

Chakravarthi Mohan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

786
citations

686830

13
h-index

642321

23
g-index

28
all docs

28
docs citations

28
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of EaDREB2 and pyramiding of EaDREB2 with the pea DNA helicase gene (PDH45) enhance drought and salinity tolerance in sugarcane (<i>Saccharum</i> spp. hybrid). <i>Plant Cell Reports</i> , 2015, 34, 247-263.	2.8	122
2	<i>Erianthus arundinaceus</i> HSP70 (EaHSP70) overexpression increases drought and salinity tolerance in sugarcane (<i>Saccharum</i> spp. hybrid). <i>Plant Science</i> , 2015, 232, 23-34.	1.7	94
3	Fruits as Prospective Reserves of bioactive Compounds: A Review. <i>Natural Products and Bioprospecting</i> , 2018, 8, 335-346.	2.0	89
4	Differential gene expression profiling through transcriptome approach of <i>Saccharum spontaneum</i> L. under low temperature stress reveals genes potentially involved in cold acclimation. <i>3 Biotech</i> , 2018, 8, 195.	1.1	67
5	De novo sequencing and transcriptome analysis of a low temperature tolerant <i>Saccharum spontaneum</i> clone IND 00-1037. <i>Journal of Biotechnology</i> , 2016, 231, 280-294.	1.9	60
6	Introduction of Pea DNA Helicase 45 into Sugarcane (<i>Saccharum</i> spp. Hybrid) Enhances Cell Membrane Thermostability and Upregulation of Stress-Responsive Genes Leads to Abiotic Stress Tolerance. <i>Molecular Biotechnology</i> , 2015, 57, 475-488.	1.3	45
7	Genome Editing in Sugarcane: Challenges Ahead. <i>Frontiers in Plant Science</i> , 2016, 7, 1542.	1.7	42
8	Multiallelic, Targeted Mutagenesis of Magnesium Chelatase With CRISPR/Cas9 Provides a Rapidly Scorable Phenotype in Highly Polyploid Sugarcane. <i>Frontiers in Genome Editing</i> , 2021, 3, 654996.	2.7	39
9	Vacuolar targeting of α -proteins in sugarcane leads to higher levels of purifiable commercially equivalent recombinant proteins in cane juice. <i>Plant Biotechnology Journal</i> , 2016, 14, 791-807.	4.1	34
10	Transgenic sugarcane overexpressing CaneCPI-1 negatively affects the growth and development of the sugarcane weevil <i>Sphenophorus levis</i> . <i>Plant Cell Reports</i> , 2017, 36, 193-201.	2.8	33
11	5' Regulatory region of ubiquitin 2 gene from <i>Porteresia coarctata</i> makes efficient promoters for transgene expression in monocots and dicots. <i>Plant Cell Reports</i> , 2013, 32, 1199-1210.	2.8	28
12	Overexpression of expansin EaEXPA1, a cell wall loosening protein enhances drought tolerance in sugarcane. <i>Industrial Crops and Products</i> , 2021, 159, 113035.	2.5	24
13	Construction of a novel synthetic root-specific promoter and its characterization in transgenic tobacco plants. <i>3 Biotech</i> , 2017, 7, 234.	1.1	19
14	Micropropagation of <i>Eucalyptus camaldulensis</i> for the production of rejuvenated stock plants for microcuttings propagation and genetic fidelity assessment. <i>New Forests</i> , 2015, 46, 357-371.	0.7	15
15	A novel PR10 promoter from <i>Erianthus arundinaceus</i> directs high constitutive transgene expression and is enhanced upon wounding in heterologous plant systems. <i>Molecular Biology Reports</i> , 2016, 43, 17-30.	1.0	13
16	Truncated Ubiquitin 5' Regulatory Region from <i>Erianthus arundinaceus</i> Drives Enhanced Transgene Expression in Heterologous Systems. <i>Molecular Biotechnology</i> , 2015, 57, 820-835.	1.3	12
17	Sugarcane cystatins: From discovery to biotechnological applications. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 676-686.	3.6	10
18	Gene Editing Technologies for Sugarcane Improvement: Opportunities and Limitations. <i>Sugar Tech</i> , 2022, 24, 369-385.	0.9	9

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19	hrNAi-mediated knock-down of <i>Sphenophorus levis</i> V-ATPase E in transgenic sugarcane (<i>Saccharum</i> spp) Tj ETQq1.1.0.784314 rgBT / DV	2.8	7
20	Immunogenicity of <i>Brugia malayi</i> Abundant Larval Transcript-2, a potential filarial vaccine candidate expressed in tobacco. <i>Plant Cell Reports</i> , 2014, 33, 179-188.	1.2	5
21	Learning from transgenics: Advanced gene editing technologies should also bridge the gap with traditional genetic selection. <i>Electronic Journal of Biotechnology</i> , 2019, 41, 22-29.	1.4	4
22	Immunodiagnostic Properties of <i>Wucheraria bancrofti</i> SXP-1, a Potential Filarial Diagnostic Candidate Expressed in Tobacco Plant, <i>Nicotiana tabacum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 1889-1903.		3
23	Methods of Sugarcane Transformation. , 2017, , 51-60.	0.6	2
24	<i>In silico</i> characterisation and homology modelling of a pathogenesis-related protein from <i>Saccharum arundinaceum</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2020, 53, 199-216.		1
25	Applications of Genome Engineering/Editing Tools in Plants. , 2019, , 143-165.		1
26	Current Transformation Methods for Genome Editing Applications in Energy Crop Sugarcane. , 2020, , 369-388.		0
27	Novel Potential Candidate Promoters and Advanced Strategies for Sugarcane Transformation. , 2017, , 75-85.		0
28	Development of Transgenic Sugarcane for Insect Resistance. , 2020, , 389-405.		0