Wolfgang Moeder

List of Publications by Year
in descending order

50	3,758	182225 30	232693 48
papers	citations	h-index	g-index

52	52	52	4508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arabidopsis thaliana CYCLIC NUCLEOTIDEâ€GATED CHANNEL2 mediates extracellular ATP signal transduction in root epidermis. New Phytologist, 2022, 234, 412-421.	3.5	17
2	A tale of many families: calcium channels in plant immunity. Plant Cell, 2022, 34, 1551-1567.	3.1	45
3	Auxin analog-induced Ca2+ signaling is independent of inhibition of endosomal aggregation in Arabidopsis roots. Journal of Experimental Botany, 2022, , .	2.4	4
4	CYCLIC NUCLEOTIDE-GATED ION CHANNEL 2 modulates auxin homeostasis and signaling. Plant Physiology, 2021, 187, 1690-1703.	2.3	18
5	Multiple phosphorylation events of the mitochondrial membrane protein TTM1 regulate cell death during senescence. Plant Journal, 2021, 108, 766-780.	2.8	5
6	Plant Cyclic Nucleotide-Gated Channels: New Insights on Their Functions and Regulation. Plant Physiology, 2020, 184, 27-38.	2.3	55
7	Calcium channel in plants helps shut the door on intruders. Nature, 2020, 585, 507-508.	13.7	9
8	The Receptor Kinases BAK1/SERK4 Regulate Ca2+ Channel-Mediated Cellular Homeostasis for Cell Death Containment. Current Biology, 2019, 29, 3778-3790.e8.	1.8	86
9	A hostâ€“pathogen interactome uncovers phytopathogenic strategies to manipulate plant <scp>ABA</scp> responses. Plant Journal, 2019, 100, 187-198.	2.8	34
10	Ca2+ to the rescue â€“ Ca2+channels and signaling in plant immunity. Plant Science, 2019, 279, 19-26.	1.7	62
11	Arabidopsis ETHYLENE RESPONSE FACTOR 8 (ERF8) has dual functions in ABA signaling and immunity. BMC Plant Biology, 2018, 18, 211.	1.6	52
12	Calmodulin as a Ca2+-Sensing Subunit of Arabidopsis Cyclic Nucleotide-Gated Channel Complexes. Plant and Cell Physiology, 2017, 58, 1208-1221.	1.5	58
13	Using GCaMP3 to Study Ca2+ Signaling in Nicotiana Species. Plant and Cell Physiology, 2017, 58, 1173-1184.	1.5	32
14	Triphosphate Tunnel Metalloenzyme Function in Senescence Highlights a Biological Diversification of This Protein Superfamily. Plant Physiology, 2017, 175, 473-485.	2.3	19
15	Microbial diversity in leaves, trunk and rhizosphere of coconut palms (Cocos nucifera L.) associated with the coconut lethal yellowing phytoplasma in Grand-Lahou, Cte dIvoire. African Journal of Biotechnology, 2017, 16, 1534-1550.	0.3	6
16	Plant Immunity. , 2017, , .		2
17	CNGCs break throughâ€”A rice cyclic nucleotide-gated channel paves the way for pollen tube growth. PLoS Genetics, 2017, 13, e1007066.	1.5	6
18	Opening the Gates: Insights into Cyclic Nucleotide-Gated Channel-Mediated Signaling. Trends in Plant Science, 2016, 21, 903-906.	4.3	86

