Andrea Sanchez-Vallet

List of Publications by Year
in descending order

43 papers	4,718 citations	201674 27 h-index	345221 36 g-index

50 all docs	50 docs citations	50 times ranked	5594 citing authors

#	Article	IF	Citations
1	Asexual reproductive potential trumps virulence as a predictor of competitive ability in mixed infections. Environmental Microbiology, 2022, , .	3.8	6
2	A wheat cysteine-rich receptor-like kinase confers broad-spectrum resistance against Septoria tritici blotch. Nature Communications, 2021, 12, 433.	12.8	55
3	Mixed infections alter transmission potential in a fungal plant pathogen. Environmental Microbiology, 2021, 23, 2315-2330.	3.8	25
4	Cell wallâ€derived mixedâ€linked Î²â€1,3/1,4â€glucans trigger immune responses and disease resistance in plants. Plant Journal, 2021, 106, 601-615.	5.7	69
5	Soil composition and plant genotype determine benzoxazinoidâ€mediated plantâ€“soil feedbacks in cereals. Plant, Cell and Environment, 2021, 44, 3732-3744.	5.7	8
6	Arabidopsis cell wall composition determines disease resistance specificity and fitness. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	88
7	Domestication of High-Copy Transposons Underlays the Wheat Small RNA Response to an Obligate Pathogen. Molecular Biology and Evolution, 2020, 37, 839-848.	8.9	21
8	Chromatin Dynamics Contribute to the Spatiotemporal Expression Pattern of Virulence Genes in a Fungal Plant Pathogen. MBio, 2020, 11, .	4.1	29
9	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. PLoS Pathogens, 2020, 16, e1008652.	4.7	44
10	MAMP-triggered Medium Alkalinization of Plant Cell Cultures. Bio-protocol, 2020, 10, e3588.	0.4	2
11	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. , 2020, 16, e1008652.		0
12	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. , 2020, 16, e1008652.		0
13	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. , 2020, 16, e1008652.		0
14	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. , 2020, 16, e1008652.		0
15	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. , 2020, 16, e1008652.		0
16	A secreted LysM effector protects fungal hyphae through chitin-dependent homodimer polymerization. , 2020, 16, e1008652.		0
17	A fungal avirulence factor encoded in a highly plastic genomic region triggers partial resistance to septoria tritici blotch. New Phytologist, 2018, 219, 1048-1061.	7.3	103
18	Quantitative trait locus mapping reveals complex genetic architecture of quantitative virulence in the wheat pathogen Zymoseptoria tritici. Molecular Plant Pathology, 2018, 19, 201-216.	4.2	76

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19	Nature's genetic screens: using genomeâ€wide association studies for effector discovery. Molecular Plant Pathology, 2018, 19, 3-6.	4.2	34
20	Glutathione Transferase U13 Functions in Pathogen-Triggered Glucosinolate Metabolism. Plant Physiology, 2018, 176, 538-551.	4.8	69
21	Suppression of Plant Immunity by Fungal Chitinase-like Effectors. Current Biology, 2018, 28, 3023-3030.e5.	3.9	53
22	The Genome Biology of Effector Gene Evolution in Filamentous Plant Pathogens. Annual Review of Phytopathology, 2018, 56, 21-40.	7.8	195
23	Transposable element insertions shape gene regulation and melanin production in a fungal pathogen of wheat. BMC Biology, 2018, 16, 78.	3.8	70
24	A fungal wheat pathogen evolved host specialization by extensive chromosomal rearrangements. ISME Journal, 2017, 11, 1189-1204.	9.8	166
25	Verticillium dahliae LysM effectors differentially contribute to virulence on plant hosts. Molecular Plant Pathology, 2017, 18, 596-608.	4.2	122
26	Alteration of cell wall xylan acetylation triggers defense responses that counterbalance the immune deficiencies of plants impaired in the Î²â€subunit of the heterotrimeric Gâ€protein. Plant Journal, 2017, 92, 386-399.	5.7	68
27	Regulation of Pathogen-Triggered Tryptophan Metabolism in Arabidopsis thaliana by MYB Transcription Factors and Indole Glucosinolate Conversion Products. Molecular Plant, 2016, 9, 682-695.	8.3	149
28	The battle for chitin recognition in plant-microbe interactions. FEMS Microbiology Reviews, 2015, 39, 171-183.	8.6	238
29	Is Zymoseptoria tritici a hemibiotroph?. Fungal Genetics and Biology, 2015, 79, 29-32.	2.1	95
30	Functional genomics tools to decipher the pathogenicity mechanisms of the necrotrophic fungus <scp>P</scp>lectosphaerella cucumerina in <scp>A</scp>rabidopsis thaliana. Molecular Plant Pathology, 2013, 14, 44-57.	4.2	25
31	Disease resistance or growth: the role of plant hormones in balancing immune responses and fitness costs. Frontiers in Plant Science, 2013, 4, 155.	3.6	505
32	Fungal effector Ecp6 outcompetes host immune receptor for chitin binding through intrachain LysM dimerization. ELife, 2013, 2, e00790.	6.0	217
33	Disruption of Abscisic Acid Signaling Constitutively Activates Arabidopsis Resistance to the Necrotrophic FungusPlectosphaerella cucumerinaÂ Â. Plant Physiology, 2012, 160, 2109-2124.	4.8	132
34	Arabidopsis Heterotrimeric G-protein Regulates Cell Wall Defense and Resistance to Necrotrophic Fungi. Molecular Plant, 2012, 5, 98-114.	8.3	141
35	The role of chitin detection in plantâ€“pathogen interactions. Microbes and Infection, 2011, 13, 1168-1176.	1.9	90
36	Tryptophan-derived secondary metabolites in Arabidopsis thaliana confer non-host resistance to necrotrophic Plectosphaerella cucumerina fungi. Plant Journal, 2010, 63, no-no.	5.7	191

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37	A Glucosinolate Metabolism Pathway in Living Plant Cells Mediates Broad-Spectrum Antifungal Defense. Science, 2009, 323, 101-106.	12.6	927
38	Repression of the Auxin Response Pathway Increases Arabidopsis Susceptibility to Necrotrophic Fungi. Molecular Plant, 2008, 1, 496-509.	8.3	208
39	Impairment of Cellulose Synthases Required for Arabidopsis Secondary Cell Wall Formation Enhances Disease Resistance. Plant Cell, 2007, 19, 890-903.	6.6	380
40	A Minimalist Design Approach to Antimicrobial Agents Based on a Thionin Template. Journal of Medicinal Chemistry, 2006, 49, 448-451.	6.4	25
41	A Minimalist Approach to Antimicrobial Proteins with Thionin as a Template. , 2006, , 248-251.		0
42	Structural Dissection of a Highly Knotted Peptide Reveals Minimal Motif with Antimicrobial Activity. Journal of Biological Chemistry, 2005, 280, 1661-1668.	3.4	32
43	Synthetic and structural studies onPyrularia puberathionin: a single-residue mutation enhances activity against Gram-negative bacteria. FEBS Letters, 2003, 536, 215-219.	2.8	43