Anna O Avrova

List of Publications by Year
in descending order

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25 papers	3,790 citations	430874 18 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	3264 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	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
4	Cellulose Synthesis inPhytophthora infestansIs Required for Normal Appressorium Formation and Successful Infection of Potato. Plant Cell, 2008, 20, 720-738.	6.6	133
5	Elevated amino acid biosynthesis in Phytophthora infestans during appressorium formation and potato infection. Fungal Genetics and Biology, 2005, 42, 244-256.	2.1	110
6	A method for double-stranded RNA-mediated transient gene silencing inPhytophthora infestans. Molecular Plant Pathology, 2005, 6, 153-163.	4.2	108
7	Secreted pectin monooxygenases drive plant infection by pathogenic oomycetes. Science, 2021, 373, 774-779.	12.6	106
8	Plasmodium falciparum and Hyaloperonospora parasitica effector translocation motifs are functional in Phytophthora infestans. Microbiology (United Kingdom), 2008, 154, 3743-3751.	1.8	94
9	Profiling and quantifying differential gene transcription in Phytophthora infestans prior to and during the early stages of potato infection. Fungal Genetics and Biology, 2003, 40, 4-14.	2.1	92
10	A novelPhytophthora infestanshaustorium-specific membrane protein is required for infection of potato. Cellular Microbiology, 2008, 10, 2271-2284.	2.1	87
11	Evidence for Small RNAs Homologous to Effector-Encoding Genes and Transposable Elements in the Oomycete Phytophthora infestans. PLoS ONE, 2012, 7, e51399.	2.5	79
12	Control of foliar diseases in barley: towards an integrated approach. European Journal of Plant Pathology, 2012, 133, 33-73.	1.7	73
13	Evidence for involvement of Dicerâ€like, Argonaute and histone deacetylase proteins in gene silencing in Phytophthora infestans. Molecular Plant Pathology, 2011, 12, 772-785.	4.2	64
14	<scp>R</scp>hynchosporium commune: a persistent threat to barley cultivation. Molecular Plant Pathology, 2012, 13, 986-997.	4.2	56
15	A new proteinaceous pathogenâ€associated molecular pattern (<scp>PAMP</scp>) identified in Ascomycete fungi induces cell death in Solanaceae. New Phytologist, 2017, 214, 1657-1672.	7.3	55
16	Comparative genomics to explore phylogenetic relationship, cryptic sexual potential and host specificity of Rhynchosporium species on grasses. BMC Genomics, 2016, 17, 953.	2.8	33
17	A novel non-protein-coding infection-specific gene family is clustered throughout the genome of Phytophthora infestans. Microbiology (United Kingdom), 2007, 153, 747-759.	1.8	27
18	Fragmentation of tRNA in Phytophthora infestans asexual life cycle stages and during host plant infection. BMC Microbiology, 2014, 14, 308.	3.3	24

#	Article	IF	Citations
19	Silencing of the PiAvr3a effector-encoding gene from Phytophthora infestans by transcriptional fusion to a short interspersed element. Fungal Biology, 2011, 115, 1225-1233.	2.5	18
20	Resistance to Rhynchosporium commune in a collection of European spring barley germplasm. Theoretical and Applied Genetics, 2018, 131, 2513-2528.	3.6	17
21	Characterisation of barley resistance to rhynchosporium on chromosome 6HS. Theoretical and Applied Genetics, 2019, 132, 1089-1107.	3.6	13
22	Phenotypic diversification by gene silencing inPhytophthoraplant pathogens. Communicative and Integrative Biology, 2013, 6, e25890.	1.4	9
23	Characterisation of barley landraces from Syria and Jordan for resistance to rhynchosporium and identification of diagnostic markers for Rrs1Rh4. Theoretical and Applied Genetics, 2020, 133, 1243-1264.	3.6	7
24	Genome-Wide Association Study for Resistance to Rhynchosporium in a Diverse Collection of Spring Barley Germplasm. Agronomy, 2022, 12, 782.	3.0	2
25	Gene Expression Profiling. , 0, , 477-492.		0