

New Insights into Nitric Oxide Signaling in Plants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chemosensation in <i>C. elegans</i> . WormBook, 2006, , 1-29.	5.3	603
2	Plant Immunity Requires Conformational Changes of NPR1 via S-Nitrosylation and Thioredoxins. <i>Science</i> , 2008, 321, 952-956.	6.0	964
3	Modulation of Nitrosative Stress by <i>S</i> -Nitrosoglutathione Reductase Is Critical for Thermotolerance and Plant Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 20, 786-802.	3.1	321
4	Nitric Oxide as a Signaling Factor To Upregulate the Death-Specific Protein in a Marine Diatom, <i>Skeletonema costatum</i> , during Blockage of Electron Flow in Photosynthesis. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6521-6527.	1.4	46
5	Metabolism of Reactive Nitrogen Species in Pea Plants Under Abiotic Stress Conditions. <i>Plant and Cell Physiology</i> , 2008, 49, 1711-1722.	1.5	287
6	Real-time electrochemical detection of extracellular nitric oxide in tobacco cells exposed to cryptogein, an elicitor of defence responses. <i>Journal of Experimental Botany</i> , 2008, 59, 3407-3414.	2.4	48
7	Further insights into the structure of the alternative oxidase: from plants to parasites. <i>Biochemical Society Transactions</i> , 2008, 36, 1022-1026.	1.6	67
10	Primary Metabolism and Plant Defense—Fuel for the Fire. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 487-497.	1.4	675
11	Nitric Oxide Contributes to Cadmium Toxicity in <i>Arabidopsis</i> by Promoting Cadmium Accumulation in Roots and by Up-Regulating Genes Related to Iron Uptake. <i>Plant Physiology</i> , 2009, 149, 1302-1315.	2.3	331
13	Involvement of Reactive Nitrogen and Oxygen Species (RNS and ROS) in Sunflower-Mildew Interaction. <i>Plant and Cell Physiology</i> , 2009, 50, 665-679.	1.5	16
14	Involvement of Reactive Nitrogen and Oxygen Species (RNS and ROS) in Sunflower—Mildew Interaction. <i>Plant and Cell Physiology</i> , 2009, 50, 265-279.	1.5	168
15	Peroxisomes Are Required for in Vivo Nitric Oxide Accumulation in the Cytosol following Salinity Stress of <i>Arabidopsis</i> Plants. <i>Plant Physiology</i> , 2009, 151, 2083-2094.	2.3	163
16	Cyclic nucleotide gated channels and related signaling components in plant innate immunity. <i>Plant Signaling and Behavior</i> , 2009, 4, 277-282.	1.2	58
17	NO contributes to cadmium toxicity in <i>Arabidopsis thaliana</i> by mediating an iron deprivation response. <i>Plant Signaling and Behavior</i> , 2009, 4, 252-254.	1.2	15
18	Intersection of two signalling pathways: extracellular nucleotides regulate pollen germination and pollen tube growth via nitric oxide. <i>Journal of Experimental Botany</i> , 2009, 60, 2129-2138.	2.4	85
19	Plant cells oxidize hydroxylamines to NO. <i>Journal of Experimental Botany</i> , 2009, 60, 2065-2072.	2.4	109
20	NO signals in the hazeNitric oxide signalling in plant defence. <i>Current Opinion in Plant Biology</i> , 2009, 12, 451-458.	3.5	238
21	Expression of a rice gene OsNOA1 re-establishes nitric oxide synthesis and stress-related gene expression for salt tolerance in <i>Arabidopsis</i> nitric oxide-associated 1 mutant <i>Atnoa1</i> . <i>Environmental and Experimental Botany</i> , 2009, 65, 90-98.	2.0	30

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23	Interaction Between Polyamine and Nitric Oxide Signaling in Adaptive Responses to Drought in Cucumber. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 177-186.	2.8	105
24	Arginine, scurvy and Cartier's "tree of life". <i>Journal of Ethnobiology and Ethnomedicine</i> , 2009, 5, 5.	1.1	22
25	Different stresses, similar morphogenic responses: integrating a plethora of pathways. <i>Plant, Cell and Environment</i> , 2009, 32, 158-169.	2.8	319
26	Herbivory-induced signalling in plants: perception and action. <i>Plant, Cell and Environment</i> , 2009, 32, 1161-1174.	2.8	221
