Ron Mittler

List of Publications by Year
in descending order

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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	Oxidative stress, antioxidants and stress tolerance. Trends in Plant Science, 2002, 7, 405-410.	4.3	8,482
2	Reactive oxygen gene network of plants. Trends in Plant Science, 2004, 9, 490-498.	4.3	4,689
3	Reactive oxygen species homeostasis and signalling during drought and salinity stresses. Plant, Cell and Environment, 2010, 33, 453-467.	2.8	2,961
4	Abiotic stress, the field environment and stress combination. Trends in Plant Science, 2006, 11, 15-19.	4.3	2,358
5	ROS Are Good. Trends in Plant Science, 2017, 22, 11-19.	4.3	2,223
6	ROS signaling: the new wave?. Trends in Plant Science, 2011, 16, 300-309.	4.3	1,911
7	Reactive oxygen species, abiotic stress and stress combination. Plant Journal, 2017, 90, 856-867.	2.8	1,759
8	ROS as key players in plant stress signalling. Journal of Experimental Botany, 2014, 65, 1229-1240.	2.4	1,534
9	Abiotic and biotic stress combinations. New Phytologist, 2014, 203, 32-43.	3.5	1,460
10	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
11	ROS and redox signalling in the response of plants to abiotic stress. Plant, Cell and Environment, 2012, 35, 259-270.	2.8	1,339
12	The genome of woodland strawberry (Fragaria vesca). Nature Genetics, 2011, 43, 109-116.	9.4	1,091
13	The Combined Effect of Drought Stress and Heat Shock on Gene Expression in Tobacco. Plant Physiology, 2002, 130, 1143-1151.	2.3	943
14	Genetic Engineering for Modern Agriculture: Challenges and Perspectives. Annual Review of Plant Biology, 2010, 61, 443-462.	8.6	902
15	The Plant NADPH Oxidase RBOHD Mediates Rapid Systemic Signaling in Response to Diverse Stimuli. Science Signaling, 2009, 2, ra45.	1.6	897
16	Reactive oxygen species and temperature stresses: A delicate balance between signaling and destruction. Physiologia Plantarum, 2006, 126, 45-51.	2.6	891
17	How do plants feel the heat?. Trends in Biochemical Sciences, 2012, 37, 118-125.	3.7	879
18	Reactive oxygen signaling and abiotic stress. Physiologia Plantarum, 2008, 133, 481-489.	2.6	861

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19	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
20	Respiratory burst oxidases: the engines of ROS signaling. Current Opinion in Plant Biology, 2011, 14, 691-699.	3.5	827
21	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
22	Plant adaptations to the combination of drought and high temperatures. Physiologia Plantarum, 2018, 162, 2-12.	2.6	726
23	Transcriptomic Footprints Disclose Specificity of Reactive Oxygen Species Signaling in Arabidopsis Â. Plant Physiology, 2006, 141, 436-445.	2.3	683
24	Signals from chloroplasts converge to regulate nuclear gene expression. Science, 2007, 316, 715-9.	6.0	638
25	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
26	Metabolomics for plant stress response. Physiologia Plantarum, 2008, 132, 199-208.	2.6	583
27	Reactive oxygen species signalling in plant stress responses. Nature Reviews Molecular Cell Biology, 2022, 23, 663-679.	16.1	520
28	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
29	ROS, Calcium, and Electric Signals: Key Mediators of Rapid Systemic Signaling in Plants. Plant Physiology, 2016, 171, 1606-1615.	2.3	455
30	The Roles of ROS and ABA in Systemic Acquired Acclimation. Plant Cell, 2015, 27, 64-70.	3.1	450
31	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
32	Could Heat Shock Transcription Factors Function as Hydrogen Peroxide Sensors in Plants?. Annals of Botany, 2006, 98, 279-288.	1.4	433
33	Gain- and loss-of-function mutations inZat10enhance the tolerance of plants to abiotic stress. FEBS Letters, 2006, 580, 6537-6542.	1.3	412
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	ABA Is Required for Plant Acclimation to a Combination of Salt and Heat Stress. PLoS ONE, 2016, 11, e0147625.	1.1	267
44	Rapid Responses to Abiotic Stress: Priming the Landscape for the Signal Transduction Network. Trends in Plant Science, 2019, 24, 25-37.	4.3	264
45	Thiamin Confers Enhanced Tolerance to Oxidative Stress in Arabidopsis. Plant Physiology, 2009, 151, 421-432.	2.3	259
46	The Roles of Reactive Oxygen Species in Plant Cells. Plant Physiology, 2006, 141, 311-311.	2.3	252
47	Orchestrating rapid longâ€distance signaling in plants with Ca²⁺, <scp>ROS</scp> and electrical signals. Plant Journal, 2017, 90, 698-707.	2.8	250
48	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
49	Tolerance to Stress Combination in Tomato Plants: New Insights in the Protective Role of Melatonin. Molecules, 2018, 23, 535.	1.7	246
50	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
51	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
52	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
53	Purification and Characterization of Pea Cytosolic Ascorbate Peroxidase. Plant Physiology, 1991, 97, 962-968.	2.3	218
54	Unraveling the Tapestry of Networks Involving Reactive Oxygen Species in Plants. Plant Physiology, 2008, 147, 978-984.	2.3	207

