Miles R Armstrong

List of Publications by Year
in descending order

28 papers	5,300 citations	257450 24 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	3597 citing authors

#	Article	IF	Citations
1	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	27.8	1,405
2	A translocation signal for delivery of oomycete effector proteins into host plant cells. Nature, 2007, 450, 115-118.	27.8	760
3	Differential Recognition of Highly Divergent Downy Mildew Avirulence Gene Alleles by RPP1 Resistance Genes from Two Arabidopsis Lines. Plant Cell, 2005, 17, 1839-1850.	6.6	416
4	An ancestral oomycete locus contains late blight avirulence gene Avr3a, encoding a protein that is recognized in the host cytoplasm. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7766-7771.	7.1	414
5	Phytophthora infestans effector AVR3a is essential for virulence and manipulates plant immunity by stabilizing host E3 ligase CMPG1. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9909-9914.	7.1	412
6	The C-terminal half ofPhytophthora infestansRXLR effector AVR3a is sufficient to trigger R3a-mediated hypersensitivity and suppress INF1-induced cell death inNicotiana benthamiana. Plant Journal, 2006, 48, 165-176.	5.7	402
7	An RxLR Effector from Phytophthora infestans Prevents Re-localisation of Two Plant NAC Transcription Factors from the Endoplasmic Reticulum to the Nucleus. PLoS Pathogens, 2013, 9, e1003670.	4.7	210
8	Phytophthora infestans RXLR Effector PexRD2 Interacts with Host MAPKKKÎµ to Suppress Plant Immune Signaling. Plant Cell, 2014, 26, 1345-1359.	6.6	188
9	Patterns of Diversifying Selection in the Phytotoxin-like scr74 Gene Family of Phytophthora infestans. Molecular Biology and Evolution, 2005, 22, 659-672.	8.9	140
10	The zigâ€zagâ€zig in oomyceteâ€“plant interactions. Molecular Plant Pathology, 2009, 10, 547-562.	4.2	136
11	A Phytophthora infestans RXLR effector targets plant PP1c isoforms that promote late blight disease. Nature Communications, 2016, 7, 10311.	12.8	123
12	Potato NPH3/RPT2-Like Protein StNRL1, Targeted by a Phytophthora infestans RXLR Effector, Is a Susceptibility Factor. Plant Physiology, 2016, 171, 645-657.	4.8	71
13	Utilizing â€œOmicâ€•Technologies to Identify and Prioritize Novel Sources of Resistance to the Oomycete Pathogen Phytophthora infestans in Potato Germplasm Collections. Frontiers in Plant Science, 2016, 7, 672.	3.6	69
14	Identification and rapid mapping of a gene conferring broad-spectrum late blight resistance in the diploid potato species Solanum verrucosum through DNA capture technologies. Theoretical and Applied Genetics, 2018, 131, 1287-1297.	3.6	65
15	A Host KH RNA-Binding Protein Is a Susceptibility Factor Targeted by an RXLR Effector to Promote Late Blight Disease. Molecular Plant, 2015, 8, 1385-1395.	8.3	62
16	The Potato MAP3K StVIK Is Required for the Phytophthora infestans RXLR Effector Pi17316 to Promote Disease. Plant Physiology, 2018, 177, 398-410.	4.8	61
17	Potato late blight field resistance from QTL dPI09c is conferred by the NB-LRR gene R8. Journal of Experimental Botany, 2018, 69, 1545-1555.	4.8	56
18	Tracking disease resistance deployment in potato breeding by enrichment sequencing. Plant Biotechnology Journal, 2019, 17, 540-549.	8.3	50

#	Article	IF	Citations
19	Pathogen enrichment sequencing (PenSeq) enables population genomic studies in oomycetes. New Phytologist, 2019, 221, 1634-1648.	7.3	43
20	Oomycetes Seek Help from the Plant: Phytophthora infestans Effectors Target Host Susceptibility Factors. Molecular Plant, 2016, 9, 636-638.	8.3	41
21	Mapping the H2 resistance effective against Globodera pallida pathotype Pa1 in tetraploid potato. Theoretical and Applied Genetics, 2019, 132, 1283-1294.	3.6	36
22	Phytophthora infestans RXLR Effectors Target Parallel Steps in an Immune Signal Transduction Pathway. Plant Physiology, 2019, 180, 2227-2239.	4.8	33
23	Phytophthora infestans effector <scp>SFI</scp>3 targets potato <scp>UBK</scp> to suppress early immune transcriptional responses. New Phytologist, 2019, 222, 438-454.	7.3	33
24	RLP/K enrichment sequencing; a novel method to identify receptorâ€like protein (RLP) and receptorâ€like kinase (RLK) genes. New Phytologist, 2020, 227, 1264-1276.	7.3	32
25	Comparative Transcriptome Profiling Reveals Compatible and Incompatible Patterns of Potato Toward Phytophthora infestans. G3: Genes, Genomes, Genetics, 2020, 10, 623-634.	1.8	31
26	The Genomic Impact of Selection for Virulence against Resistance in the Potato Cyst Nematode, Globodera pallida. Genes, 2020, 11, 1429.	2.4	8
27	Combination Breeding and Marker-Assisted Selection to Develop Late Blight Resistant Potato Cultivars. Agronomy, 2021, 11, 2192.	3.0	3
28	Identification of Resistance Genes Using Diagnostic R-Gene (). Methods in Molecular Biology, 2021, 2354, 213-219.	0.9	0