Siddharth Tiwari

List of Publications by Year
in descending order

39	1,325	516561 16	395590 33
papers	citations	h-index	g-index

40	40	40	1630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CRISPR/Cas9-mediated efficient editing in phytoene desaturase (PDS) demonstrates precise manipulation in banana cv. Rasthali genome. Functional and Integrative Genomics, 2018, 18, 89-99.	1.4	203
2	RNAi-Mediated Downregulation of Inositol Pentakisphosphate Kinase (IPK1) in Wheat Grains Decreases Phytic Acid Levels and Increases Fe and Zn Accumulation. Frontiers in Plant Science, 2018, 9, 259.	1.7	180
3	Plants as bioreactors for the production of vaccine antigens. Biotechnology Advances, 2009, 27, 449-467.	6.0	163
4	CRISPR/Cas9 directed editing of lycopene epsilon-cyclase modulates metabolic flux for Î²-carotene biosynthesis in banana fruit. Metabolic Engineering, 2020, 59, 76-86.	3.6	144
5	Silencing ofABCC13transporter in wheat reveals its involvement in grain development, phytic acid accumulation and lateral root formation. Journal of Experimental Botany, 2016, 67, 4379-4389.	2.4	100
6	Differential expression of structural genes for the late phase of phytic acid biosynthesis in developing seeds of wheat (Triticum aestivum L.). Plant Science, 2014, 224, 74-85.	1.7	68
7	Expression of a synthetic cry1EC gene for resistance against Spodoptera litura in transgenic peanut (Arachis hypogaea L.). Plant Cell Reports, 2008, 27, 1017-1025.	2.8	51
8	Genome-Wide Identification and Expression Analysis of Homeodomain Leucine Zipper Subfamily IV (HDZ) Tj ETQq0 0 0 rgBT /Overlock 1	1.7	34
9	Genome-wide analysis of transcription factors during somatic embryogenesis in banana (Musa spp.) cv. Grand Naine. PLoS ONE, 2017, 12, e0182242.	1.1	33
10	Regulation of Banana Phytoene Synthase (MaPSY) Expression, Characterization and Their Modulation under Various Abiotic Stress Conditions. Frontiers in Plant Science, 2017, 8, 462.	1.7	30
11	Mutated TATA-box/TATA binding protein complementation system for regulated transgene expression in tobacco. Plant Journal, 2007, 50, 917-925.	2.8	26
12	Rabies glycoprotein fused with B subunit of cholera toxin expressed in tobacco plants folds into biologically active pentameric protein. Protein Expression and Purification, 2010, 70, 184-190.	0.6	25
13	Characterization and Expression Analysis of Phytoene Synthase from Bread Wheat (Triticum aestivum) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	23
14	Expression of Î´â€endotoxin Cry1EC from an inducible promoter confers insect protection in peanut (Arachis hypogaea L.) plants. Pest Management Science, 2011, 67, 137-145.	1.7	22
15	Optimization of factors for efficient recovery of transgenic peanut (Arachis hypogaea L.). Plant Cell, Tissue and Organ Culture, 2012, 109, 111-121.	1.2	19
16	Factors promoting efficient inÂvitro regeneration from de-embryonated cotyledon explants of Arachis hypogaea L.. Plant Cell, Tissue and Organ Culture, 2007, 92, 15-24.	1.2	18
17	In silico genome-wide identification and characterization of the glutathione S-transferase gene family in Vigna radiata. Genome, 2018, 61, 311-322.	0.9	17
18	Enhanced Agrobacterium-mediated transformation efficiency of banana cultivar Grand Naine by reducing oxidative stress. Scientia Horticulturae, 2019, 246, 675-685.	1.7	15

#	Article	IF	Citations
19	Metabolic engineering in food crops to enhance ascorbic acid production: crop biofortification perspectives for human health. Physiology and Molecular Biology of Plants, 2022, 28, 871-884.	1.4	15
20	High level expression of a functionally active cholera toxin B: rabies glycoprotein fusion protein in tobacco seeds. Plant Cell Reports, 2009, 28, 1827-1836.	2.8	14
21	Multiple shoot regeneration in seed-derived immature leaflet explants of peanut (Arachis hypogaea L.). Scientia Horticulturae, 2009, 121, 223-227.	1.7	14
22	Functional characterization of wheat myo-inositol oxygenase promoter under different abiotic stress conditions in Arabidopsis thaliana. Biotechnology Letters, 2020, 42, 2035-2047.	1.1	13
23	Biochemical characterization and spatio-temporal expression of myo-inositol oxygenase (MIOX) from wheat (Triticum aestivum L.). Plant Gene, 2015, 4, 10-19.	1.4	12
24	Optimization of regeneration and Agrobacterium-mediated transformation of Stevia (Stevia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T 16224.	1.6	12
25	Transgene-free genome editing supports CCD4 role as a negative regulator of Î²-carotene in banana. Journal of Experimental Botany, 2022, , .	2.4	11
26	Provitamin A Enrichment for Tackling Malnutrition. , 2016, , 277-299.		9
27	Identification and expression analysis of genes involved in somatic embryogenesis of banana. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	7
28	A bidirectional promoter from Papaya leaf crumple virus functions in both monocot and dicot plants. Physiological and Molecular Plant Pathology, 2019, 108, 101423.	1.3	6
29	Fruit crops improvement using CRISPR/Cas9 system. , 2020, , 131-145.		5
30	Carotenoid cleavage dioxygenases (HD-CCD1A and B) contribute as strong negative regulators of Î²-carotene in Indian bread wheat (cv. HD2967). 3 Biotech, 2021, 11, 221.	1.1	5
31	Comparative transcriptome analysis of unripe and ripe banana (cv. Nendran) unraveling genes involved in ripening and other related processes. PLoS ONE, 2021, 16, e0254709.	1.1	5
32	Analysis of TCP Transcription Factors Revealed Potential Roles in Plant Growth and Fusarium oxysporum f.sp. cubense Resistance in Banana (cv. Rasthali). Applied Biochemistry and Biotechnology, 2022, 194, 5456-5473.	1.4	5
33	Genome-Wide Identification and Analysis of GHMP Kinase Gene Superfamily in Bread Wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Ov	1.0	4
34	Correlation of carotenoid accumulation and expression pattern of carotenoid biosynthetic pathway genes in Indian wheat varieties. Journal of Cereal Science, 2021, 102, 103303.	1.8	4
35	Global Scenario of Vitamin Deficiency and Human Health. , 2020, , 199-220.		4
36	CRISPR/Cas9 mediated genome engineering in microbes and its application in plant beneficial effects. , 2020, , 351-359.		2

#	Article	IF	Citations
37	Development of Herbicide-Resistant Transgenic Stevia (Stevia rebaudiana Bertoni) as an Effective Weed-Management Strategy in Stevia Cultivation. Sugar Tech, 0, , 1.	0.9	2
38	Wheat TaVIT2D restores phenotype and mediates iron homeostasis during growth of Arabidopsis thaliana in iron-deficient conditions. Plant Physiology Reports, 2019, 24, 24-34.	0.7	1
39	Microbe-Mediated Genetic Engineering for Enhancement of Nutritional Value in Food Crops. Environmental and Microbial Biotechnology, 2020, , 19-53.	0.4	0