Amaresh Chandra

List of Publications by Year
in descending order

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48	929	567281 15	501196 28
papers	citations	h-index	g-index

48	48	48	1096
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of excess zinc on growth parameters, cell division, nutrient accumulation, photosynthetic pigments and oxidative stress of sugarcane (Saccharum spp.). Acta Physiologiae Plantarum, 2010, 32, 979-986.	2.1	152
2	Identification of causal relationships among traits related to drought resistance in Stylosanthes scabra using QTL analysis. Journal of Experimental Botany, 2001, 52, 203-214.	4.8	79
3	Strategies to mitigate the adverse effect of drought stress on crop plantsâ€"influences of soil bacteria: A review. Pedosphere, 2021, 31, 496-509.	4.0	69
4	Development of a reverse transcription loop-mediated isothermal amplification (RT-LAMP) assay for the detection of Sugarcane mosaic virus and Sorghum mosaic virus in sugarcane. Journal of Virological Methods, 2015, 212, 23-29.	2.1	54
5	Physiological Changes and Expression of SOD and P5CS Genes in Response to Water Deficit in Sugarcane. Sugar Tech, 2015, 17, 276-282.	1.8	48
6	Effect of ploidy levels on the activities of Î"1-pyrroline-5-carboxylate synthetase, superoxide dismutase and peroxidase in Cenchrus species grown under water stress. Plant Physiology and Biochemistry, 2010, 48, 27-34.	5.8	40
7	Change in phenylalanine ammonia lyase activity and isozyme patterns of polyphenol oxidase and peroxidase by salicylic acid leading to enhance resistance in cowpea against Rhizoctonia solani. Acta Physiologiae Plantarum, 2007, 29, 361-367.	2.1	36
8	Expression analysis of genes associated with sucrose accumulation in sugarcane (Saccharum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 608-617.	3.8	32
9	Loop-mediated isothermal amplification (LAMP) based detection of Colletotrichum falcatum causing red rot in sugarcane. Molecular Biology Reports, 2015, 42, 1309-1316.	2.3	32
10	Isolation and molecular characterization of plant growth-promoting Bacillus spp. and their impact on sugarcane (Saccharum spp. hybrids) growth and tolerance towards drought stress. Acta Physiologiae Plantarum, 2018, 40, 1.	2.1	29
11	Variation in Drought Tolerance of Different Stylosanthes Accessions. Biologia Plantarum, 2004, 48, 457-460.	1.9	28
12	Whole genome sequence insight of two plant growth-promoting bacteria (B. subtilis BS87 and B.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 potentiality. Microbiological Research, 2021, 247, 126733.	5.3	28
13	Expression analysis of genes associated with sucrose accumulation and its effect on sourceâ€"sink relationship in high sucrose accumulating early maturing sugarcane variety. Physiology and Molecular Biology of Plants, 2019, 25, 207-220.	3.1	25
14	Assessment of ploidy level on stress tolerance of Cenchrus species based on leaf photosynthetic characteristics. Acta Physiologiae Plantarum, 2009, 31, 1003-1013.	2.1	18
15	Effect of salicylic acid on morphological and biochemical attributes in cowpea. Journal of Environmental Biology, 2007, 28, 193-6.	0.5	18
16	Physioâ€biochemical assessment and expression analysis of genes associated with drought tolerance in sugarcane (Saccharum spp. hybrids) exposed to <scp>GA</scp>₃ at grand growth stage. Plant Biology, 2019, 21, 45-53.	3.8	15
17	Evaluation of genus Cenchrus based on malondialdehyde, proline content, specific leaf area and carbon isotope discrimination for drought tolerance and divergence of species at DNA level. Acta Physiologiae Plantarum, 2007, 30, 53-61.	2.1	14
18	Physico-Chemical Method of Preserving Sucrose in Harvested Sugarcane at High Ambient Temperature in a Sub-Tropical Climate. Sugar Tech, 2011, 13, 60-67.	1.8	14

