

# 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	Direct Regulation of the NADPH Oxidase RBOHD by the PRR-Associated Kinase BIK1 during Plant Immunity. <i>Molecular Cell</i> , 2014, 54, 43-55.	9.7	744
2	Quantitative Phosphoproteomics of Early Elicitor Signaling in Arabidopsis. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1198-1214.	3.8	614
3	A Plant Immune Receptor Detects Pathogen Effectors that Target WRKY Transcription Factors. <i>Cell</i> , 2015, 161, 1089-1100.	28.9	454
4	A novel jasmonate- and elicitor-responsive element in the periwinkle secondary metabolite biosynthetic gene <i>Str</i> interacts with a jasmonate- and elicitor-inducible AP2-domain transcription factor, ORCA2. <i>EMBO Journal</i> , 1999, 18, 4455-4463.	7.8	406
5	Receptor-Like Cytoplasmic Kinases Directly Link Diverse Pattern Recognition Receptors to the Activation of Mitogen-Activated Protein Kinase Cascades in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 1543-1561.	6.6	219
6	Involvement of the Octadecanoid Pathway and Protein Phosphorylation in Fungal Elicitor-Induced Expression of Terpenoid Indole Alkaloid Biosynthetic Genes in <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 1999, 119, 1289-1296.	4.8	218
7	Silencing of the Mitogen-Activated Protein Kinase MPK6 Compromises Disease Resistance in Arabidopsis. <i>Plant Cell</i> , 2004, 16, 897-907.	6.6	211
8	The calcium-permeable channel OSCA1.3 regulates plant stomatal immunity. <i>Nature</i> , 2020, 585, 569-573.	27.8	208
9	An effector of the Irish potato famine pathogen antagonizes a host autophagy cargo receptor. <i>ELife</i> , 2016, 5, .	6.0	189
10	Tobacco Transcription Factor WRKY1 Is Phosphorylated by the MAP Kinase SIPK and Mediates HR-Like Cell Death in Tobacco. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 1027-1034.	2.6	157
11	A Bacterial Tyrosine Phosphatase Inhibits Plant Pattern Recognition Receptor Activation. <i>Science</i> , 2014, 343, 1509-1512.	12.6	152
12	Phosphocode-dependent functional dichotomy of a common co-receptor in plant signalling. <i>Nature</i> , 2018, 561, 248-252.	27.8	126
13	Genome-scale Arabidopsis promoter array identifies targets of the histone acetyltransferase GCN5. <i>Plant Journal</i> , 2008, 56, 493-504.	5.7	120
14	The Arabidopsis Protein Phosphatase PP2C38 Negatively Regulates the Central Immune Kinase BIK1. <i>PLoS Pathogens</i> , 2016, 12, e1005811.	4.7	113
15	A <i>Catharanthus roseus</i> BPF-1 homologue interacts with an elicitor-responsive region of the secondary metabolite biosynthetic gene <i>Str</i> and is induced by elicitor via a JA-independent signal transduction pathway. <i>Plant Molecular Biology</i> , 2000, 44, 675-685.	3.9	112
16	Pathogen effector recognition-dependent association of NRG1 with EDS1 and SAG101 in TNL receptor immunity. <i>Nature Communications</i> , 2021, 12, 3335.	12.8	112
17	Quantitative phosphoproteomic analysis reveals common regulatory mechanisms between effector- and PAMP-triggered immunity in plants. <i>New Phytologist</i> , 2019, 221, 2160-2175.	7.3	102
18	Quantitative Phosphoproteomics after Auxin-stimulated Lateral Root Induction Identifies an SNX1 Protein Phosphorylation Site Required for Growth. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1158-1169.	3.8	95

