Sophien Kamoun

List of Publications by Year in Descending Order

313 papers	31,219 citations	98 h-index	172 g-index
355 ext. papers	39,081 ext. citations	9 avg, IF	7.22 L-index

#	Paper	IF	Citations
313	Genome evolution of a nonparasitic secondary heterotroph, the diatom .. *Science Advances*, **2022**, 8, eabi5075	14.3	2
312	A single amino acid polymorphism in a conserved effector of the multihost blast fungus pathogen expands host-target binding spectrum. *PLoS Pathogens*, **2021**, 17, e1009957	7.6	4
311	Functional diversification gave rise to allelic specialization in a rice NLR immune receptor pair. *ELife*, **2021**, 10,	8.9	4
310	A vector system for fast-forward studies of the HOPZ-ACTIVATED RESISTANCE1 (ZAR1) resistosome in the model plant Nicotiana benthamiana. *Plant Physiology*, **2021**,	6.6	2
309	RefPlantNLR is a comprehensive collection of experimentally validated plant disease resistance proteins from the NLR family. *PLoS Biology*, **2021**, 19, e3001124	9.7	7
308	Host-interactor screens of Phytophthora infestans RXLR proteins reveal vesicle trafficking as a major effector-targeted process. *Plant Cell*, **2021**, 33, 1447-1471	11.6	13
307	Allelic variants of the NLR protein Rpi-chc1 differentially recognize members of the Phytophthora infestans PexRD12/31 effector superfamily through the leucine-rich repeat domain. *Plant Journal*, **2021**, 107, 182-197	6.9	6
306	Multiple variants of the fungal effector AVR-Pik bind the HMA domain of the rice protein OsHIPP19, providing a foundation to engineer plant defense. *Journal of Biological Chemistry*, **2021**, 296, 100371	5.4	13
305	A complex resistance locus in Solanum americanum recognizes a conserved Phytophthora effector. *Nature Plants*, **2021**, 7, 198-208	11.5	17
304	Genomic rearrangements generate hypervariable mini-chromosomes in host-specific isolates of the blast fungus. *PLoS Genetics*, **2021**, 17, e1009386	6	7
303	Two NLR immune receptors acquired high-affinity binding to a fungal effector through convergent evolution of their integrated domain. *ELife*, **2021**, 10,	8.9	6
302	An oomycete effector subverts host vesicle trafficking to channel starvation-induced autophagy to the pathogen interface. *ELife*, **2021**, 10,	8.9	8
301	Dynamic localization of a helper NLR at the plant-pathogen interface underpins pathogen recognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
300	Plant pathogens convergently evolved to counteract redundant nodes of an NLR immune receptor network. *PLoS Biology*, **2021**, 19, e3001136	9.7	8
299	Parasitic modulation of host development by ubiquitin-independent protein degradation. *Cell*, **2021**, 184, 5201-5214.e12	56.2	15
298	A Clone Resource of Effectors That Share Sequence and Structural Similarities Across Host-Specific Lineages. *Molecular Plant-Microbe Interactions*, **2020**, 33, 1032-1035	3.6	8
297	Genome Sequences of Plant-Associated sp. Isolates from Tunisia. *Microbiology Resource Announcements*, **2020**, 9,	1.3	2

296	Gene Cluster Is Not Essential for Bacterial Flagellin-Triggered Immunity. *Plant Physiology*, **2020**, 182, 455-459	6.6	6
295	Divergent Evolution of PcF/SCR74 Effectors in Oomycetes Is Associated with Distinct Recognition Patterns in Solanaceous Plants. *MBio*, **2020**, 11,	7.8	4
294	Extracellular proteolytic cascade in tomato activates immune protease Rcr3. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17409-17417	11.5	23
293	Pathogen manipulation of chloroplast function triggers a light-dependent immune recognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9613-9620	11.5	20
292	Differential loss of effector genes in three recently expanded pandemic clonal lineages of the rice blast fungus. *BMC Biology*, **2020**, 18, 88	7.3	11