27	Studies on the mechanism of resistance to <i>Bipolaris sorokiniana</i> in the barley lesion mimic mutant <i>bst1</i> . <i>Molecular Plant Pathology</i> , 2009, 10, 587-598.	2.0	31
28	Thioredoxin targets in plants: The first 30 years. <i>Journal of Proteomics</i> , 2009, 72, 452-474.	1.2	265
29	Plant proteomics update (2007-2008): Second-generation proteomic techniques, an appropriate experimental design, and data analysis to fulfill MIAPE standards, increase plant proteome coverage and expand biological knowledge. <i>Journal of Proteomics</i> , 2009, 72, 285-314.	1.2	191
30	Stress Signaling I: The Role of Abscisic Acid (ABA). , 2009, , 33-73.		16
31	Interaction of signal systems (nitric oxide and calcium) in regulation of hydrolytic activity of tonoplast H ⁺ -pyrophosphatase under normal conditions and stress. <i>Doklady Biochemistry and Biophysics</i> , 2009, 428, 242-244.	0.3	2
32	Nitric Oxide Is Involved in Cadmium-Induced Programmed Cell Death in Arabidopsis Suspension Cultures. <i>Plant Physiology</i> , 2009, 150, 217-228.	2.3	243
33	AGCVIII kinases: at the crossroads of cellular signaling. <i>Trends in Plant Science</i> , 2009, 14, 689-695.	4.3	23
34	Nonsymbiotic hemoglobins and stress tolerance in plants. <i>Plant Science</i> , 2009, 176, 433-440.	1.7	76
35	Extracellular nucleotides: Ancient signaling molecules. <i>Plant Science</i> , 2009, 177, 239-244.	1.7	35
36	Current view of nitric oxide-responsive genes in plants. <i>Plant Science</i> , 2009, 177, 302-309.	1.7	102
37	Involvement of nitric oxide in water stress-induced responses of cucumber roots. <i>Plant Science</i> , 2009, 177, 682-690.	1.7	90
38	Nitric oxide suppresses growth and development in the unicellular green alga <i>Micrasterias denticulata</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 117-127.	1.6	27
39	Nitric Reductase-Dependent Nitric Oxide Production Is Involved in Cold Acclimation and Freezing Tolerance in Arabidopsis. <i>Plant Physiology</i> , 2009, 151, 755-767.	2.3	464
40	Activation of a nuclear-localized SIPK in tobacco cells challenged by cryptogein, an elicitor of plant defence reactions. <i>Biochemical Journal</i> , 2009, 418, 191-200.	1.7	32

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43	Nitric Oxide as a Partner of Reactive Oxygen Species Participates in Disease Resistance to Necrotrophic Pathogen <i>Botrytis cinerea</i> in <i>Nicotiana benthamiana</i> . <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 619-629.	1.4	173
45	Nitric oxide alleviates lipid peroxidation induced by osmotic stress during senescence of detached leaves of <i>Malus hupehensis</i> Rehd.. <i>Journal of Horticultural Science and Biotechnology</i> , 2010, 85, 367-373.	0.9	7
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49	The Response to Nitric Oxide of the Nitrogen-Fixing Symbiont <i>Sinorhizobium meliloti</i> . <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 748-759.	1.4	99
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54	Nitric oxide mediates humic acids-induced root development and plasma membrane H ⁺ -ATPase activation. <i>Planta</i> , 2010, 231, 1025-1036.	1.6	173
55	The beneficial effect of small toxic molecules on dormancy alleviation and germination of apple embryos is due to NO formation. <i>Planta</i> , 2010, 232, 999-1005.	1.6	32
56	Ethylene-induced nitric oxide production and stomatal closure in <i>Arabidopsis thaliana</i> depending on changes in cytosolic pH. <i>Science Bulletin</i> , 2010, 55, 2403-2409.	1.7	23
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58	Two enzymatic sources of nitric oxide in different organs of apple plant. <i>Biologia Plantarum</i> , 2010, 54, 789-792.	1.9	1
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64	Nitric oxide is involved in phosphorus deficiency-induced cluster-root development and citrate exudation in white lupin. <i>New Phytologist</i> , 2010, 187, 1112-1123.	3.5	147
