARTICLE	IF	CITATIONS
19	Photoperiod-dependent floral reversion in the natural allopolyploid <i>Arabidopsis suecica</i> . <i>New Phytologist</i> , 2010, 186, 239-250.	7.3	16
20	The Chemistry behind the Air Bag: High Tech in First-Year Chemistry. <i>Journal of Chemical Education</i> , 1996, 73, 347.	2.3	14
21	Natural variation and persistent developmental instabilities in geographically diverse accessions of the allopolyploid <i>Arabidopsis suecica</i> . <i>Physiologia Plantarum</i> , 2012, 144, 123-133.	5.2	14
22	Phytochrome A Regulates Carbon Flux in Dark Grown Tomato Seedlings. <i>Frontiers in Plant Science</i> , 2019, 10, 152.	3.6	13
23	Introduction to the Statistical Analysis of Two-Color Microarray Data. <i>Methods in Molecular Biology</i> , 2010, 620, 287-313.	0.9	9
24	Floral Reversion in <i>Arabidopsis suecica</i> Is Correlated with the Onset of Flowering and Meristem Transitioning. <i>PLoS ONE</i> , 2015, 10, e0127897.	2.5	9
25	Natural variation in stress response gene activity in the allopolyploid <i>Arabidopsis suecica</i> . <i>BMC Genomics</i> , 2017, 18, 653.	2.8	7
26	Subfunctionalization of phytochrome B1/B2 leads to differential auxin and photosynthetic responses. <i>Plant Direct</i> , 2020, 4, e00205.	1.9	6