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55	Accumulation of Flavonols over Hydroxycinnamic Acids Favors Oxidative Damage Protection under Abiotic Stress. Frontiers in Plant Science, 2016, 7, 838.	1.7	202
56	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
57	Recent Progress in Understanding the Role of Reactive Oxygen Species in Plant Cell Signaling. Plant Physiology, 2016, 171, 1535-1539.	2.3	199
58	Developing climateâ€resilient crops: improving plant tolerance to stress combination. Plant Journal, 2022, 109, 373-389.	2.8	198
59	Signals from Chloroplasts Converge to Regulate Nuclear Gene Expression. Science, 2007, 316, 715-719.	6.0	196
60	Proteomic profiling of tandem affinity purified 14â€3â€3 protein complexes in<i>Arabidopsis thaliana</i>. Proteomics, 2009, 9, 2967-2985.	1.3	193
61	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
62	Sacrifice in the face of foes: Pathogen-induced programmed cell death in plants. Trends in Microbiology, 1996, 4, 10-15.	3.5	189
63	Metaâ€analysis of drought and heat stress combination impact on crop yield and yield components. Physiologia Plantarum, 2021, 171, 66-76.	2.6	188
64	Integration of reactive oxygen species and hormone signaling during abiotic stress. Plant Journal, 2021, 105, 459-476.	2.8	186
65	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
66	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
67	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
68	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
69	Annotating Genes of Known and Unknown Function by Large-Scale Coexpression Analysis Â Â. Plant Physiology, 2008, 147, 41-57.	2.3	162
70	ROS-induced ROS release in plant and animal cells. Free Radical Biology and Medicine, 2018, 122, 21-27.	1.3	160
71	Whole-Plant Live Imaging of Reactive Oxygen Species. Molecular Plant, 2019, 12, 1203-1210.	3.9	158
72	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

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73	Coordinating the overall stomatal response of plants: Rapid leaf-to-leaf communication during light stress. Science Signaling, 2018, 11, .	1.6	150
74	The impact of multifactorial stress combination on plant growth and survival. New Phytologist, 2021, 230, 1034-1048.	3.5	149
75	Identification of the MBF1 heatâ€response regulon of <i>Arabidopsis thaliana</i>. Plant Journal, 2011, 66, 844-851.	2.8	148
76	The evolution of reactive oxygen species metabolism. Journal of Experimental Botany, 2016, 67, 5933-5943.	2.4	144
77	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
78	NEET Proteins: A New Link Between Iron Metabolism, Reactive Oxygen Species, and Cancer. Antioxidants and Redox Signaling, 2019, 30, 1083-1095.	2.5	129
79	Plant responses to multifactorial stress combination. New Phytologist, 2022, 234, 1161-1167.	3.5	129
80	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
81	Linking genes of unknown function with abiotic stress responses by highâ€throughput phenotype screening. Physiologia Plantarum, 2013, 148, 322-333.	2.6	123
82	Reactive oxygen species-dependent wound responses in animals and plants. Free Radical Biology and Medicine, 2012, 53, 2269-2276.	1.3	116
83	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
84	Signal transduction networks during stress combination. Journal of Experimental Botany, 2020, 71, 1734-1741.	2.4	111
85	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
86	Living under a â€˜dormantâ€™ canopy: a molecular acclimation mechanism of the desert plantRetama raetam. Plant Journal, 2001, 25, 407-416.	2.8	109
87	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
88	Molecular cloning and nucleotide sequence analysis of a cDNA encoding pea cytosolic ascorbate peroxidase. FEBS Letters, 1991, 289, 257-259.	1.3	97
89	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
90	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

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91	Charting plant interactomes: possibilities and challenges. Trends in Plant Science, 2008, 13, 183-191.	4.3	93
92	Plant responses to climate change: metabolic changes under combined abiotic stresses. Journal of Experimental Botany, 2022, 73, 3339-3354.	2.4	89
93	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
94	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
95	Coordinated and rapid wholeâ€plant systemic stomatal responses. New Phytologist, 2020, 225, 21-25.	3.5	81
96	Characterization of nuclease activities and DNA fragmentation induced upon hypersensitive response cell death and mechanical stress. , 1997, 34, 209-221.		73
97	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
98	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
99	High temperatures modify plant responses to abiotic stress conditions. Physiologia Plantarum, 2020, 170, 335-344.	2.6	67
100	Plasmodesmata-localized proteins and ROS orchestrate light-induced rapid systemic signaling in <i>Arabidopsis</i>. Science Signaling, 2021, 14, .	1.6	66
101	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
102	What makes species unique? The contribution of proteins with obscure features. Genome Biology, 2006, 7, R57.	13.9	64
103	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
104	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
105	Vascular Bundles Mediate Systemic Reactive Oxygen Signaling during Light Stress. Plant Cell, 2020, 32, 3425-3435.	3.1	64
106	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
107	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
108	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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109	Transgene-induced lesion mimic. Plant Molecular Biology, 2000, 44, 335-344.	2.0	54
110	MYB30 Orchestrates Systemic Reactive Oxygen Signaling and Plant Acclimation. Plant Physiology, 2020, 184, 666-675.	2.3	54
111	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
112	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
113	The impact of stress combination on reproductive processes in crops. Plant Science, 2021, 311, 111007.	1.7	51
114	Local and Systemic Metabolic Responses during Light-Induced Rapid Systemic Signaling. Plant Physiology, 2018, 178, 1461-1472.	2.3	49
115	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
116	Activation of apoptosis in NAF-1-deficient human epithelial breast cancer cells. Journal of Cell Science, 2016, 129, 155-65.	1.2	44
117	Interactions between mitoNEET and NAF-1 in cells. PLoS ONE, 2017, 12, e0175796.	1.1	42
118	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
119	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
120	The balancing act of NEET proteins: Iron, ROS, calcium and metabolism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118805.	1.9	39
121	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
122	Differential regulation of flower transpiration during abiotic stress in annual plants. New Phytologist, 2022, 235, 611-629.	3.5	38
123	POFs: what we donâ€™t know can hurt us. Trends in Plant Science, 2007, 12, 492-496.	4.3	35
124	A systemic whole-plant change in redox levels accompanies the rapid systemic response to wounding. Plant Physiology, 2021, 186, 4-8.	2.3	35
125	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
126	Vascular and nonvascular transmission of systemic reactive oxygen signals during wounding and heat stress. Plant Physiology, 2021, 186, 1721-1733.	2.3	33

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127	Rapid Accumulation of Glutathione During Light Stress in Arabidopsis. Plant and Cell Physiology, 2018, 59, 1817-1826.	1.5	31
128	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
129	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
130	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
131	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
132	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
133	Aboveground plant-to-plant electrical signaling mediates network acquired acclimation. Plant Cell, 2022, 34, 3047-3065.	3.1	20
134	FMO1 Is Involved in Excess Light Stress-Induced Signal Transduction and Cell Death Signaling. Cells, 2020, 9, 2163.	1.8	19
135	Extracellular ATP plays an important role in systemic wound response activation. Plant Physiology, 2022, 189, 1314-1325.	2.3	19
136	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
137	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
138	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
139	Functional genomics, challenges and perspectives for the future. Physiologia Plantarum, 2013, 148, 317-321.	2.6	16
140	Post-Transcriptional Suppression of Cytosolic Ascorbate Peroxidase Expression during Pathogen-Induced Programmed Cell Death in Tobacco. Plant Cell, 1998, 10, 461.	3.1	15
141	Phylogenetic analysis of the CDGSH iron-sulfur binding domain reveals its ancient origin. Scientific Reports, 2018, 8, 4840.	1.6	14
142	Noninvasive Live ROS Imaging of Whole Plants Grown in Soil. Trends in Plant Science, 2020, 25, 1052-1053.	4.3	14
143	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
144	The anti-apoptotic proteins NAF-1 and iASPP interact to drive apoptosis in cancer cells. Chemical Science, 2019, 10, 665-673.	3.7	11

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145	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
146	Biotechnological Potential of LSD1, EDS1, and PAD4 in the Improvement of Crops and Industrial Plants. Plants, 2019, 8, 290.	1.6	10
147	Untangling the ties that bind different systemic signals in plants. Science Signaling, 2020, 13, .	1.6	9
148	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
149	Plant responses and adaptations to a changing climate. Plant Journal, 2022, 109, 319-322.	2.8	9
150	An anti-diabetic drug targets NEET (CISD) proteins through destabilization of their [2Fe-2S] clusters. Communications Biology, 2022, 5, 437.	2.0	8
151	Coordinated Systemic Stomatal Responses in Soybean. Plant Physiology, 2020, 183, 1428-1431.	2.3	7
152	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
153	The [2Feâ€2S] protein CISD2 plays a key role in preventing iron accumulation in cardiomyocytes. FEBS Letters, 2022, 596, 747-761.	1.3	6
154	Endothelial cells promote smooth muscle cell resilience to H₂O₂â€induced cell death in mouse cerebral arteries. Acta Physiologica, 2022, 235, e13819.	1.8	6
155	NEET proteins as novel drug targets for mitochondrial dysfunction. , 2021, , 477-488.		5
156	Reactive Oxygen Signaling in Plants. , 0, , 189-201.		4
157	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
158	The <i>Arabidopsis</i> gene coâ€expression network. Plant Direct, 2022, 6, e396.	0.8	4
159	Cell Death in Plant Development and Defense. , 2005, , 99-121.		2
160	Editorial. Physiologia Plantarum, 2019, 165, 125-127.	2.6	1