291	The rice NLR pair Pikp-1/Pikp-2 initiates cell death through receptor cooperation rather than negative regulation. *PLoS ONE*, **2020**, 15, e0238616	3.7	5
290	The plant-pathogen haustorial interface at a glance. *Journal of Cell Science*, **2020**, 133,	5.3	16
289	Old fungus, new trick. *Nature Microbiology*, **2019**, 4, 210-211	26.6	3
288	NLR singletons, pairs, and networks: evolution, assembly, and regulation of the intracellular immunoreceptor circuitry of plants. *Current Opinion in Plant Biology*, **2019**, 50, 121-131	9.9	82
287	Plant health emergencies demand open science: Tackling a cereal killer on the run. *PLoS Biology*, **2019**, 17, e3000302	9.7	20
286	A resistosome-activated Rdeath switch?. *Nature Plants*, **2019**, 5, 457-458	11.5	10
285	Cross-reactivity of a rice NLR immune receptor to distinct effectors from the rice blast pathogen provides partial disease resistance. *Journal of Biological Chemistry*, **2019**, 294, 13006-13016	5.4	10
284	N-terminal Estrand underpins biochemical specialization of an ATG8 isoform. *PLoS Biology*, **2019**, 17, e3000373	9.7	29
283	Overcoming plant blindness in science, education, and society.. *Plants People Planet*, **2019**, 1, 169-172	4.1	16
282	Pyricularia graminis-tritici is not the correct species name for the wheat blast fungus: response to Ceresini et´al. (MPP 20:2). *Molecular Plant Pathology*, **2019**, 20, 173-179	5.7	25
281	Protein engineering expands the effector recognition profile of a rice NLR immune receptor. *ELife*, **2019**, 8,	8.9	57
280	An N-terminal motif in NLR immune receptors is functionally conserved across distantly related plant species. *ELife*, **2019**, 8,	8.9	73
279	Dude, where is my mutant? Nicotiana benthamiana meets forward genetics. *New Phytologist*, **2019**, 221, 607-610	9.8	4

278	Cautionary Notes on Use of the MoT3 Diagnostic Assay for Magnaporthe oryzae Wheat and Rice Blast Isolates. *Phytopathology*, **2019**, 109, 504-508	3.8	16
277	The Blast Fungus Decoded: Genomes in Flux. *MBio*, **2018**, 9,	7.8	16
276	The ELR-SOBIR1 Complex Functions as a Two-Component Receptor-Like Kinase to Mount Defense Against Phytophthora infestans. *Molecular Plant-Microbe Interactions*, **2018**, 31, 795-802	3.6	25
275	nQuire: a statistical framework for ploidy estimation using next generation sequencing. *BMC Bioinformatics*, **2018**, 19, 122	3.6	44
274	The coming of age of EvoMPMI: evolutionary molecular plant-microbe interactions across multiple timescales. *Current Opinion in Plant Biology*, **2018**, 44, 108-116	9.9	46
273	Host autophagy machinery is diverted to the pathogen interface to mediate focal defense responses against the Irish potato famine pathogen. *ELife*, **2018**, 7,	8.9	40
272	CRISPR Crops: Plant Genome Editing Toward Disease Resistance. *Annual Review of Phytopathology*, **2018**, 56, 479-512	10.8	138
271	Polymorphic residues in rice NLRs expand binding and response to effectors of the blast pathogen. *Nature Plants*, **2018**, 4, 576-585	11.5	63
270	Gene expression polymorphism underpins evasion of host immunity in an asexual lineage of the Irish potato famine pathogen. *BMC Evolutionary Biology*, **2018**, 18, 93	3	29
269	Receptor networks underpin plant immunity. *Science*, **2018**, 360, 1300-1301	33.3	87
268	Author response: Host autophagy machinery is diverted to the pathogen interface to mediate focal defense responses against the Irish potato famine pathogen **2018**,		3
267	Lessons in Effector and NLR Biology of Plant-Microbe Systems. *Molecular Plant-Microbe Interactions* , **2018**, 31, 34-45	3.6	68
266	Phytophthora methylomes are modulated by 6mA methyltransferases and associated with adaptive genome regions. *Genome Biology*, **2018**, 19, 181	18.3	27
265	Arabidopsis late blight: infection of a nonhost plant by Albugo laibachii enables full colonization by Phytophthora infestans. *Cellular Microbiology*, **2017**, 19, e12628	3.9	33
