Stefanie Ranf

List of Publications by Year
in descending order

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26	2,381	471509	552781
papers	citations	17 h-index	26 g-index

29	29	29	3102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interplay between calcium signalling and early signalling elements during defence responses to microbeâ€•or damageâ€•associated molecular patterns. Plant Journal, 2011, 68, 100-113.	5.7	339
2	A lectin S-domain receptor kinase mediates lipopolysaccharide sensing in Arabidopsis thaliana. Nature Immunology, 2015, 16, 426-433.	14.5	286
3	Bacteria-derived Peptidoglycans Constitute Pathogen-associated Molecular Patterns Triggering Innate Immunity in Arabidopsis. Journal of Biological Chemistry, 2007, 282, 32338-32348.	3.4	270
4	Tomato MAPKs LeMPK1, LeMPK2, and LeMPK3 function in the systemin-mediated defense response against herbivorous insects. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12205-12210.	7.1	248
5	Loss of the vacuolar cation channel, AtTPC1, does not impair Ca²⁺ signals induced by abiotic and biotic stresses. Plant Journal, 2008, 53, 287-299.	5.7	164
6	A cell wall extract from the endophytic fungus Piriformospora indica promotes growth of Arabidopsis seedlings and induces intracellular calcium elevation in roots. Plant Journal, 2009, 59, 193-206.	5.7	155
7	Ca²⁺ signalling in plant immune response: from pattern recognition receptors to Ca²⁺ decoding mechanisms. New Phytologist, 2014, 204, 782-790.	7.3	148
8	Bacterial medium-chain 3-hydroxy fatty acid metabolites trigger immunity in Arabidopsis plants. Science, 2019, 364, 178-181.	12.6	145
9	Sensing of molecular patterns through cell surface immune receptors. Current Opinion in Plant Biology, 2017, 38, 68-77.	7.1	105
10	Microbe-associated molecular pattern-induced calcium signaling requires the receptor-like cytoplasmic kinases, PBL1 and BIK1. BMC Plant Biology, 2014, 14, 374.	3.6	100
11	Defense-Related Calcium Signaling Mutants Uncovered via a Quantitative High-Throughput Screen in Arabidopsis thaliana. Molecular Plant, 2012, 5, 115-130.	8.3	69
12	Immune Sensing of Lipopolysaccharide in Plants and Animals: Same but Different. PLoS Pathogens, 2016, 12, e1005596.	4.7	69
13	Barley disease susceptibility factor RACB acts in epidermal cell polarity and positioning of the nucleus. Journal of Experimental Botany, 2016, 67, 3263-3275.	4.8	47
14	The cell wall-localized atypical Î²-1,3 glucanase ZERZAUST controls tissue morphogenesis in Arabidopsis thaliana. Development (Cambridge), 2017, 144, 2259-2269.	2.5	39
15	The Arabidopsis leucineâ€•rich repeat receptorâ€•like kinase MIK2 is a crucial component of early immune responses to a fungalâ€•derived elicitor. New Phytologist, 2021, 229, 3453-3466.	7.3	38
16	The multifaceted functions of lipopolysaccharide in plant-bacteria interactions. Biochimie, 2019, 159, 93-98.	2.6	35
17	Pattern Recognition Receptorsâ€”Versatile Genetic Tools for Engineering Broad-Spectrum Disease Resistance in Crops. Agronomy, 2018, 8, 134.	3.0	26
18	Bacterial rhamnolipids and their 3-hydroxyalkanoate precursors activate Arabidopsis innate immunity through two independent mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25

#	Article	IF	Citations
19	Altered glycosylation of exported proteins, including surface immune receptors, compromises calcium and downstream signaling responses to microbe-associated molecular patterns in Arabidopsis thaliana. BMC Plant Biology, 2016, 16, 31.	3.6	16
20	Challenges in the identification of microbeâ€associated molecular patterns in plant and animal innate immunity: a case study with bacterial lipopolysaccharide. Molecular Plant Pathology, 2016, 17, 1165-1169.	4.2	14
21	Loss of wbpL disrupts Oâ€polysaccharide synthesis and impairs virulence of plantâ€associated Pseudomonas strains. Molecular Plant Pathology, 2019, 20, 1535-1549.	4.2	12
22	Nucleoprotein Structure of Immediate-Early Promoters Zp and Rp and of oriLyt of Latent Epstein-Barr Virus Genomes. Journal of Virology, 2002, 76, 4113-4118.	3.4	11
23	A mutation in Asparagineâ€Linked Glycosylation 12 (ALG12) leads to receptor misglycosylation and attenuated responses to multiple microbial elicitors. FEBS Letters, 2020, 594, 2440-2451.	2.8	4
24	Analysis of the Structure and Biosynthesis of the Lipopolysaccharide Core Oligosaccharide of Pseudomonas syringae pv. tomato DC3000. International Journal of Molecular Sciences, 2021, 22, 3250.	4.1	4
25	Remodeling of Lipid A in Pseudomonas syringae pv. phaseolicola In Vitro. International Journal of Molecular Sciences, 2022, 23, 1996.	4.1	4
26	Quantitative Analysis of Microbe-Associated Molecular Pattern (MAMP)-Induced Ca2+ Transients in Plants. Methods in Molecular Biology, 2016, 1398, 331-344.	0.9	3