John Mundy

List of Publications by Year in descending order

115 papers	17,087 citations	19657 61 h-index	22166 113 g-index
116 all docs	116 docs citations	116 times ranked	17061 citing authors

#	Article	IF	Citations
1	Mitogen-activated protein kinase cascades in plants: a new nomenclature. Trends in Plant Science, 2002, 7, 301-308.	8.8	1,080
2	Mitogen-Activated Protein Kinase Signaling in Plants. Annual Review of Plant Biology, 2010, 61, 621-649.	18.7	952
3	Arabidopsis MAP Kinase 4 Negatively Regulates Systemic Acquired Resistance. Cell, 2000, 103, 1111-1120.	28.9	946
4	Gene expression in response to abscisic acid and osmotic stress.. Plant Cell, 1990, 2, 503-512.	6.6	903
5	Common amino acid sequence domains among the LEA proteins of higher plants. Plant Molecular Biology, 1989, 12, 475-486.	3.9	717
6	Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene horse. Nature, 2013, 499, 74-78.	27.8	717
7	Enhanced quantitative resistance against fungal disease by combinatorial expression of different barley antifungal proteins in transgenic tobacco. Plant Journal, 1995, 8, 97-109.	5.7	498
8	Ancient signals: comparative genomics of plant MAPK and MAPKK gene families. Trends in Plant Science, 2006, 11, 192-198.	8.8	481
9	Morphological classification of plant cell deaths. Cell Death and Differentiation, 2011, 18, 1241-1246.	11.2	481
10	The MAP kinase substrate MKS1 is a regulator of plant defense responses. EMBO Journal, 2005, 24, 2579-2589.	7.8	480
11	Transcriptome Responses to Combinations of Stresses in Arabidopsis Â Â. Plant Physiology, 2013, 161, 1783-1794.	4.8	478
12	Arabidopsis MAP kinase 4 regulates gene expression through transcription factor release in the nucleus. EMBO Journal, 2008, 27, 2214-2221.	7.8	445
13	Nuclear proteins bind conserved elements in the abscisic acid-responsive promoter of a rice rab gene.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1406-1410.	7.1	364
14	Knockout of Arabidopsis ACCELERATED-CELL-DEATH11 encoding a sphingosine transfer protein causes activation of programmed cell death and defense. Genes and Development, 2002, 16, 490-502.	5.9	363
15	Arabidopsis MAP kinase 4 regulates salicylic acid- and jasmonic acid/ethylene-dependent responses via EDS1 and PAD4. Plant Journal, 2006, 47, 532-546.	5.7	352
16	Autophagic Components Contribute to Hypersensitive Cell Death in Arabidopsis. Cell, 2009, 137, 773-783.	28.9	348
17	Oil bodies and their associated proteins, oleosin and caleosin. Physiologia Plantarum, 2001, 112, 301-307.	5.2	298
18	cis-acting DNA elements responsive to gibberellin and its antagonist abscisic acid.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7266-7270.	7.1	287

#	Article	IF	Citations
19	Arabidopsis Mitogen-Activated Protein Kinase Kinases MKK1 and MKK2 Have Overlapping Functions in Defense Signaling Mediated by MEKK1, MPK4, and MKS1. Plant Physiology, 2008, 148, 212-222.	4.8	266
20	Identification of a methyl jasmonate-responsive region in the promoter of a lipoxygenase 1 gene expressed in barley grain. Plant Journal, 1997, 11, 513-523.	5.7	256
21	Target genes and regulatory domains of the GAMYB transcriptional activator in cereal aleurone. Plant Journal, 1999, 17, 1-9.	5.7	223
22	Selective expression of a probable amylase/protease inhibitor in barley aleurone cells: Comparison to the barley amylase/subtilisin inhibitor. Planta, 1986, 169, 51-63.	3.2	191
23	ATAF1 transcription factor directly regulates abscisic acid biosynthetic gene NCED3 in Arabidopsis thaliana. FEBS Open Bio, 2013, 3, 321-327.	2.3	182
24	Barley Î±-amylase/subtilisin inhibitor. I. Isolation and characterization. Carlsberg Research Communications, 1983, 48, 81-90.	1.8	178
25	TheArabidopsis lue1mutant defines a katanin p60 ortholog involved in hormonal control of microtubule orientation during cell growth. Journal of Cell Science, 2003, 116, 791-801.	2.0	176
26	MAP Kinase Cascades in Arabidopsis Innate Immunity. Frontiers in Plant Science, 2012, 3, 169.	3.6	171
27	Autoimmunity in Arabidopsis acd11 Is Mediated by Epigenetic Regulation of an Immune Receptor. PLoS Pathogens, 2010, 6, e1001137.	4.7	170
28	Biochemical and Molecular Characterization of a Barley Seed Î²-Glucosidase. Journal of Biological Chemistry, 1995, 270, 15789-15797.	3.4	169
29	MYB75 Phosphorylation by MPK4 Is Required for Light-Induced Anthocyanin Accumulation in Arabidopsis. Plant Cell, 2016, 28, 2866-2883.	6.6	166
30	Caleosins: Ca2+-binding proteins associated with lipid bodies. Plant Molecular Biology, 2000, 44, 463-476.	3.9	161
31	Arabidopsis ATP A2 peroxidase. Expression and high-resolution structure of a plant peroxidase with implications for lignification. Plant Molecular Biology, 2000, 44, 231-243.	3.9	149
32	Transcriptomes of the desiccationâ€tolerant resurrection plant Craterostigma plantagineum. Plant Journal, 2010, 63, 212-228.	5.7	149
33	The Role of Salicylic Acid in the Induction of Cell Death in Arabidopsis acd11. Plant Physiology, 2005, 138, 1037-1045.	4.8	146
34	Genetic engineering of wheat for increased resistance to powdery mildew disease. Theoretical and Applied Genetics, 1999, 98, 1079-1086.	3.6	145
35	Four tightly linked rab genes are differentially expressed in rice. Plant Molecular Biology, 1990, 14, 29-39.	3.9	143
36	Expression of a Barley Ribosome-Inactivating Protein Leads to Increased Fungal Protection in Transgenic Tobacco Plants. Nature Biotechnology, 1992, 10, 305-308.	17.5	143