264	Albugo-imposed changes to tryptophan-derived antimicrobial metabolite biosynthesis may contribute to suppression of non-host resistance to Phytophthora infestans in Arabidopsis thaliana. *BMC Biology*, **2017**, 15, 20	7.3	20
263	Effectors of Filamentous Plant Pathogens: Commonalities amid Diversity. *Microbiology and Molecular Biology Reviews*, **2017**, 81,	13.2	100
262	Rapid generation of a transgene-free powdery mildew resistant tomato by genome deletion. *Scientific Reports*, **2017**, 7, 482	4.9	357
261	ATG8 Expansion: A Driver of Selective Autophagy Diversification?. *Trends in Plant Science*, **2017**, 22, 204-214	13.1	83

260	Genome sequencing of the staple food crop white Guinea yam enables the development of a molecular marker for sex determination. *BMC Biology*, **2017**, 15, 86	7.3	70
259	Genome analysis of the foxtail millet pathogen Sclerospora graminicola reveals the complex effector repertoire of graminicolous downy mildews. *BMC Genomics*, **2017**, 18, 897	4.5	11
258	Protein-Protein Interaction Assays with Effector-GFP Fusions in Nicotiana benthamiana. *Methods in Molecular Biology*, **2017**, 1659, 85-98	1.4	5
257	NLR network mediates immunity to diverse plant pathogens. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8113-8118	11.5	184
256	Can a biologist fix a smartphone?-Just hack it!. *BMC Biology*, **2017**, 15, 37	7.3	1
255	Genome Editing in Diatoms Using CRISPR-Cas to Induce Precise Bi-allelic Deletions. *Bio-protocol*, **2017**, 7, e2625	0.9	4
254	Structural Basis of Host Autophagy-related Protein 8 (ATG8) Binding by the Irish Potato Famine Pathogen Effector Protein PexRD54. *Journal of Biological Chemistry*, **2016**, 291, 20270-20282	5.4	52
253	Fungal pathogenesis: Host modulation every which way. *Nature Microbiology*, **2016**, 1, 16075	26.6	0
252	Host specialization of the blast fungus Magnaporthe oryzae is associated with dynamic gain and loss of genes linked to transposable elements. *BMC Genomics*, **2016**, 17, 370	4.5	98
251	Scientific record: Class uncorrected errors as misconduct. *Nature*, **2016**, 531, 173	50.4	8
250	An effector of the Irish potato famine pathogen antagonizes a host autophagy cargo receptor. *ELife*, **2016**, 5,	8.9	127
249	Heterologous Expression Screens in Nicotiana benthamiana Identify a Candidate Effector of the Wheat Yellow Rust Pathogen that Associates with Processing Bodies. *PLoS ONE*, **2016**, 11, e0149035	3.7	50
248	Rust fungal effectors mimic host transit peptides to translocate into chloroplasts. *Cellular Microbiology*, **2016**, 18, 453-65	3.9	57
247	Editing of the urease gene by CRISPR-Cas in the diatom. *Plant Methods*, **2016**, 12, 49	5.8	98
246	Emerging oomycete threats to plants and animals. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	69
245	Helper NLR proteins NRC2a/b and NRC3 but not NRC1 are required for Pto-mediated cell death and resistance in Nicotiana benthamiana. *New Phytologist*, **2016**, 209, 1344-52	9.8	60
244	Plant immunity switched from bacteria to virus. *Nature Biotechnology*, **2016**, 34, 391-2	44.5	7
243	Nine things to know about elicitins. *New Phytologist*, **2016**, 212, 888-895	9.8	57

242	Emergence of wheat blast in Bangladesh was caused by a South American lineage of Magnaporthe oryzae. *BMC Biology*, **2016**, 14, 84	7.3	242
241	The "sensor domains" of plant NLR proteins: more than decoys?. *Frontiers in Plant Science*, **2015**, 6, 134	6.2	60
240	Elicitin recognition confers enhanced resistance to Phytophthora infestans in potato. *Nature Plants*, **2015**, 1, 15034	11.5	144
239	Field pathogenomics reveals the emergence of a diverse wheat yellow rust population. *Genome Biology*, **2015**, 16, 23	18.3	126
238	MutMap accelerates breeding of a salt-tolerant rice cultivar. *Nature Biotechnology*, **2015**, 33, 445-9	44.5	175
