Ron Mittler

List of Publications by Year
in descending order

160 papers	59,377 citations	4831 87 h-index	7627 156 g-index
174 all docs	174 docs citations	174 times ranked	39487 citing authors

#	Article	IF	Citations
1	Developing climateâ€resilient crops: improving plant tolerance to stress combination. Plant Journal, 2022, 109, 373-389.	2.8	198
2	Cadmium interference with iron sensing reveals transcriptional programs sensitive and insensitive to reactive oxygen species. Journal of Experimental Botany, 2022, 73, 324-338.	2.4	9
3	Î³-Aminobutyric acid plays a key role in plant acclimation to a combination of high light and heat stress. Plant Physiology, 2022, 188, 2026-2038.	2.3	28
4	The [2Feâ€2S] protein CISD2 plays a key role in preventing iron accumulation in cardiomyocytes. FEBS Letters, 2022, 596, 747-761.	1.3	6
5	Plant responses and adaptations to a changing climate. Plant Journal, 2022, 109, 319-322.	2.8	9
6	A VDAC1-mediated NEET protein chain transfers [2Fe-2S] clusters between the mitochondria and the cytosol and impacts mitochondrial dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	20
7	Plant responses to climate change: metabolic changes under combined abiotic stresses. Journal of Experimental Botany, 2022, 73, 3339-3354.	2.4	89
8	Plant responses to multifactorial stress combination. New Phytologist, 2022, 234, 1161-1167.	3.5	129
9	Extracellular ATP plays an important role in systemic wound response activation. Plant Physiology, 2022, 189, 1314-1325.	2.3	19
10	Peptide Permeation across a Phosphocholine Membrane: An Atomically Detailed Mechanism Determined through Simulations and Supported by Experimentation. Journal of Physical Chemistry B, 2022, 126, 2834-2849.	1.2	17
11	Endothelial cells promote smooth muscle cell resilience to H₂O₂â€induced cell death in mouse cerebral arteries. Acta Physiologica, 2022, 235, e13819.	1.8	6
12	Differential regulation of flower transpiration during abiotic stress in annual plants. New Phytologist, 2022, 235, 611-629.	3.5	38
13	The <i>Arabidopsis</i> gene coâ€expression network. Plant Direct, 2022, 6, e396.	0.8	4
14	An anti-diabetic drug targets NEET (CISD) proteins through destabilization of their [2Fe-2S] clusters. Communications Biology, 2022, 5, 437.	2.0	8
15	A peptide-derived strategy for specifically targeting the mitochondria and ER of cancer cells: a new approach in fighting cancer. Chemical Science, 2022, 13, 6929-6941.	3.7	11
16	Aboveground plant-to-plant electrical signaling mediates network acquired acclimation. Plant Cell, 2022, 34, 3047-3065.	3.1	20
17	Reactive oxygen species signalling in plant stress responses. Nature Reviews Molecular Cell Biology, 2022, 23, 663-679.	16.1	520
18	Integration of reactive oxygen species and hormone signaling during abiotic stress. Plant Journal, 2021, 105, 459-476.	2.8	186