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19	A sensor kinase controls turgor-driven plant infection by the rice blast fungus. <i>Nature</i> , 2019, 574, 423-427.	27.8	87
20	Septin-Dependent Assembly of the Exocyst Is Essential for Plant Infection by <i>Magnaporthe oryzae</i> . <i>Plant Cell</i> , 2015, 27, 3277-3289.	6.6	79
21	High humidity suppresses salicylic acid-mediated cell death and disease resistance upstream of MAP kinase activation, H <sub>2</sub> O <sub>2</sub> production and defense gene expression. <i>Plant Journal</i> , 2004, 39, 920-932.	5.7	78
22	Plant pathogens convergently evolved to counteract redundant nodes of an NLR immune receptor network. <i>PLoS Biology</i> , 2021, 19, e3001136.	5.6	69
23	The promoter of the strictosidine synthase gene from periwinkle confers elicitor-inducible expression in transgenic tobacco and binds nuclear factors GT-1 and GBF. <i>Plant Molecular Biology</i> , 1999, 39, 1299-1310.	3.9	59
24	Phosphoproteomics perspective on plant signal transduction and tyrosine phosphorylation. <i>Phytochemistry</i> , 2011, 72, 997-1006.	2.9	56
25	<i>Arabidopsis</i> downy mildew effector HaRxL106 suppresses plant immunity by binding to RADICAL-INDUCED CELL DEATH1. <i>New Phytologist</i> , 2018, 220, 232-248.	7.3	51
26	Attenuation of pattern recognition receptor signaling is mediated by a MAP kinase kinase. <i>EMBO Reports</i> , 2016, 17, 441-454.	4.5	50
27	Phosphorylation-Regulated Activation of the Arabidopsis RRS1-R/RPS4 Immune Receptor Complex Reveals Two Distinct Effector Recognition Mechanisms. <i>Cell Host and Microbe</i> , 2020, 27, 769-781.e6.	11.0	50
28	Autophosphorylation-based Calcium (Ca <sup>2+</sup> ) Sensitivity Priming and Ca <sup>2+</sup> /Calmodulin Inhibition of Arabidopsis thaliana Ca <sup>2+</sup> -dependent Protein Kinase 28 (CPK28). <i>Journal of Biological Chemistry</i> , 2017, 292, 3988-4002.	3.4	48
29	Anion channel SLAH3 is a regulatory target of chitin receptor-associated kinase PBL27 in microbial stomatal closure. <i>ELife</i> , 2019, 8, .	6.0	48
30	N-terminal $\beta$ -strand underpins biochemical specialization of an ATG8 isoform. <i>PLoS Biology</i> , 2019, 17, e3000373.	5.6	47
31	Host-interactor screens of <i>Phytophthora infestans</i> RXLR proteins reveal vesicle trafficking as a major effector-targeted process. <i>Plant Cell</i> , 2021, 33, 1447-1471.	6.6	46
32	Targeted Quantitative Phosphoproteomics Approach for the Detection of Phospho-tyrosine Signaling in Plants. <i>Journal of Proteome Research</i> , 2012, 11, 438-448.	3.7	44
33	Appressorium-mediated plant infection by <i>Magnaporthe oryzae</i> is regulated by a Pmk1-dependent hierarchical transcriptional network. <i>Nature Microbiology</i> , 2021, 6, 1383-1397.	13.3	44
34	Regulation of pattern recognition receptor signalling by phosphorylation and ubiquitination. <i>Current Opinion in Plant Biology</i> , 2018, 45, 162-170.	7.1	43
35	The tomato receptor CuRe1 senses a cell wall protein to identify <i>Cuscuta</i> as a pathogen. <i>Nature Communications</i> , 2020, 11, 5299.	12.8	36
36	Membrane-associated transcripts in Arabidopsis; their isolation and characterization by DNA microarray analysis and bioinformatics. <i>Plant Journal</i> , 2006, 46, 708-721.	5.7	33

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37	Large-scale identification of ubiquitination sites on membrane-associated proteins in <i>Arabidopsis thaliana</i> seedlings. <i>Plant Physiology</i> , 2021, 185, 1483-1488.	4.8	29
38	A <i>Lotus japonicus</i> cytoplasmic kinase connects Nod factor perception by the NFR5 LysM receptor to nodulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14339-14348.	7.1	28
39	A conserved module regulates receptor kinase signalling in immunity and development. <i>Nature Plants</i> , 2022, 8, 356-365.	9.3	27
40	Perception of a conserved family of plant signalling peptides by the receptor kinase HSL3. <i>ELife</i> , 0, 11, .	6.0	20
41	Plant Asymmetric Cell Division, Vive la Différence!. <i>Cell</i> , 2009, 137, 1189-1192.	28.9	18
42	Activation loop phosphorylation of a non-RD receptor kinase initiates plant innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
43	Protein-Protein Interaction Assays with Effector-GFP Fusions in <i>Nicotiana benthamiana</i> . <i>Methods in Molecular Biology</i> , 2017, 1659, 85-98.	0.9	8
44	Phosphopeptide Immuno-Affinity Enrichment to Enhance Detection of Tyrosine Phosphorylation in Plants. <i>Methods in Molecular Biology</i> , 2015, 1306, 135-146.	0.9	4
45	Plants get on PAR with poly(ADP-ribose)ation. <i>EMBO Reports</i> , 2016, 17, 1677-1678.	4.5	1