Gad Miller

List of Publications by Year
in descending order

38 papers	12,900 citations	218677 26 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	13340 citing authors

#	Article	IF	Citations
1	Reproductive resilience: putting pollen grains in two baskets. Trends in Plant Science, 2022, 27, 237-246.	8.8	3
2	Exogenous Abscisic Acid Confers Salinity Tolerance in <i>Chlamydomonas reinhardtii</i> During Its Life Cycle. Journal of Phycology, 2021, 57, 1323-1334.	2.3	10
3	Enhanced Reproductive Thermotolerance of the Tomato high pigment 2 Mutant Is Associated With Increased Accumulation of Flavonols in Pollen. Frontiers in Plant Science, 2021, 12, 672368.	3.6	18
4	Characterization of novel pollen-expressed transcripts reveals their potential roles in pollen heat stress response in Arabidopsis thaliana. Plant Reproduction, 2021, 34, 61-78.	2.2	11
5	ASCORBATE PEROXIDASE6 delays the onset of age-dependent leaf senescence. Plant Physiology, 2021, 185, 441-456.	4.8	15
6	A Ratiometric Calcium Reporter CGf Reveals Calcium Dynamics Both in the Single Cell and Whole Plant Levels Under Heat Stress. Frontiers in Plant Science, 2021, 12, 777975.	3.6	10
7	Large-Scale Analysis of Pollen Viability and Oxidative Level Using H2DCFDA-Staining Coupled with Flow Cytometry. Methods in Molecular Biology, 2020, 2160, 167-179.	0.9	7
8	Whole-Plant Live Imaging of Reactive Oxygen Species. Molecular Plant, 2019, 12, 1203-1210.	8.3	158
9	Direct analysis of pollen fitness by flow cytometry: implications for pollen response to stress. Plant Journal, 2019, 98, 942-952.	5.7	44
10	SELENOPROTEIN O is a chloroplast protein involved in ROS scavenging and its absence increases dehydration tolerance in Arabidopsis thaliana. Plant Science, 2018, 270, 278-291.	3.6	15
11	A comparison of heat-stress transcriptome changes between wild-type Arabidopsis pollen and a heat-sensitive mutant harboring a knockout of cyclic nucleotide-gated cation channel 16 (cngc16). BMC Genomics, 2018, 19, 549.	2.8	37
12	Orchestrating rapid longâ€distance signaling in plants with Ca²⁺, <scp>ROS</scp> and electrical signals. Plant Journal, 2017, 90, 698-707.	5.7	250
13	The IDA-LIKE peptides IDL6 and IDL7 are negative modulators of stress responses in Arabidopsis thaliana. Journal of Experimental Botany, 2017, 68, 3557-3571.	4.8	34
14	Desert Perennial Shrubs Shape the Microbial-Community Miscellany in Laimosphere and Phyllosphere Space. Microbial Ecology, 2016, 72, 659-668.	2.8	12
15	Reactive oxygen species tune root tropic responses. Plant Physiology, 2016, 172, pp.00660.2016.	4.8	44
16	Identification of novel transcriptional regulators of <i>Zat12</i> using comprehensive yeast oneâ€hybrid screens. Physiologia Plantarum, 2016, 157, 422-441.	5.2	9
17	Ultraâ€fast alterations in <scp>mRNA</scp> levels uncover multiple players in light stress acclimation in plants. Plant Journal, 2015, 84, 760-772.	5.7	71
18	Analysis and Visualization of RNA-Seq Expression Data Using RStudio, Bioconductor, and Integrated Genome Browser. Methods in Molecular Biology, 2015, 1284, 481-501.	0.9	69

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19	New cross talk between ROS, ABA and auxin controlling seed maturation and germination unraveled in APX6 deficient Arabidopsis seeds. Plant Signaling and Behavior, 2014, 9, e976489.	2.4	29
20	A tidal wave of signals: calcium and ROS at the forefront of rapid systemic signaling. Trends in Plant Science, 2014, 19, 623-630.	8.8	478
21	ASCORBATE PEROXIDASE6 Protects Arabidopsis Desiccating and Germinating Seeds from Stress and Mediates Cross Talk between Reactive Oxygen Species, Abscisic Acid, and Auxin Â Â Â. Plant Physiology, 2014, 166, 370-383.	4.8	109
22	Temporal-Spatial Interaction between Reactive Oxygen Species and Abscisic Acid Regulates Rapid Systemic Acclimation in Plants Â. Plant Cell, 2013, 25, 3553-3569.	6.6	316
23	A Cyclic Nucleotide-Gated Channel (CNGC16) in Pollen Is Critical for Stress Tolerance in Pollen Reproductive Development Â Â. Plant Physiology, 2013, 161, 1010-1020.	4.8	143
24	Enhanced seed production under prolonged heat stress conditions in<i>Arabidopsis thaliana</i>plants deficient in cytosolic ascorbate peroxidase 2. Journal of Experimental Botany, 2013, 64, 253-263.	4.8	114
25	ROS and redox signalling in the response of plants to abiotic stress. Plant, Cell and Environment, 2012, 35, 259-270.	5.7	1,339
26	Extranuclear protection of chromosomal DNA from oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1711-1716.	7.1	190
27	Elevation of free proline and proline-rich protein levels by simultaneous manipulations of proline biosynthesis and degradation in plants. Plant Science, 2011, 181, 140-150.	3.6	67
28	ROS signaling: the new wave?. Trends in Plant Science, 2011, 16, 300-309.	8.8	1,911
29	Respiratory burst oxidases: the engines of ROS signaling. Current Opinion in Plant Biology, 2011, 14, 691-699.	7.1	827
30	Reactive oxygen species homeostasis and signalling during drought and salinity stresses. Plant, Cell and Environment, 2010, 33, 453-467.	5.7	2,961
31	Unraveling Î”1-Pyrroline-5-Carboxylate-Proline Cycle in Plants by Uncoupled Expression of Proline Oxidation Enzymes. Journal of Biological Chemistry, 2009, 284, 26482-26492.	3.4	239
32	The Plant NADPH Oxidase RBOHD Mediates Rapid Systemic Signaling in Response to Diverse Stimuli. Science Signaling, 2009, 2, ra45.	3.6	897
33	Thiamin Confers Enhanced Tolerance to Oxidative Stress in Arabidopsis. Plant Physiology, 2009, 151, 421-432.	4.8	259
34	Metabolomics for plant stress response. Physiologia Plantarum, 2008, 132, 199-208.	5.2	583
35	Reactive oxygen signaling and abiotic stress. Physiologia Plantarum, 2008, 133, 481-489.	5.2	861
36	Double Mutants Deficient in Cytosolic and Thylakoid Ascorbate Peroxidase Reveal a Complex Mode of Interaction between Reactive Oxygen Species, Plant Development, and Response to Abiotic Stresses. Plant Physiology, 2007, 144, 1777-1785.	4.8	313

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37	Could Heat Shock Transcription Factors Function as Hydrogen Peroxide Sensors in Plants?. Annals of Botany, 2006, 98, 279-288.	2.9	433
38	Reactive Oxygen Signaling in Plants. , 0, , 189-201.		4