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19	The impact of water deficit and heat stress combination on the molecular response, physiology, and seed production of soybean. Physiologia Plantarum, 2021, 172, 41-52.	2.6	52
20	Metaâ€analysis of drought and heat stress combination impact on crop yield and yield components. Physiologia Plantarum, 2021, 171, 66-76.	2.6	188
21	NEET proteins as novel drug targets for mitochondrial dysfunction. , 2021, , 477-488.		5
22	A systemic whole-plant change in redox levels accompanies the rapid systemic response to wounding. Plant Physiology, 2021, 186, 4-8.	2.3	35
23	The mitochondrial localized CISD-3.1/CISD-3.2 proteins are required to maintain normal germline structure and function in Caenorhabditis elegans. PLoS ONE, 2021, 16, e0245174.	1.1	4
24	The impact of multifactorial stress combination on plant growth and survival. New Phytologist, 2021, 230, 1034-1048.	3.5	149
25	Plasmodesmata-localized proteins and ROS orchestrate light-induced rapid systemic signaling in <i>Arabidopsis</i>. Science Signaling, 2021, 14, .	1.6	66
26	Vascular and nonvascular transmission of systemic reactive oxygen signals during wounding and heat stress. Plant Physiology, 2021, 186, 1721-1733.	2.3	33
27	Integration of electric, calcium, reactive oxygen species and hydraulic signals during rapid systemic signaling in plants. Plant Journal, 2021, 107, 7-20.	2.8	66
28	Global Warming, Climate Change, and Environmental Pollution: Recipe for a Multifactorial Stress Combination Disaster. Trends in Plant Science, 2021, 26, 588-599.	4.3	437
29	A Combined Drug Treatment That Reduces Mitochondrial Iron and Reactive Oxygen Levels Recovers Insulin Secretion in NAF-1-Deficient Pancreatic Cells. Antioxidants, 2021, 10, 1160.	2.2	7
30	Combination of Antioxidant Enzyme Overexpression and Nâ€Acetylcysteine Treatment Enhances the Survival of Bone Marrow Mesenchymal Stromal Cells in Ischemic Limb in Mice With Type 2 Diabetes. Journal of the American Heart Association, 2021, 10, e023491.	1.6	13
31	The impact of stress combination on reproductive processes in crops. Plant Science, 2021, 311, 111007.	1.7	51
32	Disrupting CISD2 function in cancer cells primarily impacts mitochondrial labile iron levels and triggers TXNIP expression. Free Radical Biology and Medicine, 2021, 176, 92-104.	1.3	22
33	Coordinated and rapid wholeâ€plant systemic stomatal responses. New Phytologist, 2020, 225, 21-25.	3.5	81
34	Signal transduction networks during stress combination. Journal of Experimental Botany, 2020, 71, 1734-1741.	2.4	111
35	Expression of a dominantâ€negative AtNEETâ€H89C protein disrupts ironâ€"sulfur metabolism and iron homeostasis in Arabidopsis. Plant Journal, 2020, 101, 1152-1169.	2.8	41
36	FMO1 Is Involved in Excess Light Stress-Induced Signal Transduction and Cell Death Signaling. Cells, 2020, 9, 2163.	1.8	19

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37	MYB30 Orchestrates Systemic Reactive Oxygen Signaling and Plant Acclimation. Plant Physiology, 2020, 184, 666-675.	2.3	54
38	Untangling the ties that bind different systemic signals in plants. Science Signaling, 2020, 13, .	1.6	9
39	The balancing act of NEET proteins: Iron, ROS, calcium and metabolism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118805.	1.9	39
40	Vascular Bundles Mediate Systemic Reactive Oxygen Signaling during Light Stress. Plant Cell, 2020, 32, 3425-3435.	3.1	64
41	Phytochrome B Is Required for Systemic Stomatal Responses and Reactive Oxygen Species Signaling during Light Stress. Plant Physiology, 2020, 184, 1563-1572.	2.3	39
42	Systemic signaling during abiotic stress combination in plants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13810-13820.	3.3	232
43	High temperatures modify plant responses to abiotic stress conditions. Physiologia Plantarum, 2020, 170, 335-344.	2.6	67
44	Noninvasive Live ROS Imaging of Whole Plants Grown in Soil. Trends in Plant Science, 2020, 25, 1052-1053.	4.3	14
45	Coordinated Systemic Stomatal Responses in Soybean. Plant Physiology, 2020, 183, 1428-1431.	2.3	7
46	Rapid systemic signaling during abiotic and biotic stresses: is the ROS wave master of all trades?. Plant Journal, 2020, 102, 887-896.	2.8	179
47	Whole-Plant Live Imaging of Reactive Oxygen Species. Molecular Plant, 2019, 12, 1203-1210.	3.9	158
48	Jasmonic Acid Is Required for Plant Acclimation to a Combination of High Light and Heat Stress. Plant Physiology, 2019, 181, 1668-1682.	2.3	174
49	Biotechnological Potential of LSD1, EDS1, and PAD4 in the Improvement of Crops and Industrial Plants. Plants, 2019, 8, 290.	1.6	10
50	The anti-apoptotic proteins NAF-1 and iASPP interact to drive apoptosis in cancer cells. Chemical Science, 2019, 10, 665-673.	3.7	11
51	Editorial. Physiologia Plantarum, 2019, 165, 125-127.	2.6	1
52	Redox-dependent gating of VDAC by mitoNEET. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19924-19929.	3.3	85
53	Identification and characterization of a core set of ROS waveâ€associated transcripts involved in the systemic acquired acclimation response of Arabidopsis to excess light. Plant Journal, 2019, 98, 126-141.	2.8	97
54	Rapid Responses to Abiotic Stress: Priming the Landscape for the Signal Transduction Network. Trends in Plant Science, 2019, 24, 25-37.	4.3	264