237	Evolution of Hyaloperonospora effectors: ATR1 effector homologs from sister species of the downy mildew pathogen H. arabidopsidis are not recognised by RPP1WsB. *Mycological Progress*, **2015**, 14, 1	1.9	3
236	Functional Divergence of Two Secreted Immune Proteases of Tomato. *Current Biology*, **2015**, 25, 2300-6	6.3	46
235	Whole Genome Sequencing to Identify Genes and QTL in Rice **2015**, 33-42		3
234	Boosting plant immunity with CRISPR/Cas. *Genome Biology*, **2015**, 16, 254	18.3	54
233	Editing plant genomes with CRISPR/Cas9. *Current Opinion in Biotechnology*, **2015**, 32, 76-84	11.4	364
232	Rerouting of plant late endocytic trafficking toward a pathogen interface. *Traffic*, **2015**, 16, 204-26	5.7	70
231	The Top 10 oomycete pathogens in molecular plant pathology. *Molecular Plant Pathology*, **2015**, 16, 413-34	3.7	417
230	Standards for plant synthetic biology: a common syntax for exchange of DNA parts. *New Phytologist*, **2015**, 208, 13-9	9.8	167
229	Tomato I2 Immune Receptor Can Be Engineered to Confer Partial Resistance to the Oomycete Phytophthora infestans in Addition to the Fungus Fusarium oxysporum. *Molecular Plant-Microbe Interactions*, **2015**, 28, 1316-29	3.6	54
228	Genome analyses of the sunflower pathogen Plasmopara halstedii provide insights into effector evolution in downy mildews and Phytophthora. *BMC Genomics*, **2015**, 16, 741	4.5	78
227	Incorporating prior knowledge improves detection of differences in bacterial growth rate. *BMC Systems Biology*, **2015**, 9, 60	3.5	7
226	Rice Exo70 interacts with a fungal effector, AVR-Pii, and is required for AVR-Pii-triggered immunity. *Plant Journal*, **2015**, 83, 875-87	6.9	72
225	Phytophthora infestans RXLR-WY Effector AVR3a Associates with Dynamin-Related Protein 2 Required for Endocytosis of the Plant Pattern Recognition Receptor FLS2. *PLoS ONE*, **2015**, 10, e0137071	3.7	49

224	Computational analyses of ancient pathogen DNA from herbarium samples: challenges and prospects. *Frontiers in Plant Science*, **2015**, 6, 771	6.2	13
223	A Recent Expansion of the RXLR Effector Gene Avrblb2 Is Maintained in Global Populations of Phytophthora infestans Indicating Different Contributions to Virulence. *Molecular Plant-Microbe Interactions*, **2015**, 28, 901-12	3.6	28
222	The two-speed genomes of filamentous pathogens: waltz with plants. *Current Opinion in Genetics and Development*, **2015**, 35, 57-65	4.9	288
221	Candidate Effector Proteins of the Rust Pathogen Melampsora larici-populina Target Diverse Plant Cell Compartments. *Molecular Plant-Microbe Interactions*, **2015**, 28, 689-700	3.6	105
220	Lessons from Fraxinus, a crowd-sourced citizen science game in genomics. *ELife*, **2015**, 4, e07460	8.9	16
219	Structural basis of pathogen recognition by an integrated HMA domain in a plant NLR immune receptor. *ELife*, **2015**, 4,	8.9	153
218	Effector specialization in a lineage of the Irish potato famine pathogen. *Science*, **2014**, 343, 552-5	33.3	143
217	Single amino acid mutations in the potato immune receptor R3a expand response to Phytophthora effectors. *Molecular Plant-Microbe Interactions*, **2014**, 27, 624-37	3.6	87
216	Variation in capsidiol sensitivity between Phytophthora infestans and Phytophthora capsici is consistent with their host range. *PLoS ONE*, **2014**, 9, e107462	3.7	14
215	Phytophthora infestans RXLR effector PexRD2 interacts with host MAPKKK ε to suppress plant immune signaling. *Plant Cell*, **2014**, 26, 1345-59	11.6	132
214	The Plant Membrane-Associated REMORIN1.3 Accumulates in Discrete Perihaustorial Domains and Enhances Susceptibility to Phytophthora infestans. *Plant Physiology*, **2014**, 165, 1005-1018	6.6	81
213	How do filamentous pathogens deliver effector proteins into plant cells?. *PLoS Biology*, **2014**, 12, e1001801	9.7	156
