

# 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 Charges of NPR1 via S-Nitrosylation and Thioredoxins. Science, 2008, 321, 952-956.	12.6	964
3	Modulation of Nitrosative Stress by <i>S</i> -Nitrosoglutathione Reductase Is Critical for Thermotolerance and Plant Growth in <i>Arabidopsis</i> . Plant Cell, 2008, 20, 786-802.	6.6	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. Applied and Environmental Microbiology, 2008, 74, 6521-6527.	3.1	46
5	Metabolism of Reactive Nitrogen Species in Pea Plants Under Abiotic Stress Conditions. Plant and Cell Physiology, 2008, 49, 1711-1722.	3.1	287
6	Real-time electrochemical detection of extracellular nitric oxide in tobacco cells exposed to cryptogin, an elicitor of defence responses. Journal of Experimental Botany, 2008, 59, 3407-3414.	4.8	48
7	Further insights into the structure of the alternative oxidase: from plants to parasites. Biochemical Society Transactions, 2008, 36, 1022-1026.	3.4	67
10	Primary Metabolism and Plant Defense—Fuel for the Fire. Molecular Plant-Microbe Interactions, 2009, 22, 487-497.	2.6	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. Plant Physiology, 2009, 149, 1302-1315.	4.8	331
13	Involvement of Reactive Nitrogen and Oxygen Species (RNS and ROS) in Sunflower-Mildew Interaction. Plant and Cell Physiology, 2009, 50, 665-679.	3.1	16
14	Involvement of Reactive Nitrogen and Oxygen Species (RNS and ROS) in Sunflower-Mildew Interaction. Plant and Cell Physiology, 2009, 50, 265-279.	3.1	168
15	Peroxisomes Are Required for in Vivo Nitric Oxide Accumulation in the Cytosol following Salinity Stress of <i>Arabidopsis</i> Plants. Plant Physiology, 2009, 151, 2083-2094.	4.8	163
16	Cyclic nucleotide gated channels and related signaling components in plant innate immunity. Plant Signaling and Behavior, 2009, 4, 277-282.	2.4	58
17	NO contributes to cadmium toxicity in <i>Arabidopsis thaliana</i> by mediating an iron deprivation response. Plant Signaling and Behavior, 2009, 4, 252-254.	2.4	15
18	Intersection of two signalling pathways: extracellular nucleotides regulate pollen germination and pollen tube growth via nitric oxide. Journal of Experimental Botany, 2009, 60, 2129-2138.	4.8	85
19	Plant cells oxidize hydroxylamines to NO. Journal of Experimental Botany, 2009, 60, 2065-2072.	4.8	109
20	NO signals in the hazeNitric oxide signalling in plant defence. Current Opinion in Plant Biology, 2009, 12, 451-458.	7.1	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 Atnoa1. Environmental and Experimental Botany, 2009, 65, 90-98.	4.2	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.	5.1	105
24	Arginine, scurvy and Cartier's "tree of life". <i>Journal of Ethnobiology and Ethnomedicine</i> , 2009, 5, 5.	2.6	22
25	Different stresses, similar morphogenic responses: integrating a plethora of pathways. <i>Plant, Cell and Environment</i> , 2009, 32, 158-169.	5.7	319
26	Herbivory-induced signalling in plants: perception and action. <i>Plant, Cell and Environment</i> , 2009, 32, 1161-1174.	5.7	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.	4.2	31
28	Thioredoxin targets in plants: The first 30 years. <i>Journal of Proteomics</i> , 2009, 72, 452-474.	2.4	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.	2.4	191
30	Stress Signaling I: The Role of Absciscic Acid (ABA). , 2009, , 33-73.		16
31	Interaction of signal systems (nitric oxide and calcium) in regulation of hydrolytic activity of tonoplast H <sup>+</sup> -pyrophosphatase under normal conditions and stress. <i>Doklady Biochemistry and Biophysics</i> , 2009, 428, 242-244.	0.9	2
32	Nitric Oxide Is Involved in Cadmium-Induced Programmed Cell Death in Arabidopsis Suspension Cultures. <i>Plant Physiology</i> , 2009, 150, 217-228.	4.8	243
33	AGCVIII kinases: at the crossroads of cellular signaling. <i>Trends in Plant Science</i> , 2009, 14, 689-695.	8.8	23
34	Nonsymbiotic hemoglobins and stress tolerance in plants. <i>Plant Science</i> , 2009, 176, 433-440.	3.6	76
35	Extracellular nucleotides: Ancient signaling molecules. <i>Plant Science</i> , 2009, 177, 239-244.	3.6	35
36	Current view of nitric oxide-responsive genes in plants. <i>Plant Science</i> , 2009, 177, 302-309.	3.6	102
37	Involvement of nitric oxide in water stress-induced responses of cucumber roots. <i>Plant Science</i> , 2009, 177, 682-690.	3.6	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.	3.5	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.	4.8	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.	3.7	32

