Peter Moffett

List of Publications by Year
in descending order

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	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
2	Natural variation in the <i>Arabidopsis AGO2</i> gene is associated with susceptibility to potato virus X. New Phytologist, 2020, 226, 866-878.	7.3	25
3	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
4	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
5	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
6	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
7	Alterations in cellular <scp>RNA</scp> decapping dynamics affect tomato spotted wilt virus cap snatching and infection in <i>Arabidopsis</i>. New Phytologist, 2019, 224, 789-803.	7.3	19
8	Functional analysis of apple stem pitting virus coat protein variants. Virology Journal, 2019, 16, 20.	3.4	12
9	Cell death triggered by the P25 protein in <i>Potato virus X</i>â€associated synergisms results from endoplasmic reticulum stress in <i>Nicotiana benthamiana</i>. Molecular Plant Pathology, 2019, 20, 194-210.	4.2	35
10	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
11	Abscisic Acid Induces Resistance against <i>Bamboo Mosaic Virus</i> through <i>Argonaute</i><i>2</i> and <i>3</i>. Plant Physiology, 2017, 174, 339-355.	4.8	133
12	<i>Tobacco rattle virus</i> (TRV)-Mediated Silencing of <i>Nicotiana benthamiana ARGONAUTES</i> (<i>NbAGOs</i>) Reveals New Antiviral Candidates and Dominant Effects of TRV-<i>NbAGO1</i>. Phytopathology, 2017, 107, 977-987.	2.2	18
13	Analysis of survival and hatching transcriptomes from potato cyst nematodes, Globodera rostochiensis and G. pallida. Scientific Reports, 2017, 7, 3882.	3.3	21
14	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
15	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
16	Transfer and modification of NLR proteins for virus resistance in plants. Current Opinion in Virology, 2017, 26, 43-48.	5.4	8
17	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
18	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

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19	Antiviral Defense Involves AGO4 in an <i>Arabidopsis</i>â€“Potexvirus Interaction. Molecular Plant-Microbe Interactions, 2016, 29, 878-888.	2.6	39
20	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
21	Using Decoys to Detect Pathogens: An Integrated Approach. Trends in Plant Science, 2016, 21, 369-370.	8.8	9
22	<i>Arabidopsis</i> TAF15b Localizes to RNA Processing Bodies and Contributes to <i>snc1</i>-Mediated Autoimmunity. Molecular Plant-Microbe Interactions, 2016, 29, 247-257.	2.6	15
23	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
24	Genetic diversity and evolution of<i>Apple stem pitting virus</i>isolates from pear in China. Canadian Journal of Plant Pathology, 2016, 38, 218-230.	1.4	16
25	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
26	Functional and Genetic Analysis Identify a Role for Arabidopsis ARGONAUTE5 in Antiviral RNA Silencing. Plant Cell, 2015, 27, 1742-1754.	6.6	116
27	Small RNA Derived from the Virulence Modulating Region of the <i>Potato spindle tuber viroid</i> Silences <i>callose synthase</i> Genes of Tomato Plants. Plant Cell, 2015, 27, 2178-2194.	6.6	128
28	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
29	Elicitation of hypersensitive responses in <i><scp>N</scp>icotiana glutinosa</i> 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	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
31	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
32	Recognition of an Avr3a Homologue Plays a Major Role in Mediating Nonhost Resistance to <i>Phytophthora capsici</i> in <i>Nicotiana</i> Species. Molecular Plant-Microbe Interactions, 2014, 27, 770-780.	2.6	53
33	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
34	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
35	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
36	e-Book on plant virus infectionâ€"a cell biology perspective. Frontiers in Plant Science, 2013, 4, 203.	3.6	4

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37	A Draft Genome Sequence of <i>Nicotiana benthamiana</i> to Enhance Molecular Plant-Microbe Biology Research. Molecular Plant-Microbe Interactions, 2012, 25, 1523-1530.	2.6	411
38	Fragment Complementation and Co-immunoprecipitation Assays for Understanding R Protein Structure and Function. Methods in Molecular Biology, 2011, 712, 9-20.	0.9	10
39	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
40	ARGONAUTE2 Mediates RNA-Silencing Antiviral Defenses against<i>Potato virus X</i>in Arabidopsis Â Â. Plant Physiology, 2011, 156, 1556-1564.	4.8	200
41	Identification of an <i>ARGONAUTE</i> for Antiviral RNA Silencing in <i>Nicotiana benthamiana</i> Â Â Â Â. Plant Physiology, 2011, 156, 1548-1555.	4.8	135
42	Systemic acquired resistance is induced by <i>R</i> geneâ€mediated responses independent of cell death. Molecular Plant Pathology, 2010, 11, 155-160.	4.2	40
43	The Cyst Nematode SPRYSEC Protein RBP-1 Elicits Gpa2- and RanGAP2-Dependent Plant Cell Death. PLoS Pathogens, 2009, 5, e1000564.	4.7	182
44	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
45	Virus resistance induced by NBâ€“LRR proteins involves Argonaute4â€dependent translational control. Plant Journal, 2009, 58, 940-951.	5.7	120
46	NB-LRRs work a â€œbait and switchâ€•on pathogens. Trends in Plant Science, 2009, 14, 521-529.	8.8	267
47	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
48	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
49	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
50	In planta transient expression as a system for genetic and biochemical analyses of chlorophyll biosynthesis. Plant Methods, 2006, 2, 15.	4.3	12
51	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
52	High throughput virus-induced gene silencing implicates heat shock protein 90 in plant disease resistance. EMBO Journal, 2003, 22, 5690-5699.	7.8	493
53	Early signal transduction events in specific plant disease resistance. Current Opinion in Plant Biology, 2003, 6, 300-306.	7.1	52
54	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

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55	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
56	Interaction between domains of a plant NBS-LRR protein in disease resistance-related cell death. EMBO Journal, 2002, 21, 4511-4519.	7.8	391
57	Different transcriptional properties of mSim-1 and mSim-2. FEBS Letters, 2000, 466, 80-86.	2.8	47
58	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
59	Regulation of renal EGF receptor expression is normal in Denys-Drash syndrome. Kidney International, 1997, 52, 614-619.	5.2	7
60	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
61	Characterization ofmsim,a Murine Homologue of theDrosophila simTranscription Factor. Genomics, 1996, 35, 144-155.	2.9	38
62	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