Peter Moffett

List of Publications by Year in descending order

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62 papers	5,640 citations	117625 34 h-index	114465 63 g-index
65 all docs	65 docs citations	65 times ranked	5017 citing authors

#	Article	IF	Citations
1	High throughput virus-induced gene silencing implicates heat shock protein 90 in plant disease resistance. EMBO Journal, 2003, 22, 5690-5699.	7.8	493
2	A Draft Genome Sequence of Nicotiana benthamiana to Enhance Molecular Plant-Microbe Biology Research. Molecular Plant-Microbe Interactions, 2012, 25, 1523-1530.	2.6	411
3	Interaction between domains of a plant NBS-LRR protein in disease resistance-related cell death. EMBO Journal, 2002, 21, 4511-4519.	7.8	391
4	Ubiquitin ligase-associated protein SGT1 is required for host and nonhost disease resistance in plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10865-10869.	7.1	385
5	Cell Death Mediated by the N-Terminal Domains of a Unique and Highly Conserved Class of NB-LRR Protein. Molecular Plant-Microbe Interactions, 2011, 24, 918-931.	2.6	319
6	Constitutive gain-of-function mutants in a nucleotide binding site-leucine rich repeat protein encoded at theRxlocus of potato. Plant Journal, 2002, 32, 195-204.	5.7	309
7	NB-LRRs work a â€œbait and switchâ€• on pathogens. Trends in Plant Science, 2009, 14, 521-529.	8.8	267
8	Distinct Domains in the ARC Region of the Potato Resistance Protein Rx Mediate LRR Binding and Inhibition of Activation. Plant Cell, 2006, 18, 2082-2093.	6.6	230
9	The Coiled-Coil and Nucleotide Binding Domains of the Potato Rx Disease Resistance Protein Function in Pathogen Recognition and Signaling Â. Plant Cell, 2008, 20, 739-751.	6.6	226
10	ARGONAUTE2 Mediates RNA-Silencing Antiviral Defenses againstPotato virus Xin Arabidopsis Â Â. Plant Physiology, 2011, 156, 1556-1564.	4.8	200
11	The Cyst Nematode SPRYSEC Protein RBP-1 Elicits Gpa2- and RanGAP2-Dependent Plant Cell Death. PLoS Pathogens, 2009, 5, e1000564.	4.7	182
12	Identification of an ARGONAUTE for Antiviral RNA Silencing in Nicotiana benthamiana Â Â Â Â. Plant Physiology, 2011, 156, 1548-1555.	4.8	135
13	Abscisic Acid Induces Resistance against Bamboo Mosaic Virus through Argonaute2 and 3. Plant Physiology, 2017, 174, 339-355.	4.8	133
14	Small RNA Derived from the Virulence Modulating Region of the Potato spindle tuber viroid Silences callose synthase Genes of Tomato Plants. Plant Cell, 2015, 27, 2178-2194.	6.6	128
15	Different roles for RNA silencing and RNA processing components in virus recovery and virus-induced gene silencing in plants. Journal of Experimental Botany, 2015, 66, 919-932.	4.8	125
16	A RanGAP protein physically interacts with the NBâ€LRR protein Rx, and is required for Rxâ€•mediated viral resistance. Plant Journal, 2007, 52, 82-93.	5.7	124
17	Virus resistance induced by NBâ€“LRR proteins involves Argonaute4â€•dependent translational control. Plant Journal, 2009, 58, 940-951.	5.7	120
18	Functional and Genetic Analysis Identify a Role for Arabidopsis ARGONAUTE5 in Antiviral RNA Silencing. Plant Cell, 2015, 27, 1742-1754.	6.6	116

