

The Evolutionary Significance of Sugar Accumulation in

Australian Journal of Biological Sciences

16, 737

DOI: [10.1071/bi9630737](https://doi.org/10.1071/bi9630737)

Citation Report

#	ARTICLE	IF	CITATIONS
1	POLYGLUCOSIDE SYNTHESIS IN <i>Saccharum</i> SPECIES. <i>Annals of the New York Academy of Sciences</i> , 1973, 210, 64-79.	3.8	4
2	Sugar-cane as an Energy Crop. <i>Biotechnology and Genetic Engineering Reviews</i> , 1984, 1, 311-346.	6.2	18
3	Taxonomy and Evolution. <i>Developments in Crop Science</i> , 1987, 11, 7-84.	0.1	218
4	Anatomy and Morphology. <i>Developments in Crop Science</i> , 1987, 11, 85-142.	0.1	133
5	Developmental Changes in the Anatomy of the Sugarcane Stem in Relation to Phloem Unloading and Sucrose Storage. <i>Botanica Acta</i> , 1992, 105, 70-80.	1.6	94
6	The occurrence of trehalose in the leaves of the desiccation-tolerant angiosperm <i>Myrothamnus flabellifolius</i> welw.. <i>Journal of Plant Physiology</i> , 1993, 142, 493-496.	3.5	191
7	Temporal and Spatial Regulation of Sucrose Accumulation in the Sugarcane Stem. <i>Functional Plant Biology</i> , 1995, 22, 661.	2.1	170
8	A modified assay method shows leaf sucrose-phosphate synthase activity is correlated with leaf sucrose content across a range of sugarcane varieties. <i>Functional Plant Biology</i> , 1998, 25, 499.	2.1	20
9	Sugarcane. , 1999, , 287-310.		6
10	Sugarcane sucrose metabolism: scope for molecular manipulation. <i>Functional Plant Biology</i> , 2001, 28, 1.	2.1	18
11	Relationship between sucrose accumulation and activities of sucrose-phosphatase, sucrose synthase, neutral invertase and soluble acid invertase in micropropagated sugarcane plants. <i>Acta Physiologiae Plantarum</i> , 2002, 24, 441-446.	2.1	28
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14	Study on agroclimatic condition and productivity pattern of sugarcane in india. <i>Sugar Tech</i> , 2004, 6, 141-149.	1.8	5
15	Integration of sucrose accumulation processes across hierarchical scales: towards developing an understanding of the gene-to-crop continuum. <i>Field Crops Research</i> , 2005, 92, 119-135.	5.1	54
16	Sink strength regulates photosynthesis in sugarcane. <i>New Phytologist</i> , 2006, 171, 759-770.	7.3	185
17	The identification and characterisation of alleles of sucrose phosphate synthase gene family III in sugarcane. <i>Molecular Breeding</i> , 2006, 18, 39-50.	2.1	39
18	Transcriptome Analysis of The Sugarcane Genome For Crop Improvement. , 2007, , 483-494.		3

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19	Genomics-Assisted Crop Improvement. , 2007, , .		23
20	Doubled sugar content in sugarcane plants modified to produce a sucrose isomer. <i>Plant Biotechnology Journal</i> , 2007, 5, 109-117.	8.3	184
21	Production of polyhydroxybutyrate in sugarcane. <i>Plant Biotechnology Journal</i> , 2007, 5, 162-172.	8.3	94
22	Why does sugarcane (<i>Saccharum sp. hybrid</i>) grow slowly?. <i>South African Journal of Botany</i> , 2007, 73, 546-551.	2.5	43
23	Identification of transcripts associated with cell wall metabolism and development in the stem of sugarcane by Affymetrix GeneChip Sugarcane Genome Array expression profiling. <i>Functional and Integrative Genomics</i> , 2007, 7, 153-167.	3.5	106
24	Screen of Genes Linked to High-Sugar Content in Stems by Comparative Genomics. <i>Rice</i> , 2008, 1, 166-176.	4.0	38
26	Supply and demand: sink regulation of sugar accumulation in sugarcane. <i>Journal of Experimental Botany</i> , 2009, 60, 357-364.	4.8	129
27	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.	5.1	16
28	Downregulation of pyrophosphate: d-fructose-6-phosphate 1-phosphotransferase activity in sugarcane culms enhances sucrose accumulation due to elevated hexose-phosphate levels. <i>Planta</i> , 2010, 231, 595-608.	3.2	52
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31	Transgenic expression of trehalulose synthase results in high concentrations of the sucrose isomer trehalulose in mature stems of field-grown sugarcane. <i>Plant Biotechnology Journal</i> , 2011, 9, 32-37.	8.3	34
32	Sucrose accumulation in sugarcane: a potential target for crop improvement. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1571-1583.	2.1	15
33	Sucrose Mobilisation in Sugarcane Stalk Induced by Heterotrophic Axillary Bud Growth. <i>Tropical Plant Biology</i> , 2012, 5, 173-182.	1.9	15
34	Ethanol from sugarcane in Brazil: a "midway" strategy for increasing ethanol production while maximizing environmental benefits. <i>GCB Bioenergy</i> , 2012, 4, 119-126.	5.6	52
35	High-throughput assessment of transgene copy number in sugarcane using real-time quantitative PCR. <i>Plant Cell Reports</i> , 2012, 31, 167-177.	5.6	35
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40	Identification and genes expression analysis of ATP-dependent phosphofructokinase family members among three <i>Saccharum</i> species. <i>Functional Plant Biology</i> , 2013, 40, 369.	2.1	9

