Archana Singh

List of Publications by Year
in descending order

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27	955	623734	580821
papers	citations	14	25
		h-index	g-index

27	27	27	1211
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure, matrix interactions, and molecular structure are the key determinants of inherent glycemic potential in pearl millet (Pennisetum glaucum). Food Hydrocolloids, 2022, 127, 107481.	10.7	12
2	Thermal treatments reduce rancidity and modulate structural and digestive properties of starch in pearl millet flour. International Journal of Biological Macromolecules, 2022, 195, 207-216.	7.5	18
3	Role of nutraceutical starch and proanthocyanidins of pigmented rice in regulating hyperglycemia: Enzyme inhibition, enhanced glucose uptake and hepatic glucose homeostasis using in vitro model. Food Chemistry, 2021, 335, 127505.	8.2	32
4	Quality matrix reveals the potential of Chak-hao as a nutritional supplement: a comparative study of matrix components, antioxidants and physicochemical attributes. Journal of Food Measurement and Characterization, 2021, 15, 826-840.	3.2	6
5	Allele mining for a drought responsive gene DRO1 determining root growth angle in donors of drought tolerance in rice (Oryza sativa L.). Physiology and Molecular Biology of Plants, 2021, 27, 523-534.	3.1	7
6	Plant growth regulator induced mitigation of oxidative burst helps in the management of drought stress in rice (Oryza sativa L.). Environmental and Experimental Botany, 2021, 185, 104413.	4.2	16
7	Starch-lipid interaction alters the molecular structure and ultimate starch bioavailability: A comprehensive review. International Journal of Biological Macromolecules, 2021, 182, 626-638.	7.5	44
8	Starch molecular configuration and starch-sugar homeostasis: Key determinants of sweet sensory perception and starch hydrolysis in pearl millet (Pennisetum glaucum). International Journal of Biological Macromolecules, 2021, 183, 1087-1095.	7.5	15
9	Pullulanase activity: A novel indicator of inherent resistant starch in rice (Oryza sativa. L). International Journal of Biological Macromolecules, 2020, 152, 1213-1223.	7.5	24
10	Cooking fat types alter the inherent glycaemic response of niche rice varieties through resistant starch (RS) formation. International Journal of Biological Macromolecules, 2020, 162, 1668-1681.	7.5	26
11	Protein and gene integration analysis through proteome and transcriptome brings new insight into salt stress tolerance in pigeonpea (Cajanus cajan L.). International Journal of Biological Macromolecules, 2020, 164, 3589-3602.	7.5	15
12	Starch accumulation in rice grains subjected to drought during grain filling stage. Plant Physiology and Biochemistry, 2019, 142, 440-451.	5.8	82
13	Insights into Salt Stress-Induced Biochemical, Molecular and Epigenetic Regulation of Spatial Responses in Pigeonpea (Cajanus cajan L.). Journal of Plant Growth Regulation, 2019, 38, 1545-1561.	5.1	15
14	Salt-Induced Tissue-Specific Cytosine Methylation Downregulates Expression of HKT Genes in Contrasting Wheat (Triticum aestivum L.) Genotypes. DNA and Cell Biology, 2017, 36, 283-294.	1.9	94
15	Elicitor-Induced Biochemical and Molecular Manifestations to Improve Drought Tolerance in Rice (Oryza sativa L.) through Seed-Priming. Frontiers in Plant Science, 2017, 8, 934.	3.6	59
16	Physiological, Biochemical, Epigenetic and Molecular Analyses of Wheat (Triticum aestivum) Genotypes with Contrasting Salt Tolerance. Frontiers in Plant Science, 2017, 8, 1151.	3.6	117
17	De novo Assembly and Characterization of Cajanus scarabaeoides (L.) Thouars Transcriptome by Paired-End Sequencing. Frontiers in Molecular Biosciences, 2017, 4, 48.	3.5	8
18	Low gamma irradiation effects on protein profile, solubility, oxidation, scavenger ability and bioavailability of essential minerals in black and yellow Indian soybean (Glycine max L.) varieties. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 49-57.	1.5	21

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19	Sodium chloride-induced spatial and temporal manifestation in membrane stability index and protein profiles of contrasting wheat (Triticum aestivum L.) genotypes under salt stress. Indian Journal of Plant Physiology, 2015, 20, 271-275.	0.8	14
20	High-frequency in vitro plant regeneration via callus induction in a rare sexual plant of Cenchrus ciliaris L.. In Vitro Cellular and Developmental Biology - Plant, 2015, 51, 28-34.	2.1	17
21	Induced defence responses of contrasting bread wheat genotypes under differential salt stress imposition. Indian Journal of Biochemistry and Biophysics, 2015, 52, 75-85.	0.0	11
22	A Comprehensive Transcriptome Assembly of Pigeonpea (Cajanus cajan L.) using Sanger and Second-Generation Sequencing Platforms. Molecular Plant, 2012, 5, 1020-1028.	8.3	87
23	The first draft of the pigeonpea genome sequence. Journal of Plant Biochemistry and Biotechnology, 2012, 21, 98-112.	1.7	167
24	Cloning and Characterization of Full-length Triticin cDNA and Genes from Wheat Varieties K-68 and Chinese Spring. Journal of Plant Biochemistry and Biotechnology, 2009, 18, 21-28.	1.7	0
25	Incompatibility of Cuscuta haustoria with the resistant hosts â€" Ipomoea batatas L. and Lycopersicon esculentum Mill.. Journal of Plant Physiology, 1997, 150, 592-596.	3.5	14
26	Cell wall degrading enzymes in Orobanche aegyptiaca and its host Brassica campestris. Physiologia Plantarum, 1993, 89, 177-181.	5.2	34
27	Binary Interactions and Starch Bioavailability: Critical in Limiting Glycemic Response. Biochemistry, 0, , .	1.2	0