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55	NEET Proteins: A New Link Between Iron Metabolism, Reactive Oxygen Species, and Cancer. Antioxidants and Redox Signaling, 2019, 30, 1083-1095.	2.5	129
56	The cisd gene family regulates physiological germline apoptosis through ced-13 and the canonical cell death pathway in Caenorhabditis elegans. Cell Death and Differentiation, 2019, 26, 162-178.	5.0	17
57	Using Tomato Recombinant Lines to Improve Plant Tolerance to Stress Combination Through a More Efficient Nitrogen Metabolism. Frontiers in Plant Science, 2019, 10, 1702.	1.7	21
58	Coordinating the overall stomatal response of plants: Rapid leaf-to-leaf communication during light stress. Science Signaling, 2018, 11, .	1.6	150
59	The unique fold and lability of the [2Fe-2S] clusters of NEET proteins mediate their key functions in health and disease. Journal of Biological Inorganic Chemistry, 2018, 23, 599-612.	1.1	52
60	Structure of the human monomeric NEET protein MiNT and its role in regulating iron and reactive oxygen species in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 272-277.	3.3	58
61	Phylogenetic analysis of the CDGSH iron-sulfur binding domain reveals its ancient origin. Scientific Reports, 2018, 8, 4840.	1.6	14
62	Plant adaptations to the combination of drought and high temperatures. Physiologia Plantarum, 2018, 162, 2-12.	2.6	726
63	ROS-induced ROS release in plant and animal cells. Free Radical Biology and Medicine, 2018, 122, 21-27.	1.3	160
64	Local and Systemic Metabolic Responses during Light-Induced Rapid Systemic Signaling. Plant Physiology, 2018, 178, 1461-1472.	2.3	49
65	Rapid Accumulation of Glutathione During Light Stress in Arabidopsis. Plant and Cell Physiology, 2018, 59, 1817-1826.	1.5	31
66	Tolerance to Stress Combination in Tomato Plants: New Insights in the Protective Role of Melatonin. Molecules, 2018, 23, 535.	1.7	246
67	Orchestrating rapid longâ€distance signaling in plants with Ca²⁺, <scp>ROS</scp> and electrical signals. Plant Journal, 2017, 90, 698-707.	2.8	250
68	Phylogenetic analysis of eukaryotic NEET proteins uncovers a link between a key gene duplication event and the evolution of vertebrates. Scientific Reports, 2017, 7, 42571.	1.6	34
69	Molecular Dynamics Simulations of the [2Feâ€“2S] Cluster-Binding Domain of NEET Proteins Reveal Key Molecular Determinants That Induce Their Cluster Transfer/Release. Journal of Physical Chemistry B, 2017, 121, 10648-10656.	1.2	18
70	Reactive oxygen species, abiotic stress and stress combination. Plant Journal, 2017, 90, 856-867.	2.8	1,759
71	ROS Are Good. Trends in Plant Science, 2017, 22, 11-19.	4.3	2,223
72	Interactions between mitoNEET and NAF-1 in cells. PLoS ONE, 2017, 12, e0175796.	1.1	42