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45	Nitric oxide alleviates lipid peroxidation induced by osmotic stress during senescence of detached leaves of <i>Malus hupehensis</i> Rehd.. Journal of Horticultural Science and Biotechnology, 2010, 85, 367-373.	1.9	7
46	Nitric oxide in plants: a brief discussion on this multifunctional molecule. Scientia Agricola, 2010, 67, 236-243.	1.2	20
48	Production of Nitric Oxide and Nitrosylhemoglobin Complexes in Soybean Nodules in Response to Flooding. Molecular Plant-Microbe Interactions, 2010, 23, 702-711.	2.6	107
49	The Response to Nitric Oxide of the Nitrogen-Fixing Symbiont <i>Sinorhizobium meliloti</i> . Molecular Plant-Microbe Interactions, 2010, 23, 748-759.	2.6	99
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54	Nitric oxide mediates humic acids-induced root development and plasma membrane H <sup>+</sup> -ATPase activation. Planta, 2010, 231, 1025-1036.	3.2	173
55	The beneficial effect of small toxic molecules on dormancy alleviation and germination of apple embryos is due to NO formation. Planta, 2010, 232, 999-1005.	3.2	32
56	Ethylene-induced nitric oxide production and stomatal closure in <i>Arabidopsis thaliana</i> depending on changes in cytosolic pH. Science Bulletin, 2010, 55, 2403-2409.	1.7	23
57	Sodium nitroprusside mediates seedling development and attenuation of oxidative stresses in Chinese cabbage. Plant Biotechnology Reports, 2010, 4, 243-251.	1.5	51
58	Two enzymatic sources of nitric oxide in different organs of apple plant. Biologia Plantarum, 2010, 54, 789-792.	1.9	1
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63	Identification of in vivo nitrosylated phytochelatins in <i>Arabidopsis thaliana</i> cells by liquid chromatography-direct electrospray-linear ion trap-mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 4120-4126.	3.7	41
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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.	5.7	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.	0.9	6
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68	NO synthesis and signaling in plants “where do we stand?”. <i>Physiologia Plantarum</i> , 2010, 138, 372-383.	5.2	297
69	Reactive oxygen species and nitric oxide in plant mitochondria: origin and redundant regulatory systems. <i>Physiologia Plantarum</i> , 2010, 138, 447-462.	5.2	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.	5.2	30
72	Attenuation of salt-induced changes in photosynthesis by exogenous nitric oxide in tomato ( <i>Lycopersicon esculentum</i> Mill. L.) seedlings. <i>African Journal of Biotechnology</i> , 2010, 9, 7837-7846.	0.6	31
73	Involvement of ethylene and nitric oxide in cell death in mastoparan-treated unicellular alga <i>Chlamydomonas reinhardtii</i> . <i>Cell Biology International</i> , 2010, 34, 301-308.	3.0	68
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.	6.6	102
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81	Cross-Talk between ROS and Calcium in Regulation of Nuclear Activities. <i>Molecular Plant</i> , 2010, 3, 706-718.	8.3	117