212	Single nucleus genome sequencing reveals high similarity among nuclei of an endomycorrhizal fungus. *PLoS Genetics*, **2014**, 10, e1004078	6	195
211	Mining herbaria for plant pathogen genomes: back to the future. *PLoS Pathogens*, **2014**, 10, e1004028	7.6	50
210	Multiple recognition of RXLR effectors is associated with nonhost resistance of pepper against Phytophthora infestans. *New Phytologist*, **2014**, 203, 926-38	9.8	45
209	The genome sequence and effector complement of the flax rust pathogen Melampsora lini. *Frontiers in Plant Science*, **2014**, 5, 98	6.2	84
208	Two-dimensional data binning for the analysis of genome architecture in filamentous plant pathogens and other eukaryotes. *Methods in Molecular Biology*, **2014**, 1127, 29-51	1.4	20
207	Targeted mutagenesis in the model plant Nicotiana benthamiana using Cas9 RNA-guided endonuclease. *Nature Biotechnology*, **2013**, 31, 691-3	44.5	742

206	Genome analyses of the wheat yellow (stripe) rust pathogen Puccinia striiformis f. sp. tritici reveal polymorphic and haustorial expressed secreted proteins as candidate effectors. *BMC Genomics*, **2013**, 14, 270	4.5	159
205	MutMap-Gap: whole-genome resequencing of mutant F2 progeny bulk combined with de novo assembly of gap regions identifies the rice blast resistance gene Pii. *New Phytologist*, **2013**, 200, 276-283	9.8	149
204	A genomic variation map provides insights into the genetic basis of cucumber domestication and diversity. *Nature Genetics*, **2013**, 45, 1510-5	36.3	307
203	From pathogen genomes to host plant processes: the power of plant parasitic oomycetes. *Genome Biology*, **2013**, 14, 211	18.3	53
202	Plant genome editing made easy: targeted mutagenesis in model and crop plants using the CRISPR/Cas system. *Plant Methods*, **2013**, 9, 39	5.8	431
201	QTL-seq: rapid mapping of quantitative trait loci in rice by whole genome resequencing of DNA from two bulked populations. *Plant Journal*, **2013**, 74, 174-83	6.9	619
200	Re: Séralini, G.-E., et al. Long term toxicity of a Roundup herbicide and a Roundup-tolerant genetically modified maize. Food Chem. Toxicol. (2012). *Food and Chemical Toxicology*, **2013**, 53, 450-3	4.7	3
199	Deployment of the Burkholderia glumae type III secretion system as an efficient tool for translocating pathogen effectors to monocot cells. *Plant Journal*, **2013**, 74, 701-12	6.9	35
198	Regulation of transcription of nucleotide-binding leucine-rich repeat-encoding genes SNC1 and RPP4 via H3K4 trimethylation. *Plant Physiology*, **2013**, 162, 1694-705	6.6	56
197	Hooked and cooked: a fish killer genome exposed. *PLoS Genetics*, **2013**, 9, e1003590	6	11
196	The rise and fall of the Phytophthora infestans lineage that triggered the Irish potato famine. *ELife*, **2013**, 2, e00731	8.9	246
195	Major transcriptome reprogramming underlies floral mimicry induced by the rust fungus Puccinia monoica in Boechera stricta. *PLoS ONE*, **2013**, 8, e75293	3.7	17
194	MutMap+: genetic mapping and mutant identification without crossing in rice. *PLoS ONE*, **2013**, 8, e68529	3.7	171
193	Coval: improving alignment quality and variant calling accuracy for next-generation sequencing data. *PLoS ONE*, **2013**, 8, e75402	3.7	44
192	Patterns of plant subcellular responses to successful oomycete infections reveal differences in host cell reprogramming and endocytic trafficking. *Cellular Microbiology*, **2012**, 14, 682-97	3.9	97
191	Qualitative and quantitative late blight resistance in the potato cultivar Sarpo Mira is determined by the perception of five distinct RXLR effectors. *Molecular Plant-Microbe Interactions*, **2012**, 25, 910-9	3.6	125
190	A common signaling process that promotes mycorrhizal and oomycete colonization of plants. *Current Biology*, **2012**, 22, 2242-6	6.3	220
