Siddharth Tiwari

List of Publications by Year in Descending Order

38 papers	808 citations	14 h-index	28 g-index
40 ext. papers	1,111 ext. citations	4.3 avg, IF	4.19 L-index

#	Paper	IF	Citations
38	Metabolic engineering in food crops to enhance ascorbic acid production: crop biofortification perspectives for human health.. *Physiology and Molecular Biology of Plants*, **2022**, 1-14	2.8	1
37	Carotenoid cleavage dioxygenases (HD-CCD1A and B) contribute as strong negative regulators of β-carotene in Indian bread wheat (cv. HD2967). *3 Biotech*, **2021**, 11, 221	2.8	0
36	Comparative transcriptome analysis of unripe and ripe banana (cv. Nendran) unraveling genes involved in ripening and other related processes. *PLoS ONE*, **2021**, 16, e0254709	3.7	3
35	Correlation of carotenoid accumulation and expression pattern of carotenoid biosynthetic pathway genes in Indian wheat varieties. *Journal of Cereal Science*, **2021**, 102, 103303	3.8	0
34	Contribution of Crop Biofortification in Mitigating Vitamin Deficiency Globally **2021**, 112-130		1
33	Fruit crops improvement using CRISPR/Cas9 system **2020**, 131-145		0
32	CRISPR/Cas9 directed editing of lycopene epsilon-cyclase modulates metabolic flux for β-carotene biosynthesis in banana fruit. *Metabolic Engineering*, **2020**, 59, 76-86	9.7	61
31	CRISPR/Cas9 mediated genome engineering in microbes and its application in plant beneficial effects **2020**, 351-359		1
30	Global Scenario of Vitamin Deficiency and Human Health **2020**, 199-220		0
29	Microbe-Mediated Genetic Engineering for Enhancement of Nutritional Value in Food Crops. *Environmental and Microbial Biotechnology*, **2020**, 19-53	1.4	
28	Optimization of regeneration and Agrobacterium-mediated transformation of Stevia (Stevia rebaudiana Bertoni): a commercially important natural sweetener plant. *Scientific Reports*, **2020**, 10, 16224	4.9	8
27	Genome-Wide Identification and Analysis of GHMP Kinase Gene Superfamily in Bread Wheat (Triticum aestivum L.). *Plant Molecular Biology Reporter*, **2020**, 39, 455	1.7	1
26	Functional characterization of wheat myo-inositol oxygenase promoter under different abiotic stress conditions in Arabidopsis thaliana. *Biotechnology Letters*, **2020**, 42, 2035-2047	3	5
25	A bidirectional promoter from Papaya leaf crumple virus functions in both monocot and dicot plants. *Physiological and Molecular Plant Pathology*, **2019**, 108, 101423	2.6	2
24	Wheat TaVIT2D restores phenotype and mediates iron homeostasis during growth of Arabidopsis thaliana in iron-deficient conditions. *Plant Physiology Reports*, **2019**, 24, 24-34	1.4	1
23	Enhanced Agrobacterium-mediated transformation efficiency of banana cultivar Grand Naine by reducing oxidative stress. *Scientia Horticulturae*, **2019**, 246, 675-685	4.1	6
22	In silico genome-wide identification and characterization of the glutathione S-transferase gene family in Vigna radiata. *Genome*, **2018**, 61, 311-322	2.4	10

21	RNAi-Mediated Downregulation of Inositol Pentakisphosphate Kinase () in Wheat Grains Decreases Phytic Acid Levels and Increases Fe and Zn Accumulation. *Frontiers in Plant Science*, **2018**, 9, 259	6.2	60
20	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	3.8	126
19	Identification and expression analysis of genes involved in somatic embryogenesis of banana. *Acta Physiologiae Plantarum*, **2018**, 40, 1	2.6	4
18	Genome-wide analysis of transcription factors during somatic embryogenesis in banana (Musa spp.) cv. Grand Naine. *PLoS ONE*, **2017**, 12, e0182242	3.7	21
17	Regulation of Banana Phytoene Synthase (MaPSY) Expression, Characterization and Their Modulation under Various Abiotic Stress Conditions. *Frontiers in Plant Science*, **2017**, 8, 462	6.2	22
16	Silencing of ABCC13 transporter in wheat reveals its involvement in grain development, phytic acid accumulation and lateral root formation. *Journal of Experimental Botany*, **2016**, 67, 4379-89	7	63
15	Characterization and Expression Analysis of Phytoene Synthase from Bread Wheat (Triticum aestivum L.). *PLoS ONE*, **2016**, 11, e0162443	3.7	14
14	Genome-Wide Identification and Expression Analysis of Homeodomain Leucine Zipper Subfamily IV (HDZ IV) Gene Family from Musa accuminata. *Frontiers in Plant Science*, **2016**, 7, 20	6.2	27
13	Provitamin A Enrichment for Tackling Malnutrition **2016**, 277-299		7
12	Biochemical characterization and spatio-temporal expression of myo-inositol oxygenase (MIOX) from wheat (Triticum aestivum L.). *Plant Gene*, **2015**, 4, 10-19	3.1	9
11	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	5.3	47
10	Optimization of factors for efficient recovery of transgenic peanut (Arachis hypogaea L.). *Plant Cell, Tissue and Organ Culture*, **2012**, 109, 111-121	2.7	16
9	Expression of endotoxin Cry1EC from an inducible promoter confers insect protection in peanut (Arachis hypogaea L.) plants. *Pest Management Science*, **2011**, 67, 137-45	4.6	19
8	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, 184-90	2	23
7	Plants as bioreactors for the production of vaccine antigens. *Biotechnology Advances*, **2009**, 27, 449-67	17.8	146
6	High level expression of a functionally active cholera toxin B: rabies glycoprotein fusion protein in tobacco seeds. *Plant Cell Reports*, **2009**, 28, 1827-36	5.1	13
5	Multiple shoot regeneration in seed-derived immature leaflet explants of peanut (Arachis hypogaea L.). *Scientia Horticulturae*, **2009**, 121, 223-227	4.1	11
4	Expression of a synthetic cry1EC gene for resistance against Spodoptera litura in transgenic peanut (Arachis hypogaea L.). *Plant Cell Reports*, **2008**, 27, 1017-25	5.1	43

3	Mutated TATA-box/TATA binding protein complementation system for regulated transgene expression in tobacco. *Plant Journal*, **2007**, 50, 917-25	6.9	24
2	Factors promoting efficient in vitro regeneration from de-embryonated cotyledon explants of Arachis hypogaea L.. *Plant Cell, Tissue and Organ Culture*, **2007**, 92, 15-24	2.7	12
1	Development of Herbicide-Resistant Transgenic Stevia (Stevia rebaudiana Bertoni) as an Effective Weed-Management Strategy in Stevia Cultivation. *Sugar Tech*,1	1.9	1