Tina Romeis

List of Publications by Year in descending order

30 papers	3,951 citations	257450 24 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	4630 citing authors

#	Article	IF	Citations
1	An epiphany for plant resistance proteins and its impact on calciumâ€based immune signalling. New Phytologist, 2022, 234, 769-772.	7.3	4
2	Whatâ€™s new in protein kinase/phosphatase signalling in the control of plant immunity?. Essays in Biochemistry, 2022, 66, 621-634.	4.7	13
3	Improving plant drought tolerance and growth under water limitation through combinatorial engineering of signalling networks. Plant Biotechnology Journal, 2021, 19, 74-86.	8.3	31
4	An optimized genetically encoded dual reporter for simultaneous ratio imaging of Ca²⁺ and H⁺ reveals new insights into ion signaling in plants. New Phytologist, 2021, 230, 2292-2310.	7.3	42
5	Plant Immune Memory in Systemic Tissue Does Not Involve Changes in Rapid Calcium Signaling. Frontiers in Plant Science, 2021, 12, 798230.	3.6	9
6	Calciumâ€dependent protein kinase 5 links calcium signaling with Nâ€hydroxyâ€<scp>l</scp>â€pipecolic acidâ€•and <scp>SARD</scp>1â€dependent immune memory in systemic acquired resistance. New Phytologist, 2020, 225, 310-325.	7.3	46
7	Sp(l)icing up PepR signalling. Nature Plants, 2020, 6, 912-913.	9.3	2
8	N-hydroxypipecolic acid: a general and conserved activator of systemic plant immunity. Journal of Experimental Botany, 2020, 71, 6193-6196.	4.8	3
9	The Arabidopsis exocyst subunits EXO70B1 and EXO70B2 regulate FLS2 homeostasis at the plasma membrane. New Phytologist, 2020, 227, 529-544.	7.3	59
10	Calcium-Dependent Protein Kinase CPK1 Controls Cell Death by In Vivo Phosphorylation of Senescence Master Regulator ORE1. Plant Cell, 2020, 32, 1610-1625.	6.6	33
11	Protein kinaseâ€mediated signalling in priming: Immune signal initiation, propagation, and establishment of longâ€term pathogen resistance in plants. Plant, Cell and Environment, 2019, 42, 904-917.	5.7	34
12	Tipâ€localized Ca²⁺â€permeable channels control pollen tube growth via kinaseâ€dependent Râ€• and Sâ€type anion channel regulation. New Phytologist, 2018, 218, 1089-1105.	7.3	52
13	Advances and current challenges in calcium signaling. New Phytologist, 2018, 218, 414-431.	7.3	423
14	CDPK Activation in PRR Signaling. Methods in Molecular Biology, 2017, 1578, 173-183.	0.9	6
15	CALCIUM-DEPENDENT PROTEIN KINASE5 Associates with the Truncated NLR Protein TIR-NBS2 to Contribute to exo70B1-Mediated Immunity. Plant Cell, 2017, 29, 746-759.	6.6	87
16	Priming and memory of stress responses in organisms lacking a nervous system. Biological Reviews, 2016, 91, 1118-1133.	10.4	388
17	The Calcium-Dependent Protein Kinase CPK28 Regulates Development by Inducing Growth Phase-Specific, Spatially Restricted Alterations in Jasmonic Acid Levels Independent of Defense Responses in Arabidopsis. Plant Cell, 2015, 27, 591-606.	6.6	76
18	The calcium-dependent protein kinase CPK28 negatively regulates the BIK1-mediated PAMP-induced calcium burst. Plant Signaling and Behavior, 2015, 10, e1018497.	2.4	73

#	Article	IF	Citations
19	From local to global: CDPKs in systemic defense signaling upon microbial and herbivore attack. Current Opinion in Plant Biology, 2014, 20, 1-10.	7.1	110
20	The Calcium-Dependent Protein Kinase CPK28 Buffers Plant Immunity and Regulates BIK1 Turnover. Cell Host and Microbe, 2014, 16, 605-615.	11.0	208
21	Ca²⁺ signalling in plant immune response: from pattern recognition receptors to Ca²⁺ decoding mechanisms. New Phytologist, 2014, 204, 782-790.	7.3	148
22	Pollen Tube Growth Regulation by Free Anions Depends on the Interaction between the Anion Channel SLAH3 and Calcium-Dependent Protein Kinases CPK2 and CPK20. Plant Cell, 2013, 25, 4525-4543.	6.6	129
23	Calcium-dependent protein kinase/NADPH oxidase activation circuit is required for rapid defense signal propagation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8744-8749.	7.1	585
24	Biochemical regulation of in vivo function of plant calcium-dependent protein kinases (CDPK). Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1582-1589.	4.1	146
25	Calcium-Dependent Protein Kinases: Hubs in Plant Stress Signaling and Development. Plant Physiology, 2013, 163, 523-530.	4.8	341
26	Stomatal Closure by Fast Abscisic Acid Signaling Is Mediated by the Guard Cell Anion Channel SLAH3 and the Receptor RCAR1. Science Signaling, 2011, 4, ra32.	3.6	338
27	Tobacco Calcium-dependent Protein Kinases Are Differentially Phosphorylated in Vivo as Part of a Kinase Cascade That Regulates Stress Response. Journal of Biological Chemistry, 2010, 285, 9740-9748.	3.4	81
28	Rapid one-step protein purification from plant material using the eight-amino acid StrepII epitope. Plant Molecular Biology, 2004, 55, 135-147.	3.9	178
29	Stable isotope labeling of phosphopeptides for multiparallel kinase target analysis and identification of phosphorylation sites. Rapid Communications in Mass Spectrometry, 2003, 17, 1579-1584.	1.5	45
30	Resistance Gene-Dependent Activation of a Calcium-Dependent Protein Kinase in the Plant Defense Response. Plant Cell, 2000, 12, 803-815.	6.6	253