189	Genome evolution in filamentous plant pathogens: why bigger can be better. *Nature Reviews Microbiology*, **2012**, 10, 417-30	22.2	483

188	Effector biology of plant-associated organisms: concepts and perspectives. *Cold Spring Harbor Symposia on Quantitative Biology*, **2012**, 77, 235-47	3.9	258
187	Big data in small places. *Nature Biotechnology*, **2012**, 30, 33-4	44.5	16
186	Genome sequencing and mapping reveal loss of heterozygosity as a mechanism for rapid adaptation in the vegetable pathogen Phytophthora capsici. *Molecular Plant-Microbe Interactions*, **2012**, 25, 1350-60	3.6	183
185	Oomycetes, effectors, and all that jazz. *Current Opinion in Plant Biology*, **2012**, 15, 483-92	9.9	188
184	Genome sequencing reveals agronomically important loci in rice using MutMap. *Nature Biotechnology*, **2012**, 30, 174-8	44.5	731
183	Using hierarchical clustering of secreted protein families to classify and rank candidate effectors of rust fungi. *PLoS ONE*, **2012**, 7, e29847	3.7	164
182	Large-scale gene disruption in Magnaporthe oryzae identifies MC69, a secreted protein required for infection by monocot and dicot fungal pathogens. *PLoS Pathogens*, **2012**, 8, e1002711	7.6	110
181	The Irish potato famine pathogen Phytophthora infestans translocates the CRN8 kinase into host plant cells. *PLoS Pathogens*, **2012**, 8, e1002875	7.6	57
180	Sequence divergent RXLR effectors share a structural fold conserved across plant pathogenic oomycete species. *PLoS Pathogens*, **2012**, 8, e1002400	7.6	104
179	Host protein BSL1 associates with Phytophthora infestans RXLR effector AVR2 and the Solanum demissum Immune receptor R2 to mediate disease resistance. *Plant Cell*, **2012**, 24, 3420-34	11.6	105
178	Genome analyses of an aggressive and invasive lineage of the Irish potato famine pathogen. *PLoS Pathogens*, **2012**, 8, e1002940	7.6	260
177	Phytophthora infestans 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, 20832-7	11.5	206
176	Innate Immunity: Pattern Recognition in Plants **2011**, 1-32		
175	Microbial Effectors and Their Role in Plant Defense Suppression **2011**, 33-52		2
174	Mutualistic Effectors: Architects of Symbiosis **2011**, 295-326		2
173	The Effectors of Smut Fungi **2011**, 77-99		1
172	Understanding and exploiting late blight resistance in the age of effectors. *Annual Review of Phytopathology*, **2011**, 49, 507-31	10.8	298
171	Suppression and Activation of the Plant Immune System by Pseudomonas syringae Effectors AvrPto and AvrPtoB **2011**, 121-154		5

170	Dothideomycete Effectors Facilitating Biotrophic and Necrotrophic Lifestyles **2011**, 195-218		
169	Effector Translocation and Delivery by the Rice Blast Fungus Magnaporthe oryzae **2011**, 219-241		2
168	Entry of Oomycete and Fungal Effectors into Host Cells **2011**, 243-275		7
167	Nematode Effector Proteins: Targets and Functions in Plant Parasitism **2011**, 327-354		12
166	Effectors in Plant□nsect Interactions **2011**, 355-375		2
165	The receptor-like kinase SERK3/BAK1 is required for basal resistance against the late blight pathogen phytophthora infestans in Nicotiana benthamiana. *PLoS ONE*, **2011**, 6, e16608	3.7	133
164	Presence/absence, differential expression and sequence polymorphisms between PiAVR2 and PiAVR2-like in Phytophthora infestans determine virulence on R2 plants. *New Phytologist*, **2011**, 191, 763-776	9.8	118
163	Rust Effectors **2011**, 155-193		9
162	Purification of effector-target protein complexes via transient expression in Nicotiana benthamiana. *Methods in Molecular Biology*, **2011**, 712, 181-94	1.4	50
161	Structures of Phytophthora RXLR effector proteins: a conserved but adaptable fold underpins functional diversity. *Journal of Biological Chemistry*, **2011**, 286, 35834-35842	5.4	131
