

Maik BÄhmer

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,279
citations

566801

15
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

3672
citing authors

#	ARTICLE	IF	CITATIONS
1	Guard Cell Signal Transduction Network: Advances in Understanding Abscisic Acid, CO ₂ , and Ca ²⁺ Signaling. <i>Annual Review of Plant Biology</i> , 2010, 61, 561-591.	8.6	1,165
2	Carbonic anhydrases are upstream regulators of CO ₂ -controlled stomatal movements in guard cells. <i>Nature Cell Biology</i> , 2010, 12, 87-93.	4.6	364
3	Chemical Genetics Reveals Negative Regulation of Abscisic Acid Signaling by a Plant Immune Response Pathway. <i>Current Biology</i> , 2011, 21, 990-997.	1.8	152
4	Guarding the Green: Pathways to Stomatal Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 626-632.	1.4	103
5	Quantitative transcriptomic analysis of abscisic acid-induced and reactive oxygen species-dependent expression changes and proteomic profiling in <i>Arabidopsis</i> suspension cells. <i>Plant Journal</i> , 2011, 67, 105-118.	2.8	83
6	Distinct Cellular Locations of Carbonic Anhydrases Mediate Carbon Dioxide Control of Stomatal Movements. <i>Plant Physiology</i> , 2015, 169, 1168-1178.	2.3	78
7	Proteomic analysis of dimorphic transition in the phytopathogenic fungus <i>Ustilago maydis</i> . <i>Proteomics</i> , 2007, 7, 675-685.	1.3	54
8	Screening for in planta protein-protein interactions combining bimolecular fluorescence complementation with flow cytometry. <i>Plant Methods</i> , 2012, 8, 25.	1.9	50
9	Cdc42 and the Ste20-like kinase Don3 act independently in triggering cytokinesis in <i>Ustilago maydis</i> . <i>Journal of Cell Science</i> , 2008, 121, 143-148.	1.2	42
10	A chemical-genetic approach to elucidate protein kinase function in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2007, 65, 817-827.	2.0	31
11	Editorial: Abiotic Stress Signaling in Plants: Functional Genomic Intervention. <i>Frontiers in Plant Science</i> , 2016, 7, 681.	1.7	25
12	Microgravity research in plants. <i>EMBO Reports</i> , 2019, 20, e48541.	2.0	22
13	Dynamic subnuclear relocalisation of WRKY40 in response to Abscisic acid in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2015, 5, 13369.	1.6	21
14	WRKY43 regulates polyunsaturated fatty acid content and seed germination under unfavourable growth conditions. <i>Scientific Reports</i> , 2017, 7, 14235.	1.6	21
15	Gravitational Biology I. <i>SpringerBriefs in Space Life Sciences</i> , 2018, , .	0.1	20
16	Dynamic subnuclear relocalization of WRKY40, a potential new mechanism of ABA-dependent transcription factor regulation. <i>Plant Signaling and Behavior</i> , 2015, 10, e1106659.	1.2	16
17	Structural and Functional Heat Stress Responses of Chloroplasts of <i>Arabidopsis thaliana</i> . <i>Genes</i> , 2020, 11, 650.	1.0	14
18	ARADISH - Development of a Standardized Plant Growth Chamber for Experiments in Gravitational Biology Using Ground Based Facilities. <i>Microgravity Science and Technology</i> , 2016, 28, 297-305.	0.7	5

#	ARTICLE	IF	CITATIONS
19	ARABIDOMICS – A new experimental platform for molecular analyses of plants in drop towers, on parabolic flights, and sounding rockets. Review of Scientific Instruments, 2020, 91, 034504.	0.6	5
20	Chemical Genetic Analysis of Protein Kinase Function in Plants. Methods in Molecular Biology, 2011, 779, 259-271.	0.4	2
21	Retrograde Analysis of Calcium Signaling by CaMPARI2 Shows Cytosolic Calcium in Chondrocytes Is Unaffected by Parabolic Flights. Biomedicines, 2022, 10, 138.	1.4	2
22	Investigation of Plant Abiotic Stress Tolerance by Proteomics and Phosphoproteomics. , 2015, , 75-92.		0