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	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
2	Advances and current challenges in calcium signaling. New Phytologist, 2018, 218, 414-431.	7.3	423
3	Priming and memory of stress responses in organisms lacking a nervous system. Biological Reviews, 2016, 91, 1118-1133.	10.4	388
4	Calcium-Dependent Protein Kinases: Hubs in Plant Stress Signaling and Development. Plant Physiology, 2013, 163, 523-530.	4.8	341
5	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
6	Resistance Gene-Dependent Activation of a Calcium-Dependent Protein Kinase in the Plant Defense Response. Plant Cell, 2000, 12, 803-815.	6.6	253
7	The Calcium-Dependent Protein Kinase CPK28 Buffers Plant Immunity and Regulates BIK1 Turnover. Cell Host and Microbe, 2014, 16, 605-615.	11.0	208
8	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
9	Ca²⁺ signalling in plant immune response: from pattern recognition receptors to Ca²⁺ decoding mechanisms. New Phytologist, 2014, 204, 782-790.	7.3	148
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	The Arabidopsis exocyst subunits EXO70B1 and EXO70B2 regulate FLS2 homeostasis at the plasma membrane. New Phytologist, 2020, 227, 529-544.	7.3	59
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	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
25	Whatâ€™s new in protein kinase/phosphatase signalling in the control of plant immunity?. Essays in Biochemistry, 2022, 66, 621-634.	4.7	13
26	Plant Immune Memory in Systemic Tissue Does Not Involve Changes in Rapid Calcium Signaling. Frontiers in Plant Science, 2021, 12, 798230.	3.6	9
27	CDPK Activation in PRR Signaling. Methods in Molecular Biology, 2017, 1578, 173-183.	0.9	6
28	An epiphany for plant resistance proteins and its impact on calciumâ€based immune signalling. New Phytologist, 2022, 234, 769-772.	7.3	4
29	N-hydroxypipecolic acid: a general and conserved activator of systemic plant immunity. Journal of Experimental Botany, 2020, 71, 6193-6196.	4.8	3
30	Sp(l)icing up PepR signalling. Nature Plants, 2020, 6, 912-913.	9.3	2