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41	Grain, sugar and biomass accumulation in tropical sorghums. I. Trade-offs and effects of phenological plasticity. <i>Functional Plant Biology</i> , 2013, 40, 342.	2.1	35
42	Preliminary Evaluation of Some Qualitative Traits of Sugarcane Germplasm of North-Western Nigeria. <i>Nigerian Journal of Basic and Applied Sciences</i> , 2013, 21, .	0.2	0
43	The potential of the energy cane as the main biomass crop for the cellulosic industry. <i>Chemical and Biological Technologies in Agriculture</i> , 2014, 1, .	4.6	69
44	Phenotypic characterization of the Miami World Collection of sugarcane (<i>Saccharum</i> spp.) and related grasses for selecting a representative core. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 1581-1596.	1.6	25
45	Sugarcane genome sequencing by methylation filtration provides tools for genomic research in the genus <i>Saccharum</i> . <i>Plant Journal</i> , 2014, 79, 162-172.	5.7	40
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49	Tissue-specific transcriptome analysis within the maturing sugarcane stalk reveals spatial regulation in the expression of cellulose synthase and sucrose transporter gene families. <i>Plant Molecular Biology</i> , 2015, 89, 607-628.	3.9	55
50	Metabolic Changes Associated with the Sink-Source Transition During Sprouting of the Axillary Buds on the Sugarcane Culm. <i>Tropical Plant Biology</i> , 2016, 9, 1-11.	1.9	16
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52	Development of a Three-Dimensional Ray-Tracing Model of Sugarcane Canopy Photosynthesis and Its Application in Assessing Impacts of Varied Row Spacing. <i>Bioenergy Research</i> , 2017, 10, 626-634.	3.9	31
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56	A novel Sugarcane bacilliform virus promoter confers gene expression preferentially in the vascular bundle and storage parenchyma of the sugarcane culm. <i>Biotechnology for Biofuels</i> , 2017, 10, 172.	6.2	9
57	Association of variation in the sugarcane transcriptome with sugar content. <i>BMC Genomics</i> , 2017, 18, 909.	2.8	41
58	A virus-derived short hairpin RNA confers resistance against sugarcane mosaic virus in transgenic sugarcane. <i>Transgenic Research</i> , 2018, 27, 203-210.	2.4	26
59	Culm transcriptome sequencing of Badila (<i>Saccharum officinarum</i> L.) and analysis of major genes involved in sucrose accumulation. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 455-465.	5.8	12

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66	Sugarcane Breeding for Enhanced Fiber and Its Impacts on Industrial Processes. , 0, , .		1
67	Introductory Chapter: Bioengineered Sugarcane - A Sustainable Biofactory of Renewable Energy. , 0, , .		0
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72	Promoting Utilization of <i>Saccharum</i> spp. Genetic Resources through Genetic Diversity Analysis and Core Collection Construction. PLoS ONE, 2014, 9, e110856.	2.5	51
73	CHANGES OF SUCROSE CONTENT AND INVERTASE ACTIVITY DURING SUGARCANE STEM STORAGE. Indonesian Journal of Agricultural Science, 2016, 8, 75.	0.3	15
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75	Blütenökologie und andere ökologische Sondergebiete. , 1965, , 484-497.		0
76	Blütenökologie und andere ökologische Sondergebiete. Progress in Botany Fortschritte Der Botanik, 1965, , 484-497.	0.3	1
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80	Quantitative and qualitative evaluation of novel energy cane accessions for sugar, bioenergy, 1 st and 2 nd ethanol production. <i>Industrial Crops and Products</i> , 2023, 203, 117163.	5.2	3
81	Comparative expression analysis of <i>sucrose phosphate synthase</i> gene family in a low and high sucrose Pakistani sugarcane cultivars. <i>PeerJ</i> , 0, 11, e15832.	2.0	0
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