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19	Structural Basis for the Interaction between the Potato Virus X Resistance Protein (Rx) and Its Cofactor Ran GTPase-activating Protein 2 (RanGAP2). Journal of Biological Chemistry, 2013, 288, 35868-35876.	3.4	98
20	Antagonism of WT1 activity by protein self-association.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11105-11109.	7.1	97
21	Translatome analysis of an NB-LRR immune response identifies important contributors to plant immunity in Arabidopsis. Journal of Experimental Botany, 2017, 68, 2333-2344.	4.8	88
22	Analysis of Putative Apoplastic Effectors from the Nematode, Globodera rostochiensis, and Identification of an Expansin-Like Protein That Can Induce and Suppress Host Defenses. PLoS ONE, 2015, 10, e0115042.	2.5	57
23	Recognition of an Avr3a Homologue Plays a Major Role in Mediating Nonhost Resistance to Phytophthora capsici in Nicotiana Species. Molecular Plant-Microbe Interactions, 2014, 27, 770-780.	2.6	53
24	Identification of nuclear localization signals within the zinc fingers of the WT1 tumor suppressor gene product. FEBS Letters, 1996, 393, 41-47.	2.8	52
25	Early signal transduction events in specific plant disease resistance. Current Opinion in Plant Biology, 2003, 6, 300-306.	7.1	52
26	Genetic diversity of the golden potato cyst nematode Globodera rostochiensis and determination of the origin of populations in Quebec, Canada. Molecular Phylogenetics and Evolution, 2013, 69, 75-82.	2.7	51
27	Evolutionarily conserved bacterial effectors hijack abscisic acid signaling to induce an aqueous environment in the apoplast. Cell Host and Microbe, 2022, 30, 489-501.e4.	11.0	49
28	Different transcriptional properties of mSim-1 and mSim-2. FEBS Letters, 2000, 466, 80-86.	2.8	47
29	Elicitation of hypersensitive responses in <scp>N</scp>icotiana glutinosa by the suppressor of <scp>RNA</scp> silencing protein <scp>P</scp>0 from poleroviruses. Molecular Plant Pathology, 2015, 16, 435-448.	4.2	45
30	Brothers in arms? Common and contrasting themes in pathogen perception by plant NB-LRR and animal NACHT-LRR proteins. Microbes and Infection, 2007, 9, 677-686.	1.9	44
31	A multilayered regulatory mechanism for the autoinhibition and activation of a plant <scp>CC</scp>â€<scp>NB</scp>â€<scp>LRR</scp> resistance protein with an extra Nâ€terminal domain. New Phytologist, 2016, 212, 161-175.	7.3	44
32	Systemic acquired resistance is induced by R geneâ€mediated responses independent of cell death. Molecular Plant Pathology, 2010, 11, 155-160.	4.2	40
33	Antiviral Defense Involves AGO4 in an Arabidopsisâ€“Potexvirus Interaction. Molecular Plant-Microbe Interactions, 2016, 29, 878-888.	2.6	39
34	Characterization ofmsim,a Murine Homologue of theDrosophila simTranscription Factor. Genomics, 1996, 35, 144-155.	2.9	38
35	The Fractionated Orthology of Bs2 and Rx/Gpa2 Supports Shared Synteny of Disease Resistance in the Solanaceae. Genetics, 2009, 182, 1351-1364.	2.9	38
36	The Chloroplastic Protein THF1 Interacts with the Coiled-Coil Domain of the Disease Resistance Protein Nâ€² and Regulates Light-Dependent Cell Death. Plant Physiology, 2016, 171, 658-674.	4.8	37

