

David W Meinke

List of Publications by Year in descending order

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48
papers

5,518
citations

87888

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206112

48
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49
all docs

49
docs citations

49
times ranked

5739
citing authors

#	ARTICLE	IF	CITATIONS
1	DICER-LIKE1: blind men and elephants in Arabidopsis development. Trends in Plant Science, 2002, 7, 487-491.	8.8	464
2	Identification of Genes Required for Embryo Development in Arabidopsis. Plant Physiology, 2004, 135, 1206-1220.	4.8	440
3	The development of Arabidopsis as a model plant. Plant Journal, 2010, 61, 909-921.	5.7	340
4	Insertional Mutagenesis of Genes Required for Seed Development in Arabidopsis thaliana. Genetics, 2001, 159, 1751-1763.	2.9	282
5	Identification of Nuclear Genes Encoding Chloroplast-Localized Proteins Required for Embryo Development in Arabidopsis. Plant Physiology, 2011, 155, 1678-1689.	4.8	232
6	The titan mutants of Arabidopsis are disrupted in mitosis and cell cycle control during seed development. Plant Journal, 1998, 16, 21-31.	5.7	229
7	Identifying essential genes in Arabidopsis thaliana. Trends in Plant Science, 2008, 13, 483-491.	8.8	222
8	FPA, a Gene Involved in Floral Induction in Arabidopsis, Encodes a Protein Containing RNA-Recognition Motifs. Plant Cell, 2001, 13, 1427-1436.	6.6	193
9	Short Integuments1/suspensor1/carpel Factory, a Dicer Homolog, Is a Maternal Effect Gene Required for Embryo Development in Arabidopsis. Plant Physiology, 2002, 130, 808-822.	4.8	171
10	Genetic and molecular characterization of embryonic mutants identified following seed transformation in Arabidopsis. Molecular Genetics and Genomics, 1993, 241-241, 504-514.	2.4	164
11	Plant Embryogenesis. Critical Reviews in Plant Sciences, 1997, 16, 535-576.	5.7	159
12	A Comprehensive Dataset of Genes with a Loss-of-Function Mutant Phenotype in Arabidopsis. Plant Physiology, 2012, 158, 1115-1129.	4.8	152
13	Embryogenic Transformation of the Suspensor in twin, a Polyembryonic Mutant of Arabidopsis. Developmental Biology, 1994, 165, 566-573.	2.0	142
14	Embryo-lethal mutants of Arabidopsis thaliana. Developmental Biology, 1979, 72, 50-61.	2.0	137
15	The Arabidopsis SeedGenes Project. Nucleic Acids Research, 2003, 31, 90-93.	14.5	122
16	A cytokinesis-defective mutant of Arabidopsis (cyt1) characterized by embryonic lethality, incomplete cell walls, and excessive callose accumulation. Plant Journal, 1998, 15, 321-332.	5.7	119
17	Condensin and cohesin knockouts in Arabidopsis exhibit a titan seed phenotype. Plant Journal, 2002, 29, 405-415.	5.7	119
18	Requirement of aminoacyl-tRNA synthetases for gametogenesis and embryo development in Arabidopsis. Plant Journal, 2005, 44, 866-878.	5.7	119

