Edgar Huitema

List of Publications by Year
in descending order

44 papers	6,222 citations	186265 28 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	4697 citing authors

#	Article	IF	Citations
1	Virulence strategies of an insect herbivore and oomycete plant pathogen converge on host E3 SUMO ligase SIZ1. New Phytologist, 2022, 235, 1599-1614.	7.3	3
2	A Conserved Oomycete CRN Effector Targets Tomato TCP14-2 to Enhance Virulence. Molecular Plant-Microbe Interactions, 2021, 34, 309-318.	2.6	17
3	Pathogen enrichment sequencing (PenSeq) enables population genomic studies in oomycetes. New Phytologist, 2019, 221, 1634-1648.	7.3	43
4	An NMRA-Like Protein Regulates Gene Expression in <i>Phytophthora capsici</i> to Drive the Infection Cycle on Tomato. Molecular Plant-Microbe Interactions, 2018, 31, 665-677.	2.6	19
5	Random mutagenesis screen shows that <i>Phytophthora capsici</i> CRN83_152â€mediated cell death is not required for its virulence function(s). Molecular Plant Pathology, 2018, 19, 1114-1126.	4.2	14
6	Quantitative analysis of the tomato nuclear proteome during <i>Phytophthora capsici</i> infection unveils regulators of immunity. New Phytologist, 2017, 215, 309-322.	7.3	29
7	Effectorâ€"Decoy Pairs: Another Countermeasure Emerging during Hostâ€"Microbe Co-evolutionary Arms Races?. Molecular Plant, 2017, 10, 662-664.	8.3	3
8	A Perspective on CRN Proteins in the Genomics Age: Evolution, Classification, Delivery and Function Revisited. Frontiers in Plant Science, 2017, 8, 99.	3.6	66
9	Nuclear processes associated with plant immunity and pathogen susceptibility. Briefings in Functional Genomics, 2015, 14, 243-252.	2.7	21
10	DNA-binding protein prediction using plant specific support vector machines: validation and application of a new genome annotation tool. Nucleic Acids Research, 2015, 43, e158-e158.	14.5	20
11	Phytophthora capsici-tomato interaction features dramatic shifts in gene expression associated with a hemi-biotrophic lifestyle. Genome Biology, 2013, 14, R63.	8.8	113
12	Identification and Characterisation CRN Effectors in Phytophthora capsici Shows Modularity and Functional Diversity. PLoS ONE, 2013, 8, e59517.	2.5	156
13	Characterization of cell death inducing Phytophthora capsici CRN effectors suggests diverse activities in the host nucleus. Frontiers in Plant Science, 2013, 4, 387.	3.6	72
14	Effector-triggered post-translational modifications and their role in suppression of plant immunity. Frontiers in Plant Science, 2012, 3, 160.	3.6	32
15	Genome Sequencing and Mapping Reveal Loss of Heterozygosity as a Mechanism for Rapid Adaptation in the Vegetable Pathogen <i>Phytophthora capsici</i>. Molecular Plant-Microbe Interactions, 2012, 25, 1350-1360.	2.6	264
16	The oomycete broadâ€hostâ€range pathogen <i>Phytophthora capsici</i>. Molecular Plant Pathology, 2012, 13, 329-337.	4.2	319
17	<i>Phytophthora infestans</i> effector AVRblb2 prevents secretion of a plant immune protease at the haustorial interface. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20832-20837.	7.1	285
18	A Straightforward Protocol for Electro-transformation of Phytophthora capsici Zoospores. Methods in Molecular Biology, 2011, 712, 129-135.	0.9	24

#	Article	IF	Citations
19	Recent developments in effector biology of filamentous plant pathogens. Cellular Microbiology, 2010, 12, 705-715.	2.1	108
20	Recent developments in effector biology of filamentous plant pathogens. Cellular Microbiology, 2010, 12, 1015-1015.	2.1	11
21	Ancient class of translocated oomycete effectors targets the host nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17421-17426.	7.1	326
22	Protein localization and dynamics within a bacterial organelle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5599-5604.	7.1	31
23	Genome sequence of the necrotrophic plant pathogen Pythium ultimum reveals original pathogenicity mechanisms and effector repertoire. Genome Biology, 2010, 11, R73.	9.6	391
24	Comparative Genome Analysis Provides Insights into the Evolution and Adaptation of Pseudomonas syringae pv. aesculi on Aesculus hippocastanum. PLoS ONE, 2010, 5, e10224.	2.5	104
25	Ten things to know about oomycete effectors. Molecular Plant Pathology, 2009, 10, 795-803.	4.2	185
26	Protein mislocalization in plant cells using a GFPâ€binding chromobody. Plant Journal, 2009, 60, 744-754.	5.7	51
27	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	27.8	1,405
28	<i>In planta</i> Expression of Oomycete and Fungal Genes. , 2007, 354, 35-44.		12
29	Break on through to the other side: outer membrane penetration of the nascent flagellum by a stop-polymerization mechanism. Genes and Development, 2007, 21, 2253-2257.	5.9	0
30	Bacterial Birth Scar Proteins Mark Future Flagellum Assembly Site. Cell, 2006, 124, 1025-1037.	28.9	187
31	A myxobacterial S-motility protein dances with poles. Trends in Microbiology, 2006, 14, 247-248.	7.7	2
32	Synergistic Interactions of the Plant Cell Death Pathways Induced by Phytophthora infestans Nep1-Like Protein PiNPP1.1 and INF1 Elicitin. Molecular Plant-Microbe Interactions, 2006, 19, 854-863.	2.6	178
33	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
34	Differences in Intensity and Specificity of Hypersensitive Response Induction in Nicotiana spp. by INF1, INF2A, and INF2B of Phytophthora infestans. Molecular Plant-Microbe Interactions, 2005, 18, 183-193.	2.6	56
35	Large-Scale Gene Discovery in the Oomycete Phytophthora infestans Reveals Likely Components of Phytopathogenicity Shared with True Fungi. Molecular Plant-Microbe Interactions, 2005, 18, 229-243.	2.6	160
36	A Kazal-like Extracellular Serine Protease Inhibitor from Phytophthora infestans Targets the Tomato Pathogenesis-related Protease P69B. Journal of Biological Chemistry, 2004, 279, 26370-26377.	3.4	301

#	Article	IF	Citations
37	Linking sequence to phenotype in Phytophthoraâ€“plant interactions. Trends in Microbiology, 2004, 12, 193-200.	7.7	65
38	Variation in structure and activity among elicitins from Phytophthora sojae. Molecular Plant Pathology, 2003, 4, 119-124.	4.2	45
39	Active defence responses associated with non-host resistance of Arabidopsis thaliana to the oomycete pathogen Phytophthora infestans. Molecular Plant Pathology, 2003, 4, 487-500.	4.2	90
40	EST Mining and Functional Expression Assays Identify Extracellular Effector Proteins From the Plant Pathogen Phytophthora. Genome Research, 2003, 13, 1675-1685.	5.5	333
41	Combined ESTs from Plantâ€“Microbe Interactions: Using GC Counting to Determine the Species of Origin. , 2003, 236, 79-84.		7
42	Agrosuppression: A Bioassay for the Hypersensitive Response Suited to High-Throughput Screening. Molecular Plant-Microbe Interactions, 2003, 16, 7-13.	2.6	40
43	From sequence to phenotype: functional genomics of<i>Phytophthora</i>. Canadian Journal of Plant Pathology, 2002, 24, 6-9.	1.4	19
44	Resistance to oomycetes: a general role for the hypersensitive response?. Trends in Plant Science, 1999, 4, 196-200.	8.8	183