160	Phosphatidylinositol monophosphate-binding interface in the oomycete RXLR effector AVR3a is required for its stability in host cells to modulate plant immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14682-7	11.5	123
159	A straightforward protocol for electro-transformation of Phytophthora capsici zoospores. *Methods in Molecular Biology*, **2011**, 712, 129-35	1.4	19
158	Recent developments in effector biology of filamentous plant pathogens. *Cellular Microbiology*, **2010**, 12, 705-15	3.9	88
157	Recent developments in effector biology of filamentous plant pathogens. *Cellular Microbiology*, **2010**, 12, 1015	3.9	9
156	An effector-targeted protease contributes to defense against Phytophthora infestans and is under diversifying selection in natural hosts. *Plant Physiology*, **2010**, 154, 1794-804	6.6	121
155	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, 9909-14	11.5	309
154	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, 17421-6	11.5	220
153	Signatures of adaptation to obligate biotrophy in the Hyaloperonospora arabidopsidis genome. *Science*, **2010**, 330, 1549-1551	33.3	353

152	Genome evolution following host jumps in the Irish potato famine pathogen lineage. *Science*, **2010**, 330, 1540-3	33.3	319
151	Genome sequence of the necrotrophic plant pathogen Pythium ultimum reveals original pathogenicity mechanisms and effector repertoire. *Genome Biology*, **2010**, 11, R73	18.3	280
150	Oomycete-plant coevolution: recent advances and future prospects. *Current Opinion in Plant Biology*, **2010**, 13, 427-33	9.9	135
149	Analyses of genome architecture and gene expression reveal novel candidate virulence factors in the secretome of Phytophthora infestans. *BMC Genomics*, **2010**, 11, 637	4.5	141
148	Comparative genome analysis provides insights into the evolution and adaptation of Pseudomonas syringae pv. aesculi on Aesculus hippocastanum. *PLoS ONE*, **2010**, 5, e10224	3.7	88
147	Oomycetes RXLR Effectors Function as Both Activator and Suppressor of Plant Immunity. *Plant Pathology Journal*, **2010**, 26, 209-215	2.5	7
146	Association genetics reveals three novel avirulence genes from the rice blast fungal pathogen Magnaporthe oryzae. *Plant Cell*, **2009**, 21, 1573-91	11.6	302
145	Towards understanding the virulence functions of RXLR effectors of the oomycete plant pathogen Phytophthora infestans. *Journal of Experimental Botany*, **2009**, 60, 1133-40	7	80
144	In planta expression screens of Phytophthora infestans RXLR effectors reveal diverse phenotypes, including activation of the Solanum bulbocastanum disease resistance protein Rpi-blb2. *Plant Cell*, **2009**, 21, 2928-47	11.6	245
143	Entomopathogenic nematodes induce components of systemic resistance in plants: Biochemical and molecular evidence. *Biological Control*, **2009**, 51, 102-109	3.8	27
142	Ten things to know about oomycete effectors. *Molecular Plant Pathology*, **2009**, 10, 795-803	5.7	136
141	Protein mislocalization in plant cells using a GFP-binding chromobody. *Plant Journal*, **2009**, 60, 744-54	6.9	42
140	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. *Nature* , **2009**, 461, 393-8	50.4	1041
139	INF1 Elicitin Activates Jasmonic Acid- and Ethylene-mediated Signalling Pathways and Induces Resistance to Bacterial Wilt Disease in Tomato. *Journal of Phytopathology*, **2009**, 157, 287-297	1.8	43
138	Emerging concepts in effector biology of plant-associated organisms. *Molecular Plant-Microbe Interactions*, **2009**, 22, 115-22	3.6	482
137	The Secretome of Plant-Associated Fungi and Oomycetes **2009**, 173-180		14
136	Apoplastic effectors secreted by two unrelated eukaryotic plant pathogens target the tomato defense protease Rcr3. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1654-9	11.5	204
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