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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.	3.5	54
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88	Ion Channels and Plant Stress Responses. <i>Signaling and Communication in Plants</i> , 2010, , .	0.7	11
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102	The emerging roles of nitric oxide (NO) in plant mitochondria. <i>Plant Science</i> , 2011, 181, 520-526.	3.6	108

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103	The message of nitric oxide in cadmium challenged plants. <i>Plant Science</i> , 2011, 181, 612-620.	3.6	128
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117	The language of nitric oxide signalling. <i>Plant Biology</i> , 2011, 13, 233-242.	3.8	151
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122	NO way to treat a cold. <i>New Phytologist</i> , 2011, 189, 360-363.	7.3	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.	7.3	121
124	Upstream and downstream signals of nitric oxide in pathogen defence. <i>Current Opinion in Plant Biology</i> , 2011, 14, 707-714.	7.1	106
125	Cyclic Nucleotide Gated Channels (CNGCs) and the Generation of Ca <sup>2+</sup> Signals. <i>Signaling and Communication in Plants</i> , 2011, , 93-110.	0.7	5
126	Role of nitric oxide in tolerance of plants to abiotic stress. <i>Protoplasma</i> , 2011, 248, 447-455.	2.1	293
127	Nitric oxide production and its functional link with OIPK in tobacco defense response elicited by chitoooligosaccharide. <i>Plant Cell Reports</i> , 2011, 30, 1153-1162.	5.6	46
128	Nitric Oxide Induces Flowering in the Duckweed <i>Lemna aequinoctialis</i> Welw. (Syn. <i>L. paucicostata</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	5.1	29
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136	MtNOA1/RIF1 modulates <i>Medicago truncatula</i> – <i>Sinorhizobium meliloti</i> nodule development without affecting its nitric oxide content. <i>Journal of Experimental Botany</i> , 2011, 62, 939-948.	4.8	17
137	Nitric Oxide Effects on Photosynthetic Rate, Growth, and Antioxidant Activity in Tomato. <i>International Journal of Vegetable Science</i> , 2011, 17, 333-348.	1.3	34
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141	NO way! Is nitric oxide level in tomato regulated by a mammalian IKK/NF- $\kappa$ B like signaling pathway?. Plant Signaling and Behavior, 2011, 6, 1049-1052.	2.4	4
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149	Nitric Oxide and Protein S-Nitrosylation Are Integral to Hydrogen Peroxide-Induced Leaf Cell Death in Rice. Plant Physiology, 2012, 158, 451-464.	4.8	290
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151	In vivo role of nitric oxide in plant response to abiotic and biotic stress. Plant Signaling and Behavior, 2012, 7, 437-439.	2.4	32
152	Nitric Oxide Up-Regulates the Expression of Methionine Sulfoxide Reductase Genes in the Intertidal Macroalga <i>Ulva fasciata</i> for High Light Acclimation. Plant and Cell Physiology, 2012, 53, 445-456.	3.1	20
153	Inhibition of aconitase by nitric oxide leads to induction of the alternative oxidase and to a shift of metabolism towards biosynthesis of amino acids. Journal of Experimental Botany, 2012, 63, 1773-1784.	4.8	164
154	Nitrate Reductase- and Nitric Oxide-Dependent Activation of Sinapoylglucose:malate sinapoyltransferase in Leaves of <i>Arabidopsis thaliana</i> . Plant and Cell Physiology, 2012, 53, 1607-1616.	3.1	15
155	Study of oligogalacturonides-triggered Nitric Oxide (NO) production provokes new questioning about the origin of NO biosynthesis in plants. Plant Signaling and Behavior, 2012, 7, 1031-1033.	2.4	17
156	Nitric Oxide-Mediated Maintenance of Redox Homeostasis Contributes to NPR1-Dependent Plant Innate Immunity Triggered by Lipopolysaccharides. Plant Physiology, 2012, 160, 1081-1096.	4.8	67
157	Heat Reduces Nitric Oxide Production Required for Auxin-Mediated Gene Expression and Fate Determination in Tree Tobacco Guard Cell Protoplasts. Plant Physiology, 2012, 159, 1608-1623.	4.8	20

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