#	Article	IF	Citations
37	The barley 60 kDa jasmonate-induced protein (JIP60) is a novel ribosome-inactivating protein. Plant Journal, 1994, 6, 815-824.	5.7	142
38	Control of Specific Gene Expression by Gibberellin and Brassinosteroid. Plant Physiology, 2001, 127, 450-458.	4.8	140
39	Gene regulation by MAP kinase cascades. Current Opinion in Plant Biology, 2009, 12, 615-621.	7.1	114
40	The <scp>mRNA</scp> decay factor <scp>PAT</scp> 1 functions in a pathway including <scp>MAP</scp> kinase 4 and immune receptor <scp>SUMM</scp> 2. EMBO Journal, 2015, 34, 593-608.	7.8	100
41	Inducible cell death in plant immunity. Seminars in Cancer Biology, 2007, 17, 166-187.	9.6	98
42	Expression of theArabidopsishigh-affinity hexose transporter STP13 correlates with programmed cell death. FEBS Letters, 2006, 580, 2381-2387.	2.8	96
43	Characterization of a bifunctional wheat inhibitor of endogenous Î±-amylase and subtilisin. FEBS Letters, 1984, 167, 210-214.	2.8	95
44	Novel Plant Ca2+-binding Protein Expressed in Response to Abscisic Acid and Osmotic Stress. Journal of Biological Chemistry, 1996, 271, 343-348.	3.4	95
45	A recombinase-mediated transcriptional induction system in transgenic plants. Plant Molecular Biology, 2001, 45, 41-49.	3.9	94
46	The bifunctional ?-amylase/subtilisin inhibitor of barley: nucleotide sequence and patterns of seed-specific expression. Plant Molecular Biology, 1989, 12, 673-682.	3.9	90
47	Role of autophagy in disease resistance and hypersensitive response-associated cell death. Cell Death and Differentiation, 2011, 18, 1257-1262.	11.2	90
48	An Arabidopsis callose synthase. Plant Molecular Biology, 2002, 49, 559-566.	3.9	88
49	Fusion genetic analysis of jasmonateâ€signalling mutants in Arabidopsis. Plant Journal, 2002, 29, 595-606.	5.7	83
50	Arabidopsis MYB68 in development and responses to environmental cues. Plant Science, 2004, 167, 1099-1107.	3.6	83
51	A 20 bp cis-acting element is both necessary and sufficient to mediate elicitor response of a maize PRms gene. Plant Journal, 1995, 7, 147-155.	5.7	78
52	Receptor-like kinase complexes in plant innate immunity. Frontiers in Plant Science, 2012, 3, 209.	3.6	74
53	Differential Synthesis in Vitro of Barley Aleurone and Starchy Endosperm Proteins. Plant Physiology, 1986, 81, 630-636.	4.8	73
54	Genome-scale cold stress response regulatory networks in ten Arabidopsis thalianaecotypes. BMC Genomics, 2013, 14, 722.	2.8	73

