

Philipp Käster

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,258
citations

623734

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996975

15
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16
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16
docs citations

16
times ranked

1606
citing authors

#	ARTICLE	IF	CITATIONS
1	The calcium-permeable channel OSCA1.3 regulates plant stomatal immunity. <i>Nature</i> , 2020, 585, 569-573.	27.8	208
2	Calcium signaling during salt stress and in the regulation of ion homeostasis. <i>Journal of Experimental Botany</i> , 2018, 69, 4215-4226.	4.8	191
3	Fine-tuning of RBOHF activity is achieved by differential phosphorylation and Ca ²⁺ binding. <i>New Phytologist</i> , 2019, 221, 1935-1949.	7.3	111
4	CIPK11-Dependent Phosphorylation Modulates FIT Activity to Promote Arabidopsis Iron Acquisition in Response to Calcium Signaling. <i>Developmental Cell</i> , 2019, 48, 726-740.e10.	7.0	89
5	SCHENGEN receptor module drives localized ROS production and lignification in plant roots. <i>EMBO Journal</i> , 2020, 39, e103894.	7.8	82
6	Ca ²⁺ signals in plant immunity. <i>EMBO Journal</i> , 2022, 41, e110741.	7.8	82
7	Wounding-Induced Stomatal Closure Requires Jasmonate-Mediated Activation of GORK K ⁺ Channels by a Ca ²⁺ Sensor-Kinase CBL1-CIPK5 Complex. <i>Developmental Cell</i> , 2019, 48, 87-99.e6.	7.0	74
8	Ca ²⁺ -dependent phosphoregulation of the plasma membrane Ca ²⁺ -ATPase ACA8 modulates stimulus-induced calcium signatures. <i>Journal of Experimental Botany</i> , 2017, 68, 3215-3230.	4.8	72
9	A New $\hat{\rho}$ -Estradiol-Inducible Vector Set that Facilitates Easy Construction and Efficient Expression of Transgenes Reveals CBL3-Dependent Cytoplasm to Tonoplast Translocation of CIPK5. <i>Molecular Plant</i> , 2013, 6, 1814-1829.	8.3	66
10	The battle of two ions: Ca ²⁺ signalling against Na ⁺ stress. <i>Plant Biology</i> , 2019, 21, 39-48.	3.8	66
11	A membrane-bound ankyrin repeat protein confers race-specific leaf rust disease resistance in wheat. <i>Nature Communications</i> , 2021, 12, 956.	12.8	63
12	N-myristoylation and S-acylation are common modifications of Ca ²⁺ -regulated Arabidopsis kinases and are required for activation of the SLAC1 anion channel. <i>New Phytologist</i> , 2018, 218, 1504-1521.	7.3	59
13	Dual-Reporting Transcriptionally Linked Genetically Encoded Fluorescent Indicators Resolve the Spatiotemporal Coordination of Cytosolic Abscisic Acid and Second Messenger Dynamics in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 2582-2601.	6.6	57
14	CBL1-CIPK26-mediated phosphorylation enhances activity of the NADPH oxidase RBOHC, but is dispensable for root hair growth. <i>FEBS Letters</i> , 2018, 592, 2582-2593.	2.8	30