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19	Effect of Water Stress on Biochemical and Physiological Characteristics of Oat Genotypes. Journal of Agronomy and Crop Science, 1998, 181, 45-48.	3.5	13
20	Impact of Exogenously Applied Enzymes Effectors on Sucrose Metabolizing Enzymes (SPS, SS and SAI) and Sucrose Content in Sugarcane. Sugar Tech, 2013, 15, 370-378.	1.8	13
21	Exploiting EST databases for the development and characterisation of 3425 gene-tagged CISP markers in biofuel crop sugarcane and their transferability in cereals and orphan tropical grasses. BMC Research Notes, 2013, 6, 47.	1.4	12
22	DREBs-potential transcription factors involve in combating abiotic stress tolerance in plants. Biologia (Poland), 2021, 76, 3043-3055.	1.5	12
23	Expression analysis of genes associated with sucrose accumulation in sugarcane under normal and GA3-induced sourceâ€“sink perturbed conditions. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	11
24	Identification of New Leuconostoc Species Responsible for Post-harvest Sucrose Losses in Sugarcane. Sugar Tech, 2018, 20, 492-496.	1.8	11
25	Development and characterization of microsatellite markers from tropical forage Stylosanthes species and analysis of genetic variability and cross-species transferability. Genome, 2011, 54, 1016-1028.	2.0	10
26	Gibberellin-induced perturbation of sourceâ€“sink communication promotes sucrose accumulation in sugarcane. 3 Biotech, 2018, 8, 418.	2.2	10
27	Physiological Interventions for Enhancing Sugarcane and Sugar Productivity. Sugar Tech, 2015, 17, 215-226.	1.8	9
28	Microbiome analysis of rhizospheres of plant and winter-initiated ratoon crops of sugarcane grown in sub-tropical India: utility to improve ratoon crop productivity. 3 Biotech, 2021, 11, 34.	2.2	9
29	Soluble Acid Invertase (SAI) Activity and Gene Expression Controlling Sugar Composition in Sugarcane. Sugar Tech, 2017, 19, 669-674.	1.8	8
30	Plant growth promoting Bacillus-based bio formulations improve wheat rhizosphere biological activity, nutrient uptake and growth of the plant. Acta Physiologiae Plantarum, 2021, 43, 1.	2.1	8
31	Physio-Biochemical and Molecular Approaches to Enhance Sucrose Content in Sugarcane: Indian Initiatives. Sugar Tech, 2011, 13, 315-321.	1.8	7
32	Effect of ethephon and calcium chloride on growth and biochemical attributes of sugarcane bud chips. Acta Physiologiae Plantarum, 2011, 33, 905-910.	2.1	7
33	Detection of Puccinia kuehnii Causing Sugarcane Orange Rust with a Loop-Mediated Isothermal Amplification-Based Assay. Molecular Biotechnology, 2016, 58, 188-196.	2.4	7
34	Increase in Sink Demand in Response to Perturbed Sourceâ€“Sink Communication by Partial Shading in Sugarcane. Sugar Tech, 2019, 21, 672-677.	1.8	7
35	Polymorphism and Genotype-specific Markers for Dichanthium Identified by Random Amplified Polymorphic DNA. Genetic Resources and Crop Evolution, 2006, 53, 1521-1529.	1.6	6
36	Transcriptome analysis of the effect of GA3 in sugarcane culm. 3 Biotech, 2019, 9, 376.	2.2	6

#	Article	IF	Citations
37	Molecular Assessment of Variation in Stylosanthes fruticosa Accessions Employing STS and RAPD Markers. Cytologia, 2007, 72, 251-258.	0.6	5
38	Carbon isotope discrimination function analysis and drought tolerance of stylo species grown under rain-fed environment. Acta Physiologiae Plantarum, 2007, 30, 63-69.	2.1	5
39	Assessment of genetic diversity and morpho-physiological traits related to drought tolerance in Stylosanthes scabra. Acta Physiologiae Plantarum, 2013, 35, 3127-3136.	2.1	5
40	Changes in physio-biochemical attributes and dry matter accumulation vis a vis analysis of genes during drought and stress recovery at tillering stage of sugarcane. Acta Physiologiae Plantarum, 2022, 44, 1.	2.1	5
41	Bulk Genomic DNA PCR Analysis-A Rapid Method to Estimate Genetic Relatedness among Heterogeneous Lucerne (Medicago sativa L.) Cultivars. Cytologia, 2007, 72, 363-368.	0.6	4
42	Inhibitory Effect of Pre-harvest Foliar Application of Zinc Sulphate on Sucrose Inversion in the Harvested Sugarcane. Sugar Tech, 2015, 17, 322-324.	1.8	2
43	Early Accumulation of Sucrose and Expression Behavior of Genes Associated with Sucrose Accumulation in Sugarcane Ratoon Crop Exposed to Gibberellin Influencing Sourceâ€“sink Dynamics. Sugar Tech, 2021, 23, 697-703.	1.8	2
44	Partial Gene Sequence of Soluble Acid Invertase Gene from Saccharum spontaneum: A First Report. The National Academy of Sciences, India, 2014, 37, 317-323.	1.3	1
45	Identification and Validation of Differentially Expressing Transcripts from Top and Bottom Internodes of High-Sucrose Sugarcane Variety CoJ64. Sugar Tech, 2020, 22, 89-97.	1.8	1
46	Biochemical Profiling of Source and Sink Tissues at Different Growth Stages of Early and Late Maturing Varieties of Sugarcane (Saccharum spp. hybrids). Biosciences, Biotechnology Research Asia, 2018, 15, 611-618.	0.5	1
47	Morphological and nutritional diversity among accessions of marvel grass (Dichanthium annulatum) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	1
48	A highly contiguous reference genome assembly for Colletotrichum falcatum pathotype Cf08 causing red rot disease in sugarcane. 3 Biotech, 2021, 11, 148.	2.2	0