

Sink strength regulates photosynthesis in sugarcane

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Physiological Effects of Waterlogging on Two Lucerne Varieties Grown Under Glasshouse Conditions. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 345-356.	1.7	32
3	Screen of Genes Linked to High-Sugar Content in Stems by Comparative Genomics. <i>Rice</i> , 2008, 1, 166-176.	1.7	38
4	South African Sugarcane Research Institute: Embracing biotechnology for crop improvement research. <i>Sugar Tech</i> , 2008, 10, 1-13.	0.9	12
5	Differential Expression of Genes in the Leaves of Sugarcane in Response to Sugar Accumulation. <i>Tropical Plant Biology</i> , 2008, 1, 142-158.	1.0	33
6	Genomics of Tropical Crop Plants. , 2008, , .		13
7	Regulation of photosynthesis by sugars in sugarcane leaves. <i>Journal of Plant Physiology</i> , 2008, 165, 1817-1829.	1.6	76
8	Culm sucrose accumulation promotes physiological decline of mature leaves in ripening sugarcane. <i>Field Crops Research</i> , 2008, 108, 250-258.	2.3	30
9	Sugarcane: A Major Source of Sweetness, Alcohol, and Bio-energy. , 2008, , 483-513.		42
10	Changes in Photosynthetic Rates and Gene Expression of Leaves during a Sourceâ€“Sink Perturbation in Sugarcane. <i>Annals of Botany</i> , 2008, 101, 89-102.	1.4	88
11	Perturbed Lignification Impacts Tree Growth in Hybrid Poplarâ€”A Function of Sink Strength, Vascular Integrity, and Photosynthetic Assimilation. <i>Plant Physiology</i> , 2008, 148, 1229-1237.	2.3	133
12	Sugarcane Functional Genomics: Gene Discovery for Agronomic Trait Development. <i>International Journal of Plant Genomics</i> , 2008, 2008, 1-11.	2.2	64
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16	The importance of nutritional regulation of plant water flux. <i>Oecologia</i> , 2009, 161, 15-24.	0.9	268
17	Expression Profile of Signal Transduction Components in a Sugarcane Population Segregating for Sugar Content. <i>Tropical Plant Biology</i> , 2009, 2, 98-109.	1.0	19
18	Impact of storage temperature and duration on sucrose catabolism in harvested sugarcane stalks. <i>Sugar Tech</i> , 2009, 11, 146-153.	0.9	4
19	Photosynthetic overcompensation under nocturnal warming enhances grassland carbon sequestration. <i>Ecology</i> , 2009, 90, 2700-2710.	1.5	213

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20	Temperature effect on carbon partitioning in two commercial cultivars of sugarcane. <i>Functional Plant Biology</i> , 2010, 37, 334.	1.1	12
21	Early Exposure to Ethylene Modifies Shoot Development and Increases Sucrose Accumulation Rate in Sugarcane. <i>Journal of Plant Growth Regulation</i> , 2010, 29, 149-163.	2.8	16
22	Sugarcane genetic engineering research in South Africa: From gene discovery to transgene expression. <i>Sugar Tech</i> , 2010, 12, 85-90.	0.9	5
23	Plant growth, canopy photosynthesis and light availability in three sugarcane varieties. <i>Sugar Tech</i> , 2010, 12, 160-166.	0.9	16
24	The Biotechnology Roadmap for Sugarcane Improvement. <i>Tropical Plant Biology</i> , 2010, 3, 75-87.	1.0	62
25	Can glyphosate stimulate photosynthesis?. <i>Pesticide Biochemistry and Physiology</i> , 2010, 96, 140-148.	1.6	79
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40	Metabolic and enzymatic changes associated with carbon mobilization, utilization and replenishment triggered in grain amaranth (<i>Amaranthus cruentus</i>) in response to partial defoliation by mechanical injury or insect herbivory. <i>BMC Plant Biology</i> , 2012, 12, 163.	1.6	47
41	Seasonal effects on the relationship between photosynthesis and leaf carbohydrates in orange trees. <i>Functional Plant Biology</i> , 2012, 39, 471.	1.1	29
42	Simulated Warming Differentially Affects the Growth and Competitive Ability of <i>Centaurea maculosa</i> Populations from Home and Introduced Ranges. <i>PLoS ONE</i> , 2012, 7, e31170.	1.1	10
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58	Does Don Fisher's high-pressure manifold model account for phloem transport and resource partitioning?. <i>Frontiers in Plant Science</i> , 2013, 4, 184.	1.7	47
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60	Are sucrose transporter expression profiles linked with patterns of biomass partitioning in Sorghum phenotypes?. <i>Frontiers in Plant Science</i> , 2013, 4, 223.	1.7	60
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101	Nitrogen differentially modulates photosynthesis, carbon allocation and yield related traits in two contrasting <i>Capsicum chinense</i> cultivars. <i>Plant Science</i> , 2019, 283, 224-237.	1.7	26
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119	Does defoliation frequency and severity influence plant productivity? The role of grazing management and soil nutrients. <i>African Journal of Range and Forage Science</i> , 2021, 38, 141-156.	0.6	8
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122	Do day and night warming exert different effects on growth and competitive interaction between invasive and native plants?. <i>Biological Invasions</i> , 2021, 23, 157-166.	1.2	9
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130	Ratoon Stunting Disease (<i>Leifsonia xyli</i> subsp. <i>xyli</i>) affects source-sink relationship in sugarcane by decreasing sugar partitioning to tillers. <i>Physiological and Molecular Plant Pathology</i> , 2021, 116, 101723.	1.3	5
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136	Sugarcane. , 2012, , 523-561.		3

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152	<i>Alkaline Î±-galactosidase 2</i> (<i>CsAGA2</i>) plays a pivotal role in mediating source-sink communication in cucumber. <i>Plant Physiology</i> , 2022, 189, 1501-1518.	2.3	18
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164	From Soil Amendments to Controlling Autophagy: Supporting Plant Metabolism under Conditions of Water Shortage and Salinity. <i>Plants</i> , 2022, 11, 1654.	1.6	1

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170	Photosynthetic compensation of maize in heterogeneous light is impaired by restricted photosynthate export. <i>Plant Physiology and Biochemistry</i> , 2022, 192, 50-56.	2.8	5
171	Overexpression of <i>Setaria italica</i> phosphoenolpyruvate carboxylase gene in rice positively impacts photosynthesis and agronomic traits. <i>Plant Physiology and Biochemistry</i> , 2023, 194, 169-181.	2.8	11
172	Organ-specific expression of genes associated with the UDP-glucose metabolism in sugarcane (<i>Saccharum</i> spp. hybrids). <i>BMC Genomics</i> , 2023, 24, .	1.2	6
173	Seasonal decline in leaf photosynthesis in perennial switchgrass explained by sink limitations and water deficit. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
174	Cropland and rooftops: the global undertapped potential for solar photovoltaics. <i>Environmental Research Letters</i> , 2023, 18, 054027.	2.2	1