Philipp KÃ¶ster

List of Publications by Year
in descending order

14	1,258	623734 14	996975 15
papers	citations	h-index	g-index

16	16	16	1606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ca ²⁺ signals in plant immunity. EMBO Journal, 2022, 41, e110741.	7.8	82
2	A membrane-bound ankyrin repeat protein confers race-specific leaf rust disease resistance in wheat. Nature Communications, 2021, 12, 956.	12.8	63
3	The calcium-permeable channel OSCA1.3 regulates plant stomatal immunity. Nature, 2020, 585, 569-573.	27.8	208
4	Dual-Reporting Transcriptionally Linked Genetically Encoded Fluorescent Indicators Resolve the Spatiotemporal Coordination of Cytosolic Abscisic Acid and Second Messenger Dynamics in Arabidopsis. Plant Cell, 2020, 32, 2582-2601.	6.6	57
5	<scp>SCHENGEN</scp> receptor module drives localized <scp>ROS</scp> production and lignification in plant roots. EMBO Journal, 2020, 39, e103894.	7.8	82
6	CIPK11-Dependent Phosphorylation Modulates FIT Activity to Promote Arabidopsis Iron Acquisition in Response to Calcium Signaling. Developmental Cell, 2019, 48, 726-740.e10.	7.0	89
7	Fineâ€tuning of <scp>RBOHF</scp> activity is achieved by differential phosphorylation and Ca²⁺ binding. New Phytologist, 2019, 221, 1935-1949.	7.3	111
8	Wounding-Induced Stomatal Closure Requires Jasmonate-Mediated Activation of GORK K+ Channels by a Ca2+ Sensor-Kinase CBL1-CIPK5 Complex. Developmental Cell, 2019, 48, 87-99.e6.	7.0	74
9	The battle of two ions: Ca²⁺ signalling against Na⁺ stress. Plant Biology, 2019, 21, 39-48.	3.8	66
10	Nâ€myristoylation and Sâ€acylation are common modifications ofÂCa²⁺â€regulated Arabidopsis kinases and are required for activation of the SLAC1 anion channel. New Phytologist, 2018, 218, 1504-1521.	7.3	59
11	Calcium signaling during salt stress and in the regulation of ion homeostasis. Journal of Experimental Botany, 2018, 69, 4215-4226.	4.8	191
12	CBL1â€CIPK26â€mediated phosphorylation enhances activity of the NADPH oxidase RBOHC, but is dispensable for root hair growth. FEBS Letters, 2018, 592, 2582-2593.	2.8	30
13	Ca2+-dependent phosphoregulation of the plasma membrane Ca2+-ATPase ACA8 modulates stimulus-induced calcium signatures. Journal of Experimental Botany, 2017, 68, 3215-3230.	4.8	72
14	A New Î²-Estradiol-Inducible Vector Set that Facilitates Easy Construction and Efficient Expression of Transgenes Reveals CBL3-Dependent Cytoplasm to Tonoplast Translocation of CIPK5. Molecular Plant, 2013, 6, 1814-1829.	8.3	66