Jitendra Kumar

List of Publications by Year
in descending order

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44 papers	1,435 citations	471371 17 h-index	377752 34 g-index
46 all docs	46 docs citations	46 times ranked	1548 citing authors

#	Article	IF	Citations
1	Effects of Drought, Heat and Their Interaction on the Growth, Yield and Photosynthetic Function of Lentil (Lens culinaris Medikus) Genotypes Varying in Heat and Drought Sensitivity. Frontiers in Plant Science, 2017, 8, 1776.	1.7	199
2	Towards markerâ€assisted selection in pulses: a review. Plant Breeding, 2011, 130, 297-313.	1.0	156
3	Identification of High-Temperature Tolerant Lentil (Lens culinaris Medik.) Genotypes through Leaf and Pollen Traits. Frontiers in Plant Science, 2017, 8, 744.	1.7	101
4	Current knowledge in lentil genomics and its application for crop improvement. Frontiers in Plant Science, 2015, 6, 78.	1.7	93
5	Genome-wide QTL analysis for pre-harvest sprouting tolerance in bread wheat. Euphytica, 2009, 168, 319-329.	0.6	86
6	Influence of drought and heat stress, applied independently or in combination during seed development, on qualitative and quantitative aspects of seeds of lentil (<scp>Lens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (cul 2019, 42, 198-211.	2.8	86
7	Quantitative trait loci from identification to exploitation for crop improvement. Plant Cell Reports, 2017, 36, 1187-1213.	2.8	81
8	QTL analysis for grain colour and pre-harvest sprouting in bread wheat. Plant Science, 2009, 177, 114-122.	1.7	52
9	Inheritance and molecular tagging of MYMIV resistance gene in blackgram (Vigna mungo L. Hepper). Euphytica, 2013, 193, 27-37.	0.6	50
10	Current Knowledge on Genetic Biofortification in Lentil. Journal of Agricultural and Food Chemistry, 2016, 64, 6383-6396.	2.4	50
11	Impact of heat stress during seed filling on seed quality and seed yield in lentil (Lens culinaris) Tj ETQq1 1 0.784314 rgBT /Over	1.7	48
12	Towards Exploitation of Adaptive Traits for Climate-Resilient Smart Pulses. International Journal of Molecular Sciences, 2019, 20, 2971.	1.8	35
13	Analysis of genetic variability and genotypeâ€‰Ã—â€‰environment interactions for iron and zinc content among diverse genotypes of lentil. Journal of Food Science and Technology, 2018, 55, 3592-3605.	1.4	27
14	Diversification of indigenous gene- pool by using exotic germplasm in lentil (Lens culinaris Medikus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	24
15	Genomicsâ€assisted lentil breeding: Current status and future strategies. , 2021, 3, e71.		22
16	Identification of QTLs for agronomic traits using association mapping in lentil. Euphytica, 2018, 214, 1.	0.6	21
17	Association of functional markers with flowering time in lentil. Journal of Applied Genetics, 2018, 59, 9-21.	1.0	20
18	Physiological and molecular characterisation for high temperature stress in Lens culinaris. Functional Plant Biology, 2018, 45, 474.	1.1	20

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19	Breeding strategies to improve lentil for diverse agro-ecological environments. Indian Journal of Genetics and Plant Breeding, 2016, 76, 530.	0.2	18
20	Population structure analysis and determination of neurotoxin content in a set of grass pea (Lathyrus sativus L.) accessions of Bangladesh origin. Crop Journal, 2018, 6, 435-442.	2.3	15
21	Advances in Lentil Genomics. , 2014, , 111-130.		15
22	Plant Phenomics: An Overview. , 2015, , 1-10.		14
23	Genomics Enabled Breeding Strategies for Major Biotic Stresses in Pea (Pisum sativum L.). Frontiers in Plant Science, 2022, 13, .	1.7	14
24	Genetic Variability for Vitamin B9 and Total Dietary Fiber in Lentil (Lens culinarisL.) Cultivars. International Journal of Food Properties, 2016, 19, 936-943.	1.3	12
25	Breeding, genetics, and genomics for tolerance against terminal heat in lentil: Current status and future directions. , 2020, 2, e38.		12
26	Comprehensive <scp>RNAseq</scp> analysis for identification of genes expressed under heat stress in lentil. Physiologia Plantarum, 2021, 173, 1785-1807.	2.6	12
27	Estimation and multi-variate analysis of iron and zinc concentration in a diverse panel of urdbean (Vigna mungo L. Hepper) genotypes grown under differing soil conditions. Journal of Food Composition and Analysis, 2020, 93, 103605.	1.9	11
28	Prospects of next generation sequencing in lentil breeding. Molecular Biology Reports, 2020, 47, 9043-9053.	1.0	10
29	Rootâ€omics for drought tolerance in coolâ€season grain legumes. Physiologia Plantarum, 2021, 172, 629-644.	2.6	10
30	Single-trait, multi-locus and multi-trait GWAS using four different models for yield traits in bread wheat. Molecular Breeding, 2021, 41, 1.	1.0	10
31	Molecular Marker Assisted Gene Pyramiding. , 2019, , 125-139.		9
32	Heat Priming of Lentil (Lens culinaris Medik.) Seeds and Foliar Treatment with Î³-Aminobutyric Acid (GABA), Confers Protection to Reproductive Function and Yield Traits under High-Temperature Stress Environments. International Journal of Molecular Sciences, 2021, 22, 5825.	1.8	8
33	Genetic diversity changes in Indian lentils over the times. Journal of Plant Biochemistry and Biotechnology, 2018, 27, 415-424.	0.9	7
34	Breeding for Better Grain Quality in Lathyrus. , 2021, , 131-156.		7
35	Genomics Associated Interventions for Heat Stress Tolerance in Cool Season Adapted Grain Legumes. International Journal of Molecular Sciences, 2022, 23, 399.	1.8	7
36	Impact of reproductive duration on yield and its component traits in lentil. Legume Research, 2015, 38, 139.	0.0	6

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37	Morpho-Physiological Traits and Functional Markers Based Molecular Dissection of Heat-Tolerance in Urdbean. Frontiers in Plant Science, 2021, 12, 719381.	1.7	4
38	Effect of growing environments on the minerals and proximate composition of urdbeans (Vigna) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.9	4
39	Identification, development, and application of cross-species intron-spanning markers in lentil (Lens) Tj ETQq1 1 0.784314 rgBT /Over	2.3	3
40	Lentil Breeding in Genomic Era: Present Status and Future Prospects. , 2020, , 193-209.		3
41	Breeding for High-Yielding and Disease-Resistant Urdbean Cultivars. , 2020, , 173-191.		2
42	Reverse genetic approaches for breeding nutrient-rich and climate-resilient cereal and food legume crops. Heredity, 2022, , .	1.2	2
43	Genetic Potential of Lentil as a Nutritionally Rich Food Legume Crop. , 2021, , 83-98.		1
44	Breeding for Enhanced Nutrition Status in Food Legumes: Retrospects and Prospects. , 2021, , 1-15.		0