

Suneha Goswami

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

830
citations

471509

17
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of biochemical indicators and metabolites linked with rancidity and browning of pearl millet flour during storage. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2023, 32, 121-131.	1.7	1
2	Thermal treatments reduce rancidity and modulate structural and digestive properties of starch in pearl millet flour. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 207-216.	7.5	18
3	Nutritional supremacy of pearl- and foxtail millets: assessing the nutrient density, protein stability and shelf-life of flours in millets and cereals for developing nutri-stable foods. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2022, 31, 837-852.	1.7	7
4	Grain phenolics: critical role in quality, storage stability and effects of processing in major grain crops—a concise review. <i>European Food Research and Technology</i> , 2022, 248, 2197-2213.	3.3	6
5	Iron and Zinc at a cross-road: A trade-off between micronutrients and anti-nutritional factors in pearl millet flour for enhancing the bioavailability. <i>Journal of Food Composition and Analysis</i> , 2022, 111, 104591.	3.9	13
6	Role of ATP-binding cassette transporters in maintaining plant homeostasis under abiotic and biotic stresses. <i>Physiologia Plantarum</i> , 2021, 171, 785-801.	5.2	81
7	Protection from terminal heat stress: a trade-off between heat-responsive transcription factors (HSFs) and stress-associated genes (SAGs) under changing environment. <i>Cereal Research Communications</i> , 2021, 49, 227-234.	1.6	3
8	Weighted gene co-expression analysis for identification of key genes regulating heat stress in wheat. <i>Cereal Research Communications</i> , 2021, 49, 73-81.	1.6	7
9	Starch molecular configuration and starch-sugar homeostasis: Key determinants of sweet sensory perception and starch hydrolysis in pearl millet (<i>Pennisetum glaucum</i>). <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1087-1095.	7.5	15
10	Lipase – The fascinating dynamics of enzyme in seed storage and germination – A real challenge to pearl millet. <i>Food Chemistry</i> , 2021, 361, 130031.	8.2	23
11	Characterization of the starch synthase under terminal heat stress and its effect on grain quality of wheat. <i>3 Biotech</i> , 2020, 10, 531.	2.2	7
12	MAPK Enzymes: a ROS Activated Signaling Sensors Involved in Modulating Heat Stress Response, Tolerance and Grain Stability of Wheat under Heat Stress. <i>3 Biotech</i> , 2020, 10, 380.	2.2	20
13	Rancidity Matrix: Development of Biochemical Indicators for Analysing the Keeping Quality of Pearl Millet Flour. <i>Food Analytical Methods</i> , 2020, 13, 2147-2164.	2.6	21
14	Heterologous expression and characterization of novel manganese superoxide dismutase (Mn-SOD) – A potential biochemical marker for heat stress-tolerance in wheat (<i>Triticum aestivum</i>). <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1029-1039.	7.5	13
15	RuBisCo activase—a catalytic chaperone involved in modulating the RuBisCo activity and heat stress-tolerance in wheat. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 63-75.	1.7	26
16	NO protect the wheat embryo from oxidative damage by triggering the biochemical defence network and amylolytic activity. <i>Plant Physiology Reports</i> , 2019, 24, 35-45.	1.5	3
17	Gamma irradiation protect the developing wheat endosperm from oxidative damage by balancing the trade-off between the defence network and grains quality. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 637-648.	6.0	7
18	Quantitative proteomic analysis reveals novel stress-associated active proteins (SAAPs) and pathways involved in modulating tolerance of wheat under terminal heat. <i>Functional and Integrative Genomics</i> , 2019, 19, 329-348.	3.5	29