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73	Activation of apoptosis in NAF-1-deficient human epithelial breast cancer cells. Journal of Cell Science, 2016, 129, 155-65.	1.2	44
74	ABA Is Required for Plant Acclimation to a Combination of Salt and Heat Stress. PLoS ONE, 2016, 11, e0147625.	1.1	267
75	Accumulation of Flavonols over Hydroxycinnamic Acids Favors Oxidative Damage Protection under Abiotic Stress. Frontiers in Plant Science, 2016, 7, 838.	1.7	202
76	ABA is required for the accumulation of APX1 and MBF1c during a combination of water deficit and heat stress. Journal of Experimental Botany, 2016, 67, 5381-5390.	2.4	153
77	Recent Progress in Understanding the Role of Reactive Oxygen Species in Plant Cell Signaling. Plant Physiology, 2016, 171, 1535-1539.	2.3	199
78	GLP-1-RA Corrects Mitochondrial Labile Iron Accumulation and Improves Î²-Cell Function in Type 2 Wolfram Syndrome. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3592-3599.	1.8	40
79	Breast cancer tumorigenicity is dependent on high expression levels of NAF-1 and the lability of its Fe-S clusters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10890-10895.	3.3	64
80	The evolution of reactive oxygen species metabolism. Journal of Experimental Botany, 2016, 67, 5933-5943.	2.4	144
81	ROS, Calcium, and Electric Signals: Key Mediators of Rapid Systemic Signaling in Plants. Plant Physiology, 2016, 171, 1606-1615.	2.3	455
82	Ultraâ€fast alterations in <scp>mRNA</scp> levels uncover multiple players in light stress acclimation in plants. Plant Journal, 2015, 84, 760-772.	2.8	71
83	Structureâ€“function analysis of NEET proteins uncovers their role as key regulators of iron and ROS homeostasis in health and disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1294-1315.	1.9	128
84	The Fe-S cluster-containing NEET proteins mitoNEET and NAF-1 as chemotherapeutic targets in breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3698-3703.	3.3	64
85	The Roles of ROS and ABA in Systemic Acquired Acclimation. Plant Cell, 2015, 27, 64-70.	3.1	450
86	Cancer-Related NEET Proteins Transfer 2Fe-2S Clusters to Anamorsin, a Protein Required for Cytosolic Iron-Sulfur Cluster Biogenesis. PLoS ONE, 2015, 10, e0139699.	1.1	59
87	A point mutation in the [2Feâ€“2S] cluster binding region of the NAF-1 protein (H114C) dramatically hinders the cluster donor properties. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1572-1578.	2.5	30
88	The combined effect of salinity and heat reveals a specific physiological, biochemical and molecular response in tomato plants. Plant, Cell and Environment, 2014, 37, 1059-1073.	2.8	309
89	Abiotic and biotic stress combinations. New Phytologist, 2014, 203, 32-43.	3.5	1,460
90	Integrated strategy reveals the protein interface between cancer targets Bcl-2 and NAF-1. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5177-5182.	3.3	55

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91	ROS as key players in plant stress signalling. Journal of Experimental Botany, 2014, 65, 1229-1240.	2.4	1,534
92	A tidal wave of signals: calcium and ROS at the forefront of rapid systemic signaling. Trends in Plant Science, 2014, 19, 623-630.	4.3	478
93	NAF-1 and mitoNEET are central to human breast cancer proliferation by maintaining mitochondrial homeostasis and promoting tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14676-14681.	3.3	171
94	Temporal-Spatial Interaction between Reactive Oxygen Species and Abscisic Acid Regulates Rapid Systemic Acclimation in Plants Â. Plant Cell, 2013, 25, 3553-3569.	3.1	316
95	Functional genomics, challenges and perspectives for the future. Physiologia Plantarum, 2013, 148, 317-321.	2.6	16
96	Linking genes of unknown function with abiotic stress responses by highâ€throughput phenotype screening. Physiologia Plantarum, 2013, 148, 322-333.	2.6	123
97	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.	2.3	143
98	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.	2.4	114
99	Nutrient-Deprivation Autophagy Factor-1 (NAF-1): Biochemical Properties of a Novel Cellular Target for Anti-Diabetic Drugs. PLoS ONE, 2013, 8, e61202.	1.1	45
100	Reactive oxygen species-dependent wound responses in animals and plants. Free Radical Biology and Medicine, 2012, 53, 2269-2276.	1.3	116
101	Characterization of <i>Arabidopsis</i> NEET Reveals an Ancient Role for NEET Proteins in Iron Metabolism. Plant Cell, 2012, 24, 2139-2154.	3.1	88
102	ROS and redox signalling in the response of plants to abiotic stress. Plant, Cell and Environment, 2012, 35, 259-270.	2.8	1,339
103	How do plants feel the heat?. Trends in Biochemical Sciences, 2012, 37, 118-125.	3.7	879
104	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.	3.3	190
105	ROS signaling: the new wave?. Trends in Plant Science, 2011, 16, 300-309.	4.3	1,911
106	Identification of the MBF1 heatâ€response regulon of <i>Arabidopsis thaliana</i>. Plant Journal, 2011, 66, 844-851.	2.8	148
107	The genome of woodland strawberry (Fragaria vesca). Nature Genetics, 2011, 43, 109-116.	9.4	1,091
108	Respiratory burst oxidases: the engines of ROS signaling. Current Opinion in Plant Biology, 2011, 14, 691-699.	3.5	827