#	Article	IF	Citations
55	An Innate Immunity Pathway in the Moss Physcomitrella patens Â. Plant Cell, 2016, 28, 1328-1342.	6.6	73
56	HRT, a Novel Zinc Finger, Transcriptional Repressor from Barley. Journal of Biological Chemistry, 1998, 273, 23313-23320.	3.4	69
57	Arabidopsis Accelerated Cell Death 11, ACD11, Is a Ceramide-1-Phosphate Transfer Protein and Intermediary Regulator of Phytoceramide Levels. Cell Reports, 2014, 6, 388-399.	6.4	69
58	Complete amino acid sequence of the Î±-amylase/subtilisin inhibitor from barley. Carlsberg Research Communications, 1986, 51, 43-50.	1.8	67
59	Gibberellin response mutants identified by luciferase imaging. Plant Journal, 2001, 25, 509-519.	5.7	67
60	Retromer Contributes to Immunity-Associated Cell Death in Arabidopsis. Plant Cell, 2015, 27, 463-479.	6.6	67
61	Arabidopsis VARIEGATED 3 encodes a chloroplast-targeted, zinc-finger protein required for chloroplast and palisade cell development. Journal of Cell Science, 2004, 117, 4807-4818.	2.0	65
62	Arabidopsis MKS1 Is Involved in Basal Immunity and Requires an Intact N-terminal Domain for Proper Function. PLoS ONE, 2010, 5, e14364.	2.5	65
63	A 10 kD barley seed protein homologous with an Î±-amylase inhibitor from Indian finger millet. Carlsberg Research Communications, 1986, 51, 493-500.	1.8	64
64	Structure and expression of the barley lipid transfer protein gene Ltp1. Plant Molecular Biology, 1992, 18, 585-589.	3.9	64
65	Matching NLR Immune Receptors to Autoimmunity in camta3 Mutants Using Antimorphic NLR Alleles. Cell Host and Microbe, 2017, 21, 518-529.e4.	11.0	63
66	Peptomics, identification of novel cationic Arabidopsis peptides with conserved sequence motifs. In Silico Biology, 2002, 2, 441-51.	0.9	62
67	Regulation of the maizerab17 gene promoter in transgenic heterologous systems. Plant Molecular Biology, 1991, 17, 985-993.	3.9	61
68	Making sense of plant autoimmunity and â€˜negative regulatorsâ€™. FEBS Journal, 2016, 283, 1385-1391.	4.7	59
69	Partial amino acid sequences of Î±-amylase isozymes from barley malt. Carlsberg Research Communications, 1985, 50, 15-22.	1.8	56
70	Analysis of an ABA-responsive rice gene promoter in transgenic tobacco. Plant Molecular Biology, 1990, 15, 905-912.	3.9	55
71	Messenger RNAs from the Scutellum and Aleurone of Germinating Barley Encode (1â†'3,1â†'4)-Î²-d-Glucanase, Î±-Amylase and Carboxypeptidase. Plant Physiology, 1985, 79, 867-871.	4.8	49
72	Autophagy is required for gamete differentiation in the moss Physcomitrella patens. Autophagy, 2017, 13, 1939-1951.	9.1	47

#	Article	IF	Citations
73	Barley Î±-amylase/subtilisin inhibitor. II. N-terminal amino acid sequence and homology with inhibitors of the soybean trypsin inhibitor (Kunitz) family. Carlsberg Research Communications, 1983, 48, 91-94.	1.8	46
74	Hormonal regulation of Î±-amylase inhibitor synthesis in germinating barley. Carlsberg Research Communications, 1984, 49, 439-444.	1.8	46
75	Identification of an enhancer/silencer sequence directing the aleurone-specific expression of a barley chitinase gene. Plant Journal, 1994, 6, 579-589.	5.7	44
76	Genome scale transcriptional response diversity among ten ecotypes of Arabidopsis thaliana during heat stress. Frontiers in Plant Science, 2013, 4, 532.	3.6	43
77	Identification of a 28,000 Dalton endochitinase in barley endosperm. Carlsberg Research Communications, 1987, 52, 31-37.	1.8	42
78	Coimmunoprecipitation (co-IP) of Nuclear Proteins and Chromatin Immunoprecipitation (ChIP) from Arabidopsis. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5049.	0.3	38
79	Identification of proteins interacting with Arabidopsis ACD11. Journal of Plant Physiology, 2009, 166, 661-666.	3.5	38
80	Promiscuous and specific phospholipid binding by domains in ZAC, a membrane-associated Arabidopsis protein with an ARF GAP zinc finger and a C2 domain. Plant Molecular Biology, 2000, 44, 799-814.	3.9	35
81	Plants flex their skeletons. Trends in Plant Science, 2003, 8, 202-204.	8.8	32
82	Human anti-rhesus D IgG1 antibody produced in transgenic plants. Transgenic Research, 2002, 11, 115-122.	2.4	30
83	Human GLTP and mutant forms of ACD11 suppress cell death in the Arabidopsis acd11 mutant. FEBS Journal, 2008, 275, 4378-4388.	4.7	30
84	Gene Expression in Response to Abscisic Acid and Osmotic Stress. Plant Cell, 1990, 2, 503.	6.6	28
85	A bacterial haloalkane dehalogenase gene as a negative selectable marker in Arabidopsis. Plant Journal, 1999, 18, 571-576.	5.7	28
86	Effects of gibberellic acid and abscisic acid on levels of translatable mRNA (1â†'3,1â†'4)-Î²-D-glucanase in barley aleurone. FEBS Letters, 1986, 198, 349-352.	2.8	25
87	Fusion genetic analysis of gibberellin signaling mutants. Plant Journal, 2000, 22, 427-438.	5.7	25
88	Lazarus1, a DUF300 Protein, Contributes to Programmed Cell Death Associated with Arabidopsis acd11 and the Hypersensitive Response. PLoS ONE, 2010, 5, e12586.	2.5	25
89	Genes encoding ribosome-inactivating proteins. Plant Molecular Biology Reporter, 1994, 12, S60-S62.	1.8	24
90	Two differentially regulated Arabidopsis genes define a new branch of the DFR superfamily. Plant Science, 2001, 160, 463-472.	3.6	24