65	Flooding induced emissions of volatile signalling compounds in three tree species with differing waterlogging tolerance. <i>Plant, Cell and Environment</i> , 2010, 33, no-no.	2.8	97
66	The NADPH oxidase activity of pea seedling roots in rhizobial infection depending on abiotic and biotic factors. <i>Applied Biochemistry and Microbiology</i> , 2010, 46, 438-443.	0.3	6
67	Structural and functional characteristics of plant NADPH oxidase: A review. <i>Applied Biochemistry and Microbiology</i> , 2010, 46, 463-471.	0.3	36
68	NO synthesis and signaling in plants " where do we stand?. <i>Physiologia Plantarum</i> , 2010, 138, 372-383.	2.6	297
69	Reactive oxygen species and nitric oxide in plant mitochondria: origin and redundant regulatory systems. <i>Physiologia Plantarum</i> , 2010, 138, 447-462.	2.6	188
70	Nitric oxide and hydrogen peroxide involvement during programmed cell death of <i>Sechium edule</i> nucellus. <i>Physiologia Plantarum</i> , 2010, 140, 89-102.	2.6	30
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74	The <i>Arabidopsis</i> Prohibitin Gene <i>PHB3</i> Functions in Nitric Oxide-Mediated Responses and in Hydrogen Peroxide-Induced Nitric Oxide Accumulation. <i>Plant Cell</i> , 2010, 22, 249-259.	3.1	102
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76	Inhibition of the Ubiquitin-Proteasome Pathway Alters Cellular Levels of Nitric Oxide in Tomato Seedlings. <i>Molecular Plant</i> , 2010, 3, 854-869.	3.9	40
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83	Extracellular ATP, nitric oxide and superoxide act coordinately to regulate hypocotyl growth in etiolated <i>Arabidopsis</i> seedlings. <i>Journal of Plant Physiology</i> , 2010, 167, 540-546.	1.6	54
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88	Ion Channels and Plant Stress Responses. <i>Signaling and Communication in Plants</i> , 2010, , .	0.5	11
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94	Nitric oxide production is not required for dihydrosphingosine-induced cell death in tobacco BY-2 cells. <i>Plant Signaling and Behavior</i> , 2011, 6, 736-739.	1.2	11
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102	The emerging roles of nitric oxide (NO) in plant mitochondria. <i>Plant Science</i> , 2011, 181, 520-526.	1.7	108

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107	Peroxynitrite formation and function in plants. <i>Plant Science</i> , 2011, 181, 534-539.	1.7	145
108	Roles of Ca ²⁺ and cyclic nucleotide gated channel in plant innate immunity. <i>Plant Science</i> , 2011, 181, 342-346.	1.7	46
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122	NO way to treat a cold. <i>New Phytologist</i> , 2011, 189, 360-363.	3.5	39
123	Nitric oxide is required for an optimal establishment of the <i>Medicago truncatula</i> – <i>Sinorhizobium meliloti</i> symbiosis. <i>New Phytologist</i> , 2011, 191, 405-417.	3.5	121
124	Upstream and downstream signals of nitric oxide in pathogen defence. <i>Current Opinion in Plant Biology</i> , 2011, 14, 707-714.	3.5	106
125	Cyclic Nucleotide Gated Channels (CNGCs) and the Generation of Ca ²⁺ Signals. <i>Signaling and Communication in Plants</i> , 2011, , 93-110.	0.5	5
126	Role of nitric oxide in tolerance of plants to abiotic stress. <i>Protoplasma</i> , 2011, 248, 447-455.	1.0	293
127	Nitric oxide production and its functional link with OIPK in tobacco defense response elicited by chitooligosaccharide. <i>Plant Cell Reports</i> , 2011, 30, 1153-1162.	2.8	46
128	Nitric Oxide Induces Flowering in the Duckweed <i>Lemna aquinoctialis</i> Welw. (Syn. <i>L. paucicostata</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.8	29
129	Proteomic analysis of <i>Arabidopsis</i> protein S-nitrosylation in response to inoculation with <i>Pseudomonas syringae</i> . <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1493-1514.	1.0	37
