

Subodh Kumar Sinha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nitrate Starvation Induced Changes in Root System Architecture, Carbon:Nitrogen Metabolism, and miRNA Expression in Nitrogen-Responsive Wheat Genotypes. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1299-1312.	2.9	78
2	Transcriptome Analysis of Two Rice Varieties Contrasting for Nitrogen Use Efficiency under Chronic N Starvation Reveals Differences in Chloroplast and Starch Metabolism-Related Genes. <i>Genes</i> , 2018, 9, 206.	2.4	65
3	Nutritional and antinutritional attributes of faba bean (<i>Vicia faba</i> L.) germplasms growing in Bihar, India. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 159-162.	3.1	31
4	Comparative RNA-Seq analysis unfolds a complex regulatory network imparting yellow mosaic disease resistance in mungbean [<i>Vigna radiata</i> (L.) R. Wilczek]. <i>PLoS ONE</i> , 2021, 16, e0244593.	2.5	31
5	Nitrogen Challenges and Opportunities for Agricultural and Environmental Science in India. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	29
6	Root architecture traits variation and nitrate-influx responses in diverse wheat genotypes under different external nitrogen concentrations. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 246-259.	5.8	22
7	Integration of Dual Stress Transcriptomes and Major QTLs from a Pair of Genotypes Contrasting for Drought and Chronic Nitrogen Starvation Identifies Key Stress Responsive Genes in Rice. <i>Rice</i> , 2021, 14, 49.	4.0	22
8	Natural variation in root system architecture in diverse wheat genotypes grown under different nitrate conditions and root growth media. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 223-234.	2.4	20
9	Genetic Dissection of Seedling Root System Architectural Traits in a Diverse Panel of Hexaploid Wheat through Multi-Locus Genome-Wide Association Mapping for Improving Drought Tolerance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7188.	4.1	20
10	Homeologue Specific Gene Expression Analysis of Two Vital Carbon Metabolizing Enzymes—Citrate Synthase and NADP-Isocitrate Dehydrogenase—from Wheat (<i>Triticum aestivum</i> L.) Under Nitrogen Stress. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 569-584.	2.9	15
11	External Nitrogen and Carbon Source-Mediated Response on Modulation of Root System Architecture and Nitrate Uptake in Wheat Seedlings. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 283-297.	5.1	13
12	Transcriptome Analysis Reveals Important Candidate Genes Related to Nutrient Reservoir, Carbohydrate Metabolism, and Defence Proteins during Grain Development of Hexaploid Bread Wheat and Its Diploid Progenitors. <i>Genes</i> , 2020, 11, 509.	2.4	12
13	RNAi induced gene silencing in crop improvement. <i>Physiology and Molecular Biology of Plants</i> , 2010, 16, 321-332.	3.1	11
14	Structure of replication initiator protein unites diverse viruses causing tomato leaf curl disease (ToLCD). <i>Plant Science</i> , 2004, 166, 1063-1067.	3.6	8
15	Comparative Analysis of GS2 and Fd-GOGAT Genes in Cultivated Wheat and Their Progenitors Under N Stress. <i>Plant Molecular Biology Reporter</i> , 2021, 39, 520-545.	1.8	8
16	Molecular Characterization of GS2 and Fd-GOGAT Homeologues and Their Biased Response to Nitrogen Stress in Bread Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2555-2569.	5.1	6
17	Differential response of rice genotypes to nitrogen availability is associated with the altered nitrogen metabolism and ionic balance. <i>Environmental and Experimental Botany</i> , 2022, 198, 104847.	4.2	6
18	Physio-molecular traits of contrasting bread wheat genotypes associated with 15N influx exhibiting homeolog expression bias in nitrate transporter genes under different external nitrate concentrations. <i>Planta</i> , 2022, 255, 104.	3.2	5

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19	Transcriptome data of cultivated tetraploid and hexaploid wheat variety during grain development. Data in Brief, 2019, 22, 551-556.	1.0	4
20	Nitrogen stress induced changes in root system architecture (RSA) in diverse wheat (<i>T. aestivum</i> L.) genotypes at seedling stage. Journal of Cereal Research, 2018, 10, .	0.2	4
21	Evaluation of Genetic Diversity in Faba bean (<i>Vicia faba</i> L.) Genotypes using Seed Protein and Isozymes Electrophoresis. The National Academy of Sciences, India, 2014, 37, 303-309.	1.3	3
22	Condensed tannin: a major anti-nutritional constituent of faba bean (<i>Vicia faba</i> L.). Horticulture International Journal, 2018, 2, .	0.1	3
23	Molecular Variability in the Replicase Gene of Viruses Causing Tomato Leaf Curl Disease in India. Journal of Plant Biochemistry and Biotechnology, 2004, 13, 43-46.	1.7	1
24	Nitrogen Stress Leads to Induce Change in Expression of Genes for Nitrate Transporter in Wheat Genotypes. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 2991-3002.	0.1	1
25	Meta-analysis of potential miRNA in <i>Triticum aestivum</i> reveals their genome biased association with different metabolisms EST based potential miRNA identification in wheat. , 2016, , .		0
26	Biochemical Characterization of Building Block of Condensed Tannin in Faba Bean (<i>Vicia faba</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf		0