#	Article	IF	Citations
91	A putative flavin-containing mono-oxygenase as a marker for certain defense and cell death pathways. Plant Science, 2006, 170, 614-623.	3.6	24
92	Biochemical and genetic characterization of three molybdenum cofactor hydroxylases in Arabidopsis thaliana. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1398, 397-402.	2.4	23
93	Downstream targets of WRKY33. Plant Signaling and Behavior, 2008, 3, 1033-1034.	2.4	23
94	Crosstalk. Trends in Plant Science, 2006, 11, 63-64.	8.8	21
95	DNA damage as a consequence of NLR activation. PLoS Genetics, 2018, 14, e1007235.	3.5	21
96	Phosphatidylserine Stimulates Ceramide 1-Phosphate (C1P) Intermembrane Transfer by C1P Transfer Proteins. Journal of Biological Chemistry, 2017, 292, 2531-2541.	3.4	20
97	Functional Associations by Response Overlap (FARO), a Functional Genomics Approach Matching Gene Expression Phenotypes. PLoS ONE, 2007, 2, e676.	2.5	17
98	Phosphorylation sites of Arabidopsis MAP kinase substrate 1 (MKS1). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1156-1163.	2.3	17
99	The effect of intracellular pH on the regulation of the Rab 16A and the ?-amylase 1/6-4 promoter by abscisic acid and gibberellia. Plant Molecular Biology, 1995, 27, 815-820.	3.9	13
100	The pearl millet mitogen-activated protein kinase PgMPK4 is involved in responses to downy mildew infection and in jasmonic- and salicylic acid-mediated defense. Plant Molecular Biology, 2015, 87, 287-302.	3.9	13
101	Differential expression of two related organ-specific genes in pea. Plant Molecular Biology, 1990, 14, 765-774.	3.9	12
102	Cloning genomic sequences using long-range PCR. Plant Molecular Biology Reporter, 1995, 13, 156-163.	1.8	12
103	Transcriptome and Genome Size Analysis of the Venus Flytrap. PLoS ONE, 2015, 10, e0123887.	2.5	12
104	Isolation and characterization of two immunologically distinct forms of Î±-amylase and a Î²-amylase from seeds of germinated sorghum bicolor (L.) moench. Carlsberg Research Communications, 1982, 47, 263-274.	1.8	11
105	Differential effects of the hiproly lys 1 gene on the developmental synthesis of (lysine-rich) proteins from barley endosperm. Plant Science, 1988, 55, 255-266.	3.6	10
106	Gene Discovery and Functional Analyses in the Model Plant Arabidopsis. Journal of Integrative Plant Biology, 2006, 48, 5-14.	8.5	9
107	Protein phosphorylation in and around signal transduction. Trends in Plant Science, 2002, 7, 54-55.	8.8	8
108	Self-consuming innate immunity in Arabidopsis. Autophagy, 2009, 5, 1206-1207.	9.1	6

#	Article	IF	Citations
109	Developing nomenclature for genes of unknown function: A case study of ABA-responsive genes. Plant Molecular Biology Reporter, 1989, 7, 276-283.	1.8	5
110	Chitin-Induced Responses in the Moss Physcomitrella patens. Methods in Molecular Biology, 2017, 1578, 317-324.	0.9	2
111	The barley Jip23b gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 231-235.	2.4	1
112	Chitin and Stress Induced Protein Kinase Activation. Methods in Molecular Biology, 2017, 1578, 185-194.	0.9	1
113	Manual labor. Trends in Plant Science, 1997, 2, 283.	8.8	0
114	Preparation of Pooled Arabidopsis YAC DNAs for PCR-Based Mapping. Plant Molecular Biology Reporter, 1999, 17, 67-71.	1.8	0
115	Ribosome-Inactivating Proteins. , 1999, , .		0