## Methods for the continuous measurement of O2 consurnodulated legume root systems

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**Citation Report** 

#	Article	IF	CITATIONS
1	Hydrogen measurements provide direct evidence for a variable physical barrier to gas diffusion in legume nodules. Journal of Experimental Botany, 1998, 49, 1015-1020.	4.8	47
2	Sucrose Synthase in Legume Nodules Is Essential for Nitrogen Fixation1. Plant Physiology, 1999, 120, 867-878.	4.8	175
3	Stress-Induced Legume Root Nodule Senescence. Physiological, Biochemical, and Structural Alterations. Plant Physiology, 1999, 121, 97-112.	4.8	166
4	Abscisic acid induces a decline in nitrogen fixation that involves leghaemoglobin, but is independent of sucrose synthase activity. Journal of Experimental Botany, 2001, 52, 285-293.	4.8	24
5	Continuous CO2 enrichment leads to increased nodule biomass, carbon availability to nodules and activity of carbon-metabolising enzymes but does not enhance specific nitrogen fixation in pea. Physiologia Plantarum, 2001, 113, 33-40.	5.2	54
6	Abscisic acid induces a decline in nitrogen fixation that involves leghaemoglobin, but is independent of sucrose synthase activity. Journal of Experimental Botany, 2001, 52, 285-293.	4.8	68
7	Shortâ€ŧerm metabolic responses of soybean root nodules to nitrate. Journal of Experimental Botany, 2002, 53, 423-428.	4.8	43
8	A Simple Model of Feedback Regulation for Nitrate Uptake and N2 Fixation in Contrasting Phenotypes of White Clover. Annals of Botany, 2002, 90, 139-147.	2.9	31
9	Effects of water stress on antioxidant enzymes of leaves and nodules of transgenic alfalfa overexpressing superoxide dismutases. Physiologia Plantarum, 2002, 115, 531-540.	5.2	141
10	Physiological implications of trehalase from Phaseolus vulgaris root nodules: partial purification and characterization. Plant Physiology and Biochemistry, 2005, 43, 355-361.	5.8	18
11	Evidence for carbon flux shortage and strong carbon/nitrogen interactions in pea nodules at early stages of water stress. Journal of Experimental Botany, 2005, 56, 2551-2561.	4.8	119
12	Trehalose metabolism in root nodules of the model legume Lotus japonicus in response to salt stress. Physiologia Plantarum, 2006, 128, 701-709.	5.2	36
13	Nitrogen Fixation Control under Drought Stress. Localized or Systemic?. Plant Physiology, 2007, 143, 1968-1974.	4.8	114
14	Nitrogen Fixation Control under Drought Stress. Localized or Systemic?. Plant Physiology, 2007, 143, 1968-1974.	4.8	114
15	Medicago truncatula Root Nodule Proteome Analysis Reveals Differential Plant and Bacteroid Responses to Drought Stress. Plant Physiology, 2007, 144, 1495-1507.	4.8	178
16	The Response of Carbon Metabolism and Antioxidant Defenses of Alfalfa Nodules to Drought Stress and to the Subsequent Recovery of Plants. Plant Physiology, 2007, 144, 1104-1114.	4.8	210
17	Reduced Carbon Availability to Bacteroids and Elevated Ureides in Nodules, But Not in Shoots, Are Involved in the Nitrogen Fixation Response to Early Drought in Soybean. Plant Physiology, 2007, 145, 539-546.	4.8	124
18	Growth and nitrogen fixation in Lotus japonicus and Medicago truncatula under NaCl stress: Nodule carbon metabolism. Journal of Plant Physiology, 2008, 165, 641-650.	3.5	94

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19	Nitrogen fixation is synchronized with carbon metabolism inLotus japonicusandMedicago truncatulanodules under salt stress. Journal of Plant Interactions, 2008, 3, 137-144.	2.1	9
20	Evidence for Transcriptional and Post-Translational Regulation of Sucrose Synthase in Pea Nodules by the Cellular Redox State. Molecular Plant-Microbe Interactions, 2008, 21, 622-630.	2.6	33
21	Comparison of Galvanic and Chemiâ€Luminescent Sensors for Detecting Soil Air Oxygen in Floodâ€Irrigated Pecans. Soil Science Society of America Journal, 2008, 72, 758-766.	2.2	10
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26	Comparing Symbiotic Efficiency between Swollen versus Nonswollen Rhizobial Bacteroids. Plant Physiology, 2010, 154, 1541-1548.	4.8	108
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28	Effect of salinity on nodulation, nitrogen fixation and growth of common bean (Phaseolus vulgaris) inoculated with rhizobial strains isolated from the Haouz region of Morocco. Symbiosis, 2011, 55, 69-75.	2.3	34
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31	Developmental effects on ureide levels are mediated by tissue-specific regulation of allantoinase in Phaseolus vulgaris L Journal of Experimental Botany, 2012, 63, 4095-4106.	4.8	43
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35	Salicylic acid improves the salinity tolerance of Medicago sativa in symbiosis with Sinorhizobium meliloti by preventing nitrogen fixation inhibition. Plant Science, 2013, 208, 75-82.	3.6	113
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37	Is N-feedback involved in the inhibition of nitrogen fixation in drought-stressed <i>Medicago truncatula</i> ?. Journal of Experimental Botany, 2013, 64, 281-292.	4.8	38
38	Development of Tools for the Biochemical Characterization of the Symbiotic Receptor-Like Kinase DMI2. Molecular Plant-Microbe Interactions, 2013, 26, 216-226.	2.6	11
39	Effect of Longâ€Term Irrigation with Treated Wastewater on the Root Zone Environment. Vadose Zone Journal, 2013, 12, 1-10.	2.2	51
40	Nodule carbohydrate catabolism is enhanced in the Medicago truncatula A17-Sinorhizobium medicae WSM419 symbiosis. Frontiers in Microbiology, 2014, 5, 447.	3.5	24
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42	Involvement of abscisic acid in the response of Medicago sativa plants in symbiosis with Sinorhizobium meliloti to salinity. Plant Science, 2014, 223, 16-24.	3.6	31
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44	Performance of Bradyrhizobium and Bradyrhizobium–Azospirillum in Alleviating the Effects of Water-Restrictive Conditions During the Early Stages of Arachis hypogaea Growth. Journal of Plant Growth Regulation, 2019, 38, 1362-1374.	5.1	10
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