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37	Cell death triggered by the P25 protein in Potato virus Xâ€associated synergisms results from endoplasmic reticulum stress in Nicotiana benthamiana. Molecular Plant Pathology, 2019, 20, 194-210.	4.2	35
38	Analysis of Globodera rostochiensis effectors reveals conserved functions of SPRYSEC proteins in suppressing and eliciting plant immune responses. Frontiers in Plant Science, 2015, 6, 623.	3.6	34
39	ARGONAUTE5 Represses Age-Dependent Induction of Flowering through Physical and Functional Interaction with miR156 in Arabidopsis. Plant and Cell Physiology, 2020, 61, 957-966.	3.1	29
40	Natural variation in the Arabidopsis AGO2 gene is associated with susceptibility to potato virus X. New Phytologist, 2020, 226, 866-878.	7.3	25
41	NB-LRR signaling induces translational repression of viral transcripts and the formation of RNA processing bodies through mechanisms differing from those activated by UV stress and RNAi. Journal of Experimental Botany, 2016, 67, 2353-2366.	4.8	22
42	Analysis of survival and hatching transcriptomes from potato cyst nematodes, Globodera rostochiensis and G. pallida. Scientific Reports, 2017, 7, 3882.	3.3	21
43	An analysis of the resistance of Gossypium arboreum to cotton leaf curl disease by grafting. European Journal of Plant Pathology, 2014, 139, 837-847.	1.7	19
44	Alterations in cellular <scp>RNA</scp> decapping dynamics affect tomato spotted wilt virus cap snatching and infection in Arabidopsis. New Phytologist, 2019, 224, 789-803.	7.3	19
45	Tobacco rattle virus (TRV)-Mediated Silencing of Nicotiana benthamiana ARGONAUTES (NbAGOs) Reveals New Antiviral Candidates and Dominant Effects of TRV-NbAGO1. Phytopathology, 2017, 107, 977-987.	2.2	18
46	Genetic diversity and evolution ofApple stem pitting virusisolates from pear in China. Canadian Journal of Plant Pathology, 2016, 38, 218-230.	1.4	16
47	Arabidopsis TAF15b Localizes to RNA Processing Bodies and Contributes to snc1-Mediated Autoimmunity. Molecular Plant-Microbe Interactions, 2016, 29, 247-257.	2.6	15
48	What does it take to be antiviral? An Argonaute-centered perspective on plant antiviral defense. Journal of Experimental Botany, 2020, 71, 6197-6210.	4.8	14
49	In planta transient expression as a system for genetic and biochemical analyses of chlorophyll biosynthesis. Plant Methods, 2006, 2, 15.	4.3	12
50	Functional analysis of apple stem pitting virus coat protein variants. Virology Journal, 2019, 16, 20.	3.4	12
51	De novo computational identification of stress-related sequence motifs and microRNA target sites in untranslated regions of a plant translatome. Scientific Reports, 2017, 7, 43861.	3.3	11
52	Fragment Complementation and Co-immunoprecipitation Assays for Understanding R Protein Structure and Function. Methods in Molecular Biology, 2011, 712, 9-20.	0.9	10
53	The Wilms' tumor suppressor gene (wt1) product represses different functional classes of transcriptional activation domains. Nucleic Acids Research, 1999, 27, 2889-2897.	14.5	9
54	Using Decoys to Detect Pathogens: An Integrated Approach. Trends in Plant Science, 2016, 21, 369-370.	8.8	9

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55	Transfer and modification of NLR proteins for virus resistance in plants. Current Opinion in Virology, 2017, 26, 43-48.	5.4	8
56	Non-host Plant Resistance against Phytophthora capsici Is Mediated in Part by Members of the I2 R Gene Family in Nicotiana spp.. Frontiers in Plant Science, 2017, 8, 205.	3.6	8
57	Regulation of renal EGF receptor expression is normal in Denys-Drash syndrome. Kidney International, 1997, 52, 614-619.	5.2	7
58	Evolution and variability of Solanum RanGAP2, a cofactor in the incompatible interaction between the resistance protein GPA2 and the Globodera pallida effector Gp-RBP-1. BMC Evolutionary Biology, 2013, 13, 87.	3.2	6
59	e-Book on plant virus infectionâ€"a cell biology perspective. Frontiers in Plant Science, 2013, 4, 203.	3.6	4
60	Analysis of the resistance of Gossypium herbaceum to cotton leaf curl kokhran virus strain burewala and cotton leaf curl multan betasatellite. Journal of Plant Pathology, 2018, 100, 313-316.	1.2	3
61	Detection and molecular characterization of Clerodendron yellow mosaic virus infecting Volkameria inermis in Pakistan. Journal of Plant Pathology, 2020, 102, 957-957.	1.2	3
62	Codiaeum variegatum in Pakistan harbours pedilanthus leaf curl virus and papaya leaf curl virus as well as a newly identified betasatellite. Archives of Virology, 2020, 165, 1877-1881.	2.1	3