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109	Facile transfer of [2Fe-2S] clusters from the diabetes drug target mitoNEET to an apo-acceptor protein. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13047-13052.	3.3	110
110	Reactive oxygen species homeostasis and signalling during drought and salinity stresses. Plant, Cell and Environment, 2010, 33, 453-467.	2.8	2,961
111	Genetic Engineering for Modern Agriculture: Challenges and Perspectives. Annual Review of Plant Biology, 2010, 61, 443-462.	8.6	902
112	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.	1.6	239
113	Proteomic profiling of tandem affinity purified 14â€3â€3 protein complexes in<i>Arabidopsis thaliana</i>. Proteomics, 2009, 9, 2967-2985.	1.3	193
114	The Plant NADPH Oxidase RBOHD Mediates Rapid Systemic Signaling in Response to Diverse Stimuli. Science Signaling, 2009, 2, ra45.	1.6	897
115	Thiamin Confers Enhanced Tolerance to Oxidative Stress in Arabidopsis. Plant Physiology, 2009, 151, 421-432.	2.3	259
116	Metabolomics for plant stress response. Physiologia Plantarum, 2008, 132, 199-208.	2.6	583
117	Reactive oxygen signaling and abiotic stress. Physiologia Plantarum, 2008, 133, 481-489.	2.6	861
118	Charting plant interactomes: possibilities and challenges. Trends in Plant Science, 2008, 13, 183-191.	4.3	93
119	Unraveling the Tapestry of Networks Involving Reactive Oxygen Species in Plants. Plant Physiology, 2008, 147, 978-984.	2.3	207
120	Enhanced Tolerance to Oxidative Stress in Transgenic Arabidopsis Plants Expressing Proteins of Unknown Function Â Â. Plant Physiology, 2008, 148, 280-292.	2.3	105
121	The Transcriptional Co-activator MBF1c Is a Key Regulator of Thermotolerance in Arabidopsis thaliana. Journal of Biological Chemistry, 2008, 283, 9269-9275.	1.6	267
122	Ascorbate Peroxidase 1 Plays a Key Role in the Response of Arabidopsis thaliana to Stress Combination. Journal of Biological Chemistry, 2008, 283, 34197-34203.	1.6	357
123	Annotating Genes of Known and Unknown Function by Large-Scale Coexpression Analysis Â Â. Plant Physiology, 2008, 147, 41-57.	2.3	162
124	Delayed leaf senescence induces extreme drought tolerance in a flowering plant. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19631-19636.	3.3	768
125	The EAR-motif of the Cys2/His2-type Zinc Finger Protein Zat7 Plays a Key Role in the Defense Response of Arabidopsis to Salinity Stress. Journal of Biological Chemistry, 2007, 282, 9260-9268.	1.6	248
126	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.	2.3	313