#	ARTICLE	IF	CITATIONS
19	Genome-wide identification of <i>EMBRYO</i> <i>DEFECTIVE</i> (<i>EMB</i>) genes required for growth and development in Arabidopsis. <i>New Phytologist</i> , 2020, 226, 306-325.	7.3	114
20	Leafy Cotyledon Mutants of Arabidopsis. <i>Plant Cell</i> , 1994, 6, 1049.	6.6	103
21	An embryo-lethal mutant of Arabidopsis thaliana is a biotin auxotroph. <i>Developmental Biology</i> , 1989, 131, 161-167.	2.0	102
22	The TITAN5 Gene of Arabidopsis Encodes a Protein Related to the ADP Ribosylation Factor Family of GTP Binding Proteins. <i>Plant Cell</i> , 2000, 12, 1379-1392.	6.6	101
23	Diversity of TITAN Functions in Arabidopsis Seed Development. <i>Plant Physiology</i> , 2002, 128, 38-51.	4.8	101
24	An Embryo-Defective Mutant of Arabidopsis Disrupted in the Final Step of Biotin Synthesis. <i>Plant Physiology</i> , 1998, 116, 935-946.	4.8	100
25	Saturating the genetic map of Arabidopsis thaliana with embryonic mutations. <i>Plant Journal</i> , 1995, 7, 341-350.	5.7	97
26	A Sequence-Based Map of Arabidopsis Genes with Mutant Phenotypes. <i>Plant Physiology</i> , 2003, 131, 409-418.	4.8	78
27	Molecular Foundations of Reproductive Lethality in Arabidopsis thaliana. <i>PLoS ONE</i> , 2011, 6, e28398.	2.5	78
28	Community standards for Arabidopsis genetics. <i>Plant Journal</i> , 1997, 12, 247-253.	5.7	74
29	Genetic Dissection of Histidine Biosynthesis in Arabidopsis. <i>Plant Physiology</i> , 2007, 144, 890-903.	4.8	71
30	ABNORMAL DEVELOPMENT OF THE SUSPENSOR IN AN EMBRYO-LETHAL MUTANT OF ARABIDOPSIS THALIANA. <i>American Journal of Botany</i> , 1985, 72, 1801-1812.	1.7	62
31	Disruption of morphogenesis and transformation of the suspensor in abnormal suspensor mutants of Arabidopsis. <i>Development (Cambridge)</i> , 1994, 120, 3235-45.	2.5	57
32	Mapping genes essential for embryo development in Arabidopsis thaliana. <i>Molecular Genetics and Genomics</i> , 1991, 227, 337-347.	2.4	56
33	An ontology approach to comparative phenomics in plants. <i>Plant Methods</i> , 2015, 11, 10.	4.3	53
34	Isolation and characterization of six embryo-lethal mutants of Arabidopsis thaliana. <i>Developmental Biology</i> , 1979, 72, 62-72.	2.0	49
35	A Bifunctional Locus (<i>BIO3</i> - <i>BIO1</i>) Required for Biotin Biosynthesis in Arabidopsis. <i>Plant Physiology</i> , 2008, 146, 60-73.	4.8	45
36	Integrating the Genetic and Physical Maps of Arabidopsis thaliana: Identification of Mapped Alleles of Cloned Essential (EMB) Genes. <i>PLoS ONE</i> , 2009, 4, e7386.	2.5	45

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37	Natural Variation in Sensitivity to a Loss of Chloroplast Translation in Arabidopsis. Plant Physiology, 2014, 166, 2013-2027.	4.8	45
38	Diversity of TITAN functions in Arabidopsis seed development. Plant Physiology, 2002, 128, 38-51.	4.8	45
39	Embryonic mutants of Arabidopsis thaliana. Genesis, 1991, 12, 382-392.	2.1	40
40	High-frequency plant regeneration from cultured cotyledons of Arabidopsis thaliana. Plant Cell Reports, 1988, 7, 233-237.	5.6	32
41	A survey of dominant mutations in Arabidopsis thaliana. Trends in Plant Science, 2013, 18, 84-91.	8.8	31
42	ULTRASTRUCTURE OF ARRESTED EMBRYOS FROM LETHAL MUTANTS OF ARABIDOPSIS THALIANA. American Journal of Botany, 1990, 77, 653-661.	1.7	26
43	Abnormal Development of the Suspensor in an Embryo-Lethal Mutant of Arabidopsis thaliana. American Journal of Botany, 1985, 72, 1801.	1.7	23
44	Analysis of Arabidopsis Accessions Hypersensitive to a Loss of Chloroplast Translation. Plant Physiology, 2016, 172, 1862-1875.	4.8	21
45	Lateembryo-defective mutants of Arabidopsis. Genesis, 1995, 16, 311-320.	2.1	18
46	Plant Embryogenesis. Critical Reviews in Plant Sciences, 1997, 16, 535-576.	5.7	18
47	The Preservation of Plant Genetic Resources. Experiences with Arabidopsis. Plant Physiology, 2003, 133, 1046-1050.	4.8	13
48	Ultrastructure of Arrested Embryos from Lethal Mutants of Arabidopsis thaliana. American Journal of Botany, 1990, 77, 653.	1.7	11