Paul Thorsten NÃ¼rnberger

List of Publications by Year
in descending order

41 papers	12,824 citations	147801 31 h-index	276875 41 g-index
46 all docs	46 docs citations	46 times ranked	20045 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	A flagellin-induced complex of the receptor FLS2 and BAK1 initiates plant defence. Nature, 2007, 448, 497-500.	27.8	1,619
3	Of PAMPs and Effectors: The Blurred PTI-ETI Dichotomy. Plant Cell, 2011, 23, 4-15.	6.6	896
4	Bacterial Effectors Target the Common Signaling Partner BAK1 to Disrupt Multiple MAMP Receptor-Signaling Complexes and Impede Plant Immunity. Cell Host and Microbe, 2008, 4, 17-27.	11.0	498
5	Arabidopsis lysin-motif proteins LYM1 LYM3 CERK1 mediate bacterial peptidoglycan sensing and immunity to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19824-19829.	7.1	442
6	Receptor-Mediated Increase in Cytoplasmic Free Calcium Required for Activation of Pathogen Defense in Parsley. Plant Cell, 2000, 12, 1425-1440.	6.6	389
7	An RLP23â€“SOBIR1â€“BAK1 complex mediates NLP-triggered immunity. Nature Plants, 2015, 1, 15140.	9.3	373
8	Phytotoxicity and Innate Immune Responses Induced by Nep1-Like Proteins. Plant Cell, 2007, 18, 3721-3744.	6.6	314
9	Nep1-like proteins from plant pathogens: Recruitment and diversification of the NPP1 domain across taxa. Phytochemistry, 2006, 67, 1800-1807.	2.9	312
10	Sensing Danger: Key to Activating Plant Immunity. Trends in Plant Science, 2017, 22, 779-791.	8.8	300
11	Immune receptor complexes at the plant cell surface. Current Opinion in Plant Biology, 2014, 20, 47-54.	7.1	227
12	A common toxin fold mediates microbial attack and plant defense. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10359-10364.	7.1	224
13	The EDS1â€“PAD4â€“ADR1 node mediates Arabidopsis pattern-triggered immunity. Nature, 2021, 598, 495-499.	27.8	223
14	The Leucine-Rich Repeat Receptor Kinase BIR2 Is a Negative Regulator of BAK1 in Plant Immunity. Current Biology, 2014, 24, 134-143.	3.9	219
15	Plant LysM proteins: modules mediating symbiosis and immunity. Trends in Plant Science, 2012, 17, 495-502.	8.8	189
16	Nep1-like proteins from three kingdoms of life act as a microbe-associated molecular pattern in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16955-16960.	7.1	189
17	The transcriptional landscape of Arabidopsis thaliana pattern-triggered immunity. Nature Plants, 2021, 7, 579-586.	9.3	172
18	Eudicot plant-specific sphingolipids determine host selectivity of microbial NLP cytolysins. Science, 2017, 358, 1431-1434.	12.6	167

#	Article	IF	Citations
19	A Conserved Peptide Pattern from a Widespread Microbial Virulence Factor Triggers Pattern-Induced Immunity in Arabidopsis. PLoS Pathogens, 2014, 10, e1004491.	4.7	166
20	Surface Sensor Systems in Plant Immunity. Plant Physiology, 2020, 182, 1582-1596.	4.8	140
21	The Verticilliumâ€specific protein VdSCP7 localizes to the plant nucleus and modulates immunity to fungal infections. New Phytologist, 2017, 215, 368-381.	7.3	130
22	Evasion of plant immunity by microbial pathogens. Nature Reviews Microbiology, 2022, 20, 449-464.	28.6	129
23	Biotechnological concepts for improving plant innate immunity. Current Opinion in Biotechnology, 2010, 21, 204-210.	6.6	93
24	The fungal ligand chitin directly binds <scp>TLR</scp> 2 and triggers inflammation dependent on oligomer size. EMBO Reports, 2018, 19, .	4.5	75
25	Plant cell surface immune receptor complex signaling. Current Opinion in Plant Biology, 2019, 50, 18-28.	7.1	75
26	Comparing Arabidopsis receptor kinase and receptor proteinâ€mediated immune signaling reveals BIK1â€dependent differences. New Phytologist, 2019, 221, 2080-2095.	7.3	73
27	Host-induced bacterial cell wall decomposition mediates pattern-triggered immunity in Arabidopsis. ELife, 2014, 3, .	6.0	61
28	A novel <scp>A</scp>rabidopsis <scp>CHITIN ELICITOR RECEPTOR KINASE 1 (CERK1)</scp> mutant with enhanced pathogenâ€induced cell death and altered receptor processing. New Phytologist, 2014, 204, 955-967.	7.3	55
29	Plant immunity unified. Nature Plants, 2021, 7, 382-383.	9.3	49
30	Distinct immune sensor systems for fungal endopolygalacturonases in closely related Brassicaceae. Nature Plants, 2021, 7, 1254-1263.	9.3	40
31	Molecular basis for functional diversity among microbial Nep1-like proteins. PLoS Pathogens, 2019, 15, e1007951.	4.7	39
32	A set of Arabidopsis genes involved in the accommodation of the downy mildew pathogen Hyaloperonospora arabidopsidis. PLoS Pathogens, 2019, 15, e1007747.	4.7	37
33	The tomato receptor CuRe1 senses a cell wall protein to identify Cuscuta as a pathogen. Nature Communications, 2020, 11, 5299.	12.8	36
34	Structure-Function Analysis of Immune Receptor AtRLP23 with Its Ligand nlp20 and Coreceptors AtSOBIR1 and AtBAK1. Molecular Plant-Microbe Interactions, 2019, 32, 1038-1046.	2.6	34
35	The Arabidopsis thaliana LysMâ€containing Receptorâ€Like Kinase 2 is required for elicitorâ€induced resistance to pathogens. Plant, Cell and Environment, 2021, 44, 3775-3792.	5.7	22
36	Genotyping-by-sequencing-based identification of Arabidopsis pattern recognition receptor RLP32 recognizing proteobacterial translation initiation factor IF1. Nature Communications, 2022, 13, 1294.	12.8	20

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37	ABA-Dependent Salt Stress Tolerance Attenuates Botrytis Immunity in Arabidopsis. Frontiers in Plant Science, 2020, 11, 594827.	3.6	11
38	An oomycete NLP cytolysin forms transient small pores in lipid membranes. Science Advances, 2022, 8, eabj9406.	10.3	11
39	Nep1-like proteins as a target for plant pathogen control. PLoS Pathogens, 2021, 17, e1009477.	4.7	9
40	Cytotoxic activity of Nep1â€like proteins on monocots. New Phytologist, 2022, 235, 690-700.	7.3	9
41	A plant surface receptor for sensing insect herbivory. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32839-32841.	7.1	4