#	Article	IF	Citations
19	Multiple Calmodulin-binding Sites Positively and Negatively Regulate Arabidopsis CYCLIC NUCLEOTIDE-GATED CHANNEL12. Plant Cell, 2016, 28, tpc.00870.2015.	3.1	81
20	Crossroads of stress responses, development and flowering regulationâ€"the multiple roles of Cyclic Nucleotide Gated Ion Channel 2. Plant Signaling and Behavior, 2015, 10, e989758.	1.2	20
21	Arabidopsis Triphosphate Tunnel Metalloenzyme2 Is a Negative Regulator of the Salicylic Acid-Mediated Feedback Amplification Loop for Defense Responses Â Â. Plant Physiology, 2014, 166, 1009-1021.	2.3	21
22	The Arabidopsis Cyclic Nucleotide-Gated Ion Channels AtCNGC2 and AtCNGC4 Work in the Same Signaling Pathway to Regulate Pathogen Defense and Floral Transition Â Â Â. Plant Physiology, 2013, 163, 611-624.	2.3	114
23	A Suppressor Screen of the Chimeric AtCNGC11/12 Reveals Residues Important for Intersubunit Interactions of Cyclic Nucleotide-Gated Ion Channels Â Â Â. Plant Physiology, 2013, 162, 1681-1693.	2.3	15
24	Crystal structure and biochemical analyses reveal that the <scp>A</scp>rabidopsis triphosphate tunnel metalloenzyme <scp>A</scp>t<scp>TTM</scp>3 is a tripolyphosphatase involved in root development. Plant Journal, 2013, 76, 615-626.	2.8	33
25	Forward Genetic Screening for the Improved Production of Fermentable Sugars from Plant Biomass. PLoS ONE, 2013, 8, e55616.	1.1	7
26	The cyclic nucleotide-gated channels AtCNGC11 and 12 are involved in multiple Ca2+-dependent physiological responses and act in a synergistic manner. Journal of Experimental Botany, 2011, 62, 3671-3682.	2.4	40
27	The Role of Cyclic Nucleotide-Gated Ion Channels in Plant Immunity. Molecular Plant, 2011, 4, 442-452.	3.9	125
28	High throughput chemical screening supports the involvement of Ca²⁺in cyclic nucleotide-gated ion channel-mediated programmed cell death in Arabidopsis. Plant Signaling and Behavior, 2011, 6, 1817-1819.	1.2	16
29	Altered Germination and Subcellular Localization Patterns for PUB44/SAUL1 in Response to Stress and Phytohormone Treatments. PLoS ONE, 2011, 6, e21321.	1.1	43
30	Importance of the Î±C-helix in the cyclic nucleotide binding domain for the stable channel regulation and function of cyclic nucleotide gated ion channels in Arabidopsis. Journal of Experimental Botany, 2010, 61, 2383-2393.	2.4	28
31	Calmodulin binding to Arabidopsis cyclic nucleotide gated ion channels. Plant Signaling and Behavior, 2010, 5, 1147-1149.	1.2	8
32	The Lesion-Mimic Mutant cpr22 Shows Alterations in Abscisic Acid Signaling and Abscisic Acid Insensitivity in a Salicylic Acid-Dependent Manner. Plant Physiology, 2010, 152, 1901-1913.	2.3	117
33	SA-ABA antagonism in defense responses. Plant Signaling and Behavior, 2010, 5, 1231-1233.	1.2	55
34	Leaf Senescence Signaling: The Ca2+-Conducting Arabidopsis Cyclic Nucleotide Gated Channel2 Acts through Nitric Oxide to Repress Senescence Programming Â Â. Plant Physiology, 2010, 154, 733-743.	2.3	80
35	Forward and reverse genetics to identify genes involved in the ageâ€related resistance response in Arabidopsis thaliana. Molecular Plant Pathology, 2009, 10, 621-634.	2.0	46
36	Biological roles of cyclic-nucleotide-gated ion channels in plants: What we know and donâ€™t know about this 20 member ion channel familyThis paper is one of a selection published in a Special Issue comprising papers presented at the 50th Annual Meeting of the Canadian Society of Plant Physiologists (CSPP) held at the University of Ottawa, Ontario, in June 2008.. Botany, 2009, 87, 668-677.	0.5	64

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37	Identification of a functionally essential amino acid for Arabidopsis cyclic nucleotide gated ion channels using the chimeric AtCNGC11/12 gene. Plant Journal, 2008, 56, 457-469.	2.8	49
38	Lesion mimic mutants. Plant Signaling and Behavior, 2008, 3, 764-767.	1.2	82
39	Aconitase plays a role in regulating resistance to oxidative stress and cell death in Arabidopsis and Nicotiana benthamiana. Plant Molecular Biology, 2007, 63, 273-287.	2.0	148
40	The chimeric cyclic nucleotide-gated ion channel ATCNGC11/12 constitutively induces programmed cell death in a Ca2+ dependent manner. Plant Molecular Biology, 2007, 65, 747-761.	2.0	102
41	NPS6, Encoding a Nonribosomal Peptide Synthetase Involved in Siderophore-Mediated Iron Metabolism, Is a Conserved Virulence Determinant of Plant Pathogenic Ascomycetes. Plant Cell, 2006, 18, 2836-2853.	3.1	311
42	The Chimeric Arabidopsis CYCLIC NUCLEOTIDE-GATED ION CHANNEL11/12 Activates Multiple Pathogen Resistance Responses. Plant Cell, 2006, 18, 747-763.	3.1	201
43	Involvement of the Small GTPase Rac in the Defense Responses of Tobacco to Pathogens. Molecular Plant-Microbe Interactions, 2005, 18, 116-124.	1.4	73
44	Arabidopsis ssi2-Conferred Susceptibility to Botrytis cinerea Is Dependent on EDS5 and PAD4. Molecular Plant-Microbe Interactions, 2005, 18, 363-370.	1.4	52
45	The Timing of Senescence and Response to Pathogens Is Altered in the Ascorbate-Deficient Arabidopsis Mutant vitamin c-1. Plant Physiology, 2004, 134, 1784-1792.	2.3	244
46	ThePseudomonas syringaetype III effector AvrRpt2 functions downstream or independently of SA to promote virulence onArabidopsis thaliana. Plant Journal, 2004, 37, 494-504.	2.8	57
47	Ethylene Synthesis Regulated by Biphasic Induction of 1-Aminocyclopropane-1-Carboxylic Acid Synthase and 1-Aminocyclopropane-1-Carboxylic Acid Oxidase Genes Is Required for Hydrogen Peroxide Accumulation and Cell Death in Ozone-Exposed Tomato. Plant Physiology, 2002, 130, 1918-1926.	2.3	199
48	Ozone-induced oxidative burst in the ozone biomonitor plant, tobacco Bel W3. Plant Journal, 1998, 16, 235-245.	2.8	251
49	Defense activation and enhanced pathogen tolerance induced by H2O2 in transgenic tobacco. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5818-5823.	3.3	469
50	Environmental Sensitivity in Pathogen ResistantArabidopsis Mutants. , 0, , 113-135.		9