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19	Nitric oxide triggered defense network in wheat: Augmenting tolerance and grain-quality related traits under heat-induced oxidative damage. <i>Environmental and Experimental Botany</i> , 2019, 158, 189-204.	4.2	18
20	Characterization of novel heat-responsive transcription factor (TaHSFA6e) gene involved in regulation of heat shock proteins (HSPs) – A key member of heat stress-tolerance network of wheat. <i>Journal of Biotechnology</i> , 2018, 279, 1-12.	3.8	45
21	Induction of cell death by tospoviral protein NSs and the motif critical for cell death does not control RNA silencing suppression activity. <i>Virology</i> , 2017, 508, 108-117.	2.4	4
22	Exploring the heat-responsive chaperones and microsatellite markers associated with terminal heat stress tolerance in developing wheat. <i>Functional and Integrative Genomics</i> , 2017, 17, 621-640.	3.5	15
23	In planta silencing of NSs and Hc-Pro through RNAi constructs: to develop durable resistance. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 577-586.	0.8	3
24	miR430: the novel heat-responsive microRNA identified from miRNome analysis in wheat (<i>Triticum</i>)	0.8	6
25	Biochemical Defense Response: Characterizing the Plasticity of Source and Sink in Spring Wheat under Terminal Heat Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1603.	3.6	28
26	Identification of Putative RuBisCo Activase (TaRca1) – The Catalytic Chaperone Regulating Carbon Assimilatory Pathway in Wheat (<i>Triticum aestivum</i>) under the Heat Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 986.	3.6	38
27	SSH Analysis of Endosperm Transcripts and Characterization of Heat Stress Regulated Expressed Sequence Tags in Bread Wheat. <i>Frontiers in Plant Science</i> , 2016, 7, 1230.	3.6	14
28	The Stress of Suicide: Temporal and Spatial Expression of Putative Heat Shock Protein 70 Protect the Cells from Heat Injury in Wheat (<i>Triticum aestivum</i>). <i>Journal of Plant Growth Regulation</i> , 2016, 35, 65-82.	5.1	12
29	Calcium triggers protein kinases-induced signal transduction for augmenting the thermotolerance of developing wheat (<i>Triticum aestivum</i>) grain under the heat stress. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2015, 24, 441-452.	1.7	29
30	Harnessing Next Generation Sequencing in Climate Change: RNA-Seq Analysis of Heat Stress-Responsive Genes in Wheat (<i>Triticum aestivum</i> L.). <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 632-647.	2.0	50
31	Salicylic acid alleviates the heat stress-induced oxidative damage of starch biosynthesis pathway by modulating the expression of heat-stable genes and proteins in wheat (<i>Triticum aestivum</i>). <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	23
32	Novel and conserved heat-responsive microRNAs in wheat (<i>Triticum aestivum</i> L.). <i>Functional and Integrative Genomics</i> , 2015, 15, 323-348.	3.5	121
33	Ascorbic acid at pre-anthesis modulate the thermotolerance level of wheat (<i>Triticum aestivum</i>) pollen under heat stress. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2014, 23, 293-306.	1.7	28
34	Exogenous application of putrescine at pre-anthesis enhances the thermotolerance of wheat (<i>Triticum aestivum</i> L.). <i>Indian Journal of Biochemistry and Biophysics</i> , 2014, 51, 396-406.	0.0	15
35	Differential expression of heat shock protein and alteration in osmolyte accumulation under heat stress in wheat. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2013, 22, 16-26.	1.7	30
36	Characterization of differentially expressed stress-associated proteins in starch granule development under heat stress in wheat (<i>Triticum aestivum</i> L.). <i>Indian Journal of Biochemistry and Biophysics</i> , 2013, 50, 126-38.	0.0	25

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37	Interference in plant defense and development by non-structural protein NSs of Groundnut bud necrosis virus. <i>Virus Research</i> , 2012, 163, 368-373.	2.2	26
38	Insight into Genetic Mechanism and CDPK-Based Signalling Network Underlying Balanced Source to Sink Carbon Transfer in Wheat Under Multiple Stresses. <i>Journal of Plant Growth Regulation</i> , 0, , .	5.1	0