Morten Petersen

List of Publications by Year
in descending order

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Version: 2024-02-01

55 papers	14,721 citations	126907 33 h-index	144013 57 g-index
61 all docs	61 docs citations	61 times ranked	27115 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Mitogen-Activated Protein Kinase Signaling in Plants. Annual Review of Plant Biology, 2010, 61, 621-649.	18.7	952
4	Arabidopsis MAP Kinase 4 Negatively Regulates Systemic Acquired Resistance. Cell, 2000, 103, 1111-1120.	28.9	946
5	Morphological classification of plant cell deaths. Cell Death and Differentiation, 2011, 18, 1241-1246.	11.2	481
6	The MAP kinase substrate MKS1 is a regulator of plant defense responses. EMBO Journal, 2005, 24, 2579-2589.	7.8	480
7	Arabidopsis MAP kinase 4 regulates gene expression through transcription factor release in the nucleus. EMBO Journal, 2008, 27, 2214-2221.	7.8	445
8	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
9	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
10	Autophagic Components Contribute to Hypersensitive Cell Death in Arabidopsis. Cell, 2009, 137, 773-783.	28.9	348
11	ATAF1 transcription factor directly regulates abscisic acid biosynthetic gene NCED3 in Arabidopsis thaliana. FEBS Open Bio, 2013, 3, 321-327.	2.3	182
12	MAP Kinase Cascades in Arabidopsis Innate Immunity. Frontiers in Plant Science, 2012, 3, 169.	3.6	171
13	Autoimmunity in Arabidopsis acd11 Is Mediated by Epigenetic Regulation of an Immune Receptor. PLoS Pathogens, 2010, 6, e1001137.	4.7	170
14	MYB75 Phosphorylation by MPK4 Is Required for Light-Induced Anthocyanin Accumulation in Arabidopsis. Plant Cell, 2016, 28, 2866-2883.	6.6	166
15	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
16	Gene regulation by MAP kinase cascades. Current Opinion in Plant Biology, 2009, 12, 615-621.	7.1	114
17	Catalase andNO CATALASE ACTIVITY1Promote Autophagy-Dependent Cell Death inArabidopsisÂ Â Â. Plant Cell, 2013, 25, 4616-4626.	6.6	101
18	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

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19	Role of autophagy in disease resistance and hypersensitive response-associated cell death. Cell Death and Differentiation, 2011, 18, 1257-1262.	11.2	90
20	An Arabidopsis callose synthase. Plant Molecular Biology, 2002, 49, 559-566.	3.9	88
21	The genome of Prasinoderma coloniale unveils the existence of a third phylum within green plants. Nature Ecology and Evolution, 2020, 4, 1220-1231.	7.8	84
22	Isolation and characterisation of a pod dehiscence zone-specific polygalacturonase fromBrassica napus. Plant Molecular Biology, 1996, 31, 517-527.	3.9	82
23	Autophagy deficiency leads to accumulation of ubiquitinated proteins, ER stress, and cell death inArabidopsis. Autophagy, 2014, 10, 1579-1587.	9.1	75
24	Receptor-like kinase complexes in plant innate immunity. Frontiers in Plant Science, 2012, 3, 209.	3.6	74
25	An Innate Immunity Pathway in the Moss Physcomitrella patens Â. Plant Cell, 2016, 28, 1328-1342.	6.6	73
26	Retromer Contributes to Immunity-Associated Cell Death in Arabidopsis. Plant Cell, 2015, 27, 463-479.	6.6	67
27	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
28	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
29	Making sense of plant autoimmunity and â€˜negative regulatorsâ€™. FEBS Journal, 2016, 283, 1385-1391.	4.7	59
30	Autophagy mediates temporary reprogramming and dedifferentiation in plant somatic cells. EMBO Journal, 2020, 39, e103315.	7.8	51
31	Autophagy is required for gamete differentiation in the moss Physcomitrella patens. Autophagy, 2017, 13, 1939-1951.	9.1	47
32	Emergent bacterial community properties induce enhanced drought tolerance in Arabidopsis. Npj Biofilms and Microbiomes, 2021, 7, 82.	6.4	45
33	Individual components of paired typical NLR immune receptors are regulated by distinct E3 ligases. Nature Plants, 2018, 4, 699-710.	9.3	43
34	Coimmunoprecipitation (co-IP) of Nuclear Proteins and Chromatin Immunoprecipitation (ChIP) from Arabidopsis. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5049.	0.3	38
35	Identification of proteins interacting with Arabidopsis ACD11. Journal of Plant Physiology, 2009, 166, 661-666.	3.5	38
36	Human GLTP and mutant forms of ACD11 suppress cell death in the Arabidopsis acd11 mutant. FEBS Journal, 2008, 275, 4378-4388.	4.7	30

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37	Constitutive expression of MKS1 confers susceptibility to Botrytis cinerea infection independent of PAD3 expression. Plant Signaling and Behavior, 2011, 6, 1425-1427.	2.4	26
38	Signaling unmasked. Autophagy, 2014, 10, 520-521.	9.1	26
39	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
40	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
41	Downstream targets of WRKY33. Plant Signaling and Behavior, 2008, 3, 1033-1034.	2.4	23
42	Genome-wide analyses across Viridiplantae reveal the origin and diversification of small RNA pathway-related genes. Communications Biology, 2021, 4, 412.	4.4	22
43	DNA damage as a consequence of NLR activation. PLoS Genetics, 2018, 14, e1007235.	3.5	21
44	Plant autoimmunityâ€"fresh insights into an old phenomenon. Plant Physiology, 2022, 188, 1419-1434.	4.8	15
45	Molecular evidence for origin, diversification and ancient gene duplication of plant subtilases (SBTs). Scientific Reports, 2019, 9, 12485.	3.3	14
46	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
47	Transcriptome and Genome Size Analysis of the Venus Flytrap. PLoS ONE, 2015, 10, e0123887.	2.5	12
48	The Arabidopsis thaliana mRNA decay factor PAT1 functions in osmotic stress responses and decaps ABAâ€responsive genes. FEBS Letters, 2021, 595, 253-263.	2.8	9
49	Overexpression of ATG8/LC3 enhances wound-induced somatic reprogramming in Physcomitrium patens. Autophagy, 2022, 18, 1463-1466.	9.1	7
50	mRNA Decapping Factors LSM1 and PAT Paralogs Are Involved in Turnip Mosaic Virus Viral Infection. Molecular Plant-Microbe Interactions, 2022, 35, 125-130.	2.6	7
51	Self-consuming innate immunity in Arabidopsis. Autophagy, 2009, 5, 1206-1207.	9.1	6
52	The Draft Genome of the Small, Spineless Green Alga Desmodesmus costato-granulatus (Sphaeropleales, Chlorophyta). Protist, 2019, 170, 125697.	1.5	4
53	Chitin-Induced Responses in the Moss Physcomitrella patens. Methods in Molecular Biology, 2017, 1578, 317-324.	0.9	2
54	Chitin and Stress Induced Protein Kinase Activation. Methods in Molecular Biology, 2017, 1578, 185-194.	0.9	1

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55	The Draft Genome of Hariotina reticulata (Sphaeropleales, Chlorophyta) Provides Insight into the Evolution of Scenedesmaceae. Protist, 2019, 170, 125684.	1.5	1