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127	POFs: what we donâ€™t know can hurt us. Trends in Plant Science, 2007, 12, 492-496.	4.3	35
128	Signals from chloroplasts converge to regulate nuclear gene expression. Science, 2007, 316, 715-9.	6.0	638
129	Signals from Chloroplasts Converge to Regulate Nuclear Gene Expression. Science, 2007, 316, 715-719.	6.0	196
130	What makes species unique? The contribution of proteins with obscure features. Genome Biology, 2006, 7, R57.	13.9	64
131	The Roles of Reactive Oxygen Species in Plant Cells. Plant Physiology, 2006, 141, 311-311.	2.3	252
132	Gain- and loss-of-function mutations inZat10enhance the tolerance of plants to abiotic stress. FEBS Letters, 2006, 580, 6537-6542.	1.3	412
133	Abiotic stress, the field environment and stress combination. Trends in Plant Science, 2006, 11, 15-19.	4.3	2,358
134	Reactive oxygen species and temperature stresses: A delicate balance between signaling and destruction. Physiologia Plantarum, 2006, 126, 45-51.	2.6	891
135	Could Heat Shock Transcription Factors Function as Hydrogen Peroxide Sensors in Plants?. Annals of Botany, 2006, 98, 279-288.	1.4	433
136	Transcriptomic Footprints Disclose Specificity of Reactive Oxygen Species Signaling in Arabidopsis Â. Plant Physiology, 2006, 141, 436-445.	2.3	683
137	Cell Death in Plant Development and Defense. , 2005, , 99-121.		2
138	The Zinc-Finger Protein Zat12 Plays a Central Role in Reactive Oxygen and Abiotic Stress Signaling in Arabidopsis Â. Plant Physiology, 2005, 139, 847-856.	2.3	601
139	Enhanced Tolerance to Environmental Stress in Transgenic Plants Expressing the Transcriptional Coactivator Multiprotein Bridging Factor 1c. Plant Physiology, 2005, 139, 1313-1322.	2.3	242
140	Cytosolic Ascorbate Peroxidase 1 Is a Central Component of the Reactive Oxygen Gene Network of Arabidopsis. Plant Cell, 2005, 17, 268-281.	3.1	858
141	The Zinc Finger Protein Zat12 Is Required for Cytosolic Ascorbate Peroxidase 1 Expression during Oxidative Stress in Arabidopsis. Journal of Biological Chemistry, 2004, 279, 11736-11743.	1.6	382
142	When Defense Pathways Collide. The Response of Arabidopsis to a Combination of Drought and Heat Stress. Plant Physiology, 2004, 134, 1683-1696.	2.3	1,438
143	Reactive oxygen gene network of plants. Trends in Plant Science, 2004, 9, 490-498.	4.3	4,689
144	Growth suppression, altered stomatal responses, and augmented induction of heat shock proteins in cytosolic ascorbate peroxidase (Apx1)-deficient Arabidopsis plants. Plant Journal, 2003, 34, 187-203.	2.8	304

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145	Enhanced photosynthesis and growth of transgenic plants that expressictB, a gene involved in HCO3â^'accumulation in cyanobacteria. Plant Biotechnology Journal, 2003, 1, 43-50.	4.1	94
146	The Water-Water Cycle Is Essential for Chloroplast Protection in the Absence of Stress. Journal of Biological Chemistry, 2003, 278, 38921-38925.	1.6	200
147	The Combined Effect of Drought Stress and Heat Shock on Gene Expression in Tobacco. Plant Physiology, 2002, 130, 1143-1151.	2.3	943
148	Oxidative stress, antioxidants and stress tolerance. Trends in Plant Science, 2002, 7, 405-410.	4.3	8,482
149	Molecular and biochemical mechanisms associated with dormancy and drought tolerance in the desert legume Retama raetam. Plant Journal, 2002, 31, 319-330.	2.8	182
150	Double antisense plants lacking ascorbate peroxidase and catalase are less sensitive to oxidative stress than single antisense plants lacking ascorbate peroxidase or catalase. Plant Journal, 2002, 32, 329-342.	2.8	308
151	Living under a â€˜dormantâ€™ canopy: a molecular acclimation mechanism of the desert plantRetama raetam. Plant Journal, 2001, 25, 407-416.	2.8	109
152	Transgene-induced lesion mimic. Plant Molecular Biology, 2000, 44, 335-344.	2.0	54
153	Signals controlling the expression of cytosolic ascorbate peroxidase during pathogen-induced programmed cell death in tobacco. Plant Molecular Biology, 1999, 39, 1025-1035.	2.0	71
154	Post-Transcriptional Suppression of Cytosolic Ascorbate Peroxidase Expression during Pathogen-Induced Programmed Cell Death in Tobacco. Plant Cell, 1998, 10, 461.	3.1	15
155	Characterization of nuclease activities and DNA fragmentation induced upon hypersensitive response cell death and mechanical stress. , 1997, 34, 209-221.		73
156	Sacrifice in the face of foes: Pathogen-induced programmed cell death in plants. Trends in Microbiology, 1996, 4, 10-15.	3.5	189
157	Regulation of pea cytosolic ascorbate peroxidase and other antioxidant enzymes during the progression of drought stress and following recovery from drought. Plant Journal, 1994, 5, 397-405.	2.8	403
158	Molecular cloning and nucleotide sequence analysis of a cDNA encoding pea cytosolic ascorbate peroxidase. FEBS Letters, 1991, 289, 257-259.	1.3	97
159	Purification and Characterization of Pea Cytosolic Ascorbate Peroxidase. Plant Physiology, 1991, 97, 962-968.	2.3	218
160	Reactive Oxygen Signaling in Plants. , 0, , 189-201.		4