

Maik BÄhmer

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,279
citations

567281

15
h-index

677142

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. Annual Review of Plant Biology, 2010, 61, 561-591.	18.7	1,165
2	Carbonic anhydrases are upstream regulators of CO ₂ -controlled stomatal movements in guard cells. Nature Cell Biology, 2010, 12, 87-93.	10.3	364
3	Chemical Genetics Reveals Negative Regulation of Abscisic Acid Signaling by a Plant Immune Response Pathway. Current Biology, 2011, 21, 990-997.	3.9	152
4	Guarding the Green: Pathways to Stomatal Immunity. Molecular Plant-Microbe Interactions, 2013, 26, 626-632.	2.6	103
5	Quantitative transcriptomic analysis of abscisic acid-induced and reactive oxygen species-dependent expression changes and proteomic profiling in Arabidopsis suspension cells. Plant Journal, 2011, 67, 105-118.	5.7	83
6	Distinct Cellular Locations of Carbonic Anhydrases Mediate Carbon Dioxide Control of Stomatal Movements. Plant Physiology, 2015, 169, 1168-1178.	4.8	78
7	Proteomic analysis of dimorphic transition in the phytopathogenic fungus Ustilago maydis. Proteomics, 2007, 7, 675-685.	2.2	54
8	Screening for in planta protein-protein interactions combining bimolecular fluorescence complementation with flow cytometry. Plant Methods, 2012, 8, 25.	4.3	50
9	Cdc42 and the Ste20-like kinase Don3 act independently in triggering cytokinesis in Ustilago maydis. Journal of Cell Science, 2008, 121, 143-148.	2.0	42
10	A chemical-genetic approach to elucidate protein kinase function in plants. Plant Molecular Biology, 2007, 65, 817-827.	3.9	31
11	Editorial: Abiotic Stress Signaling in Plants: Functional Genomic Intervention. Frontiers in Plant Science, 2016, 7, 681.	3.6	25
12	Microgravity research in plants. EMBO Reports, 2019, 20, e48541.	4.5	22
13	Dynamic subnuclear relocalisation of WRKY40 in response to Abscisic acid in Arabidopsis thaliana. Scientific Reports, 2015, 5, 13369.	3.3	21
14	WRKY43 regulates polyunsaturated fatty acid content and seed germination under unfavourable growth conditions. Scientific Reports, 2017, 7, 14235.	3.3	21
15	Gravitational Biology I. SpringerBriefs in Space Life Sciences, 2018, , .	0.1	20
16	Dynamic subnuclear relocalization of WRKY40, a potential new mechanism of ABA-dependent transcription factor regulation. Plant Signaling and Behavior, 2015, 10, e1106659.	2.4	16
17	Structural and Functional Heat Stress Responses of Chloroplasts of Arabidopsis thaliana. Genes, 2020, 11, 650.	2.4	14
18	ARADISH - Development of a Standardized Plant Growth Chamber for Experiments in Gravitational Biology Using Ground Based Facilities. Microgravity Science and Technology, 2016, 28, 297-305.	1.4	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.	1.3	5
20	Chemical Genetic Analysis of Protein Kinase Function in Plants. Methods in Molecular Biology, 2011, 779, 259-271.	0.9	2
21	Retrograde Analysis of Calcium Signaling by CaMPARI2 Shows Cytosolic Calcium in Chondrocytes Is Unaffected by Parabolic Flights. Biomedicines, 2022, 10, 138.	3.2	2
22	Investigation of Plant Abiotic Stress Tolerance by Proteomics and Phosphoproteomics. , 2015, , 75-92.		0