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133	S-Nitrosoglutathione reductase (GSNOR) mediates the biosynthesis of jasmonic acid and ethylene induced by feeding of the insect herbivore <i>Manduca sexta</i> and is important for jasmonate-elicited responses in <i>Nicotiana attenuata</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 4605-4616.	2.4	69
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138	Oxidative and nitrosative signaling in plants. <i>Plant Signaling and Behavior</i> , 2011, 6, 210-214.	1.2	116
139	COPPER AMINE OXIDASE1 (CuAO1) of <i>Arabidopsis thaliana</i> Contributes to Abscisic Acid-and Polyamine-Induced Nitric Oxide Biosynthesis and Abscisic Acid Signal Transduction. <i>Molecular Plant</i> , 2011, 4, 663-678.	3.9	153

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159	Oleic Acidâ€“Dependent Modulation of NITRIC OXIDE ASSOCIATED1 Protein Levels Regulates Nitric Oxideâ€“Mediated Defense Signaling in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 1654-1674.	3.1	142
160	Protein S-nitrosylation: What's going on in plants?. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1101-1110.	1.3	151
161	Nitrite Reductase Activity of Nonsymbiotic Hemoglobins from <i>Arabidopsis thaliana</i> . <i>Biochemistry</i> , 2012, 51, 5285-5292.	1.2	62
162	Redox Regulation in Photosynthetic Organisms: Focus on Glutathionylation. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 567-586.	2.5	152
163	Nitric Oxide-Dependent Posttranslational Modification in Plants: An Update. <i>International Journal of Molecular Sciences</i> , 2012, 13, 15193-15208.	1.8	219
164	Local Root Apex Hypoxia Induces NO-Mediated Hypoxic Acclimation of the Entire Root. <i>Plant and Cell Physiology</i> , 2012, 53, 912-920.	1.5	55
165	Nitric oxide as a critical factor for perception of UVâ€“B irradiation by microtubules in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2012, 145, 505-515.	2.6	54
166	Insights into Cadmium Toxicity: Reactive Oxygen and Nitrogen Species Function. , 2012, , 91-117.		11
167	The promoter region of the <i>Zinnia elegans</i> basic peroxidase isoenzyme gene contains cis-elements responsive to nitric oxide and hydrogen peroxide. <i>Planta</i> , 2012, 236, 327-342.	1.6	15
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170	Impact of sodium nitroprusside on nitrate reductase, proline content, and antioxidant system in tomato under salinity stress. <i>Horticulture Environment and Biotechnology</i> , 2012, 53, 362-367.	0.7	52
171	Increasing Nitric Oxide Content in <i>Arabidopsis thaliana</i> by Expressing Rat Neuronal Nitric Oxide Synthase Resulted in Enhanced Stress Tolerance. <i>Plant and Cell Physiology</i> , 2012, 53, 344-357.	1.5	133
173	Nitric oxide produced during the hypersensitive response modulates the plant signaling network and inhibits the pathogenâ€™s virulence machinery. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, S9.	1.2	5
175	Ethylene produced by the endosperm is involved in the regulation of nucellus programmed cell death in <i>Sechium edule</i> Sw. <i>Plant Science</i> , 2012, 187, 31-38.	1.7	25
177	Glutathione improves early somatic embryogenesis in <i>Araucaria angustifolia</i> (Bert) O. Kuntze by alteration in nitric oxide emission. <i>Plant Science</i> , 2012, 195, 80-87.	1.7	44
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185	Accumulation and phytotoxicity of microcystin-LR in rice (<i>Oryza sativa</i>). <i>Ecotoxicology and Environmental Safety</i> , 2012, 76, 193-199.	2.9	74
186	Regulation of Seed Germination and Seedling Growth by Chemical Signals from Burning Vegetation. <i>Annual Review of Plant Biology</i> , 2012, 63, 107-130.	8.6	242
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