Frank L H Menke

List of Publications by Year
in descending order

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45 papers	5,517 citations	126907 33 h-index	233421 45 g-index
60 all docs	60 docs citations	60 times ranked	6511 citing authors

#	Article	IF	Citations
1	A conserved module regulates receptor kinase signalling in immunity and development. Nature Plants, 2022, 8, 356-365.	9.3	27
2	Host-interactor screens of Phytophthora infestans RXLR proteins reveal vesicle trafficking as a major effector-targeted process. Plant Cell, 2021, 33, 1447-1471.	6.6	46
3	Pathogen effector recognition-dependent association of NRG1 with EDS1 and SAG101 in TNL receptor immunity. Nature Communications, 2021, 12, 3335.	12.8	112
4	Plant pathogens convergently evolved to counteract redundant nodes of an NLR immune receptor network. PLoS Biology, 2021, 19, e3001136.	5.6	69
5	Activation loop phosphorylation of a non-RD receptor kinase initiates plant innate immune signaling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
6	Large-scale identification of ubiquitination sites on membrane-associated proteins in Arabidopsis thaliana seedlings. Plant Physiology, 2021, 185, 1483-1488.	4.8	29
7	Appressorium-mediated plant infection by Magnaporthe oryzae is regulated by a Pmk1-dependent hierarchical transcriptional network. Nature Microbiology, 2021, 6, 1383-1397.	13.3	44
8	The tomato receptor CuRe1 senses a cell wall protein to identify Cuscuta as a pathogen. Nature Communications, 2020, 11, 5299.	12.8	36
9	The calcium-permeable channel OSCA1.3 regulates plant stomatal immunity. Nature, 2020, 585, 569-573.	27.8	208
10	Phosphorylation-Regulated Activation of the Arabidopsis RRS1-R/RPS4 Immune Receptor Complex Reveals Two Distinct Effector Recognition Mechanisms. Cell Host and Microbe, 2020, 27, 769-781.e6.	11.0	50
11	N-terminal Î²-strand underpins biochemical specialization of an ATG8 isoform. PLoS Biology, 2019, 17, e3000373.	5.6	47
12	A sensor kinase controls turgor-driven plant infection by the rice blast fungus. Nature, 2019, 574, 423-427.	27.8	87
13	A Lotus japonicus cytoplasmic kinase connects Nod factor perception by the NFR5 LysM receptor to nodulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14339-14348.	7.1	28
14	Quantitative phosphoproteomic analysis reveals common regulatory mechanisms between effectorâ€• and PAMPâ€triggered immunity in plants. New Phytologist, 2019, 221, 2160-2175.	7.3	102
15	Anion channel SLAH3 is a regulatory target of chitin receptor-associated kinase PBL27 in microbial stomatal closure. ELife, 2019, 8, .	6.0	48
16	Phosphocode-dependent functional dichotomy of a common co-receptor in plant signalling. Nature, 2018, 561, 248-252.	27.8	126
17	Arabidopsis downy mildew effector HaRxL106 suppresses plant immunity by binding to RADICALâ€INDUCED CELL DEATH1. New Phytologist, 2018, 220, 232-248.	7.3	51
18	Regulation of pattern recognition receptor signalling by phosphorylation and ubiquitination. Current Opinion in Plant Biology, 2018, 45, 162-170.	7.1	43

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19	Receptor-Like Cytoplasmic Kinases Directly Link Diverse Pattern Recognition Receptors to the Activation of Mitogen-Activated Protein Kinase Cascades in Arabidopsis. Plant Cell, 2018, 30, 1543-1561.	6.6	219
20	Autophosphorylation-based Calcium (Ca2+) Sensitivity Priming and Ca2+/Calmodulin Inhibition of Arabidopsis thaliana Ca2+-dependent Protein Kinase 28 (CPK28). Journal of Biological Chemistry, 2017, 292, 3988-4002.	3.4	48
21	Proteinâ€“Protein Interaction Assays with Effectorâ€“GFP Fusions in Nicotiana benthamiana. Methods in Molecular Biology, 2017, 1659, 85-98.	0.9	8
22	The Arabidopsis Protein Phosphatase PP2C38 Negatively Regulates the Central Immune Kinase BIK1. PLoS Pathogens, 2016, 12, e1005811.	4.7	113
23	An effector of the Irish potato famine pathogen antagonizes a host autophagy cargo receptor. ELife, 2016, 5, .	6.0	189
24	Attenuation of pattern recognition receptor signaling is mediated by a <scp>MAP</scp> kinase kinase kinase. EMBO Reports, 2016, 17, 441-454.	4.5	50
25	Plants get on <scp>PAR</scp> with poly(<scp>ADP</scp> â€ribosyl)ation. EMBO Reports, 2016, 17, 1677-1678.	4.5	1
26	A Plant Immune Receptor Detects Pathogen Effectors that Target WRKY Transcription Factors. Cell, 2015, 161, 1089-1100.	28.9	454
27	Septin-Dependent Assembly of the Exocyst Is Essential for Plant Infection by Magnaporthe oryzae. Plant Cell, 2015, 27, 3277-3289.	6.6	79
28	Phosphopeptide Immuno-Affinity Enrichment to Enhance Detection of Tyrosine Phosphorylation in Plants. Methods in Molecular Biology, 2015, 1306, 135-146.	0.9	4
29	A Bacterial Tyrosine Phosphatase Inhibits Plant Pattern Recognition Receptor Activation. Science, 2014, 343, 1509-1512.	12.6	152
30	Direct Regulation of the NADPH Oxidase RBOHD by the PRR-Associated Kinase BIK1 during Plant Immunity. Molecular Cell, 2014, 54, 43-55.	9.7	744
31	Quantitative Phosphoproteomics after Auxin-stimulated Lateral Root Induction Identifies an SNX1 Protein Phosphorylation Site Required for Growth. Molecular and Cellular Proteomics, 2013, 12, 1158-1169.	3.8	95
32	Targeted Quantitative Phosphoproteomics Approach for the Detection of Phospho-tyrosine Signaling in Plants. Journal of Proteome Research, 2012, 11, 438-448.	3.7	44
33	Phosphoproteomics perspective on plant signal transduction and tyrosine phosphorylation. Phytochemistry, 2011, 72, 997-1006.	2.9	56
34	Plant Asymmetric Cell Division, Vive la DiffÃ©rence!. Cell, 2009, 137, 1189-1192.	28.9	18
35	Genomeâ€scale Arabidopsis promoter array identifies targets of the histone acetyltransferase GCN5. Plant Journal, 2008, 56, 493-504.	5.7	120
36	Quantitative Phosphoproteomics of Early Elicitor Signaling in Arabidopsis. Molecular and Cellular Proteomics, 2007, 6, 1198-1214.	3.8	614

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37	Membrane-associated transcripts in Arabidopsis; their isolation and characterization by DNA microarray analysis and bioinformatics. Plant Journal, 2006, 46, 708-721.	5.7	33
38	Tobacco Transcription Factor WRKY1 Is Phosphorylated by the MAP Kinase SIPK and Mediates HR-Like Cell Death in Tobacco. Molecular Plant-Microbe Interactions, 2005, 18, 1027-1034.	2.6	157
39	High humidity suppressesssi4-mediated cell death and disease resistance upstream of MAP kinase activation, H2O2production and defense gene expression. Plant Journal, 2004, 39, 920-932.	5.7	78
40	Silencing of the Mitogen-Activated Protein Kinase MPK6 Compromises Disease Resistance in Arabidopsis. Plant Cell, 2004, 16, 897-907.	6.6	211
41	A Catharanthus roseus BPF-1 homologue interacts with an elicitor-responsive region of the secondary metabolite biosynthetic gene Str and is induced by elicitor via a JA-independent signal transduction pathway. Plant Molecular Biology, 2000, 44, 675-685.	3.9	112
42	Involvement of the Octadecanoid Pathway and Protein Phosphorylation in Fungal Elicitor-Induced Expression of Terpenoid Indole Alkaloid Biosynthetic Genes in Catharanthus roseus. Plant Physiology, 1999, 119, 1289-1296.	4.8	218
43	The promoter of the strictosidine synthase gene from periwinkle confers elicitor-inducible expression in transgenic tobacco and binds nuclear factors GT-1 and GBF. Plant Molecular Biology, 1999, 39, 1299-1310.	3.9	59
44	A novel jasmonate- and elicitor-responsive element in the periwinkle secondary metabolite biosynthetic gene Str interacts with a jasmonate- and elicitor-inducible AP2-domain transcription factor, ORCA2. EMBO Journal, 1999, 18, 4455-4463.	7.8	406
45	Perception of a conserved family of plant signalling peptides by the receptor kinase HSL3. ELife, 0, 11, .	6.0	20