Rajeev Gupta

List of Publications by Year
in descending order

#	Article	IF	Citations
1	A vegetative storage protein improves drought tolerance in maize. Plant Biotechnology Journal, 2022, 20, 374-389.	8.3	14
2	GWAS identifies genetic loci underlying nitrogen responsiveness in the climate resilient C4 model Setaria italica (L.). Journal of Advanced Research, 2022, 42, 249-261.	9.5	6
3	Genetic Dissection and Quantitative Trait Loci Mapping of Agronomic and Fodder Quality Traits in Sorghum Under Different Water Regimes. Frontiers in Plant Science, 2022, 13, 810632.	3.6	5
4	Breeding Drought-Tolerant Pearl Millet Using Conventional and Genomic Approaches: Achievements and Prospects. Frontiers in Plant Science, 2022, 13, 781524.	3.6	16
5	Genetic Variation for Nitrogen Use Efficiency Traits in Global Diversity Panel and Parents of Mapping Populations in Pearl Millet. Frontiers in Plant Science, 2021, 12, 625915.	3.6	15
6	Nitrogen Challenges and Opportunities for Agricultural and Environmental Science in India. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	29
7	Nitrogen Use Efficiency in Sorghum: Exploring Native Variability for Traits Under Variable N-Regimes. Frontiers in Plant Science, 2021, 12, 643192.	3.6	13
8	Sorghum Pan-Genome Explores the Functional Utility for Genomic-Assisted Breeding to Accelerate the Genetic Gain. Frontiers in Plant Science, 2021, 12, 666342.	3.6	41
9	Genome-Wide Assessment of Population Structure and Genetic Diversity of the Global Finger Millet Germplasm Panel Conserved at the ICRISAT Genebank. Frontiers in Plant Science, 2021, 12, 692463.	3.6	3
10	Genome-Wide Association Studies (GWAS) for Traits Related to Fodder Quality and Biofuel in Sorghum: Progress and Prospects. Protein and Peptide Letters, 2021, 28, 843-854.	0.9	7
11	Genome-Wide Association Study for Major Biofuel Traits in Sorghum Using Minicore Collection. Protein and Peptide Letters, 2021, 28, 909-928.	0.9	4
12	Identification of heterotic groups in South-Asian-bred hybrid parents of pearl millet. Theoretical and Applied Genetics, 2020, 133, 873-888.	3.6	15
13	Exploitation of Heterosis in Pearl Millet: A Review. Plants, 2020, 9, 807.	3.5	15
14	Fine-Mapping of Sorghum Stay-Green QTL on Chromosome10 Revealed Genes Associated with Delayed Senescence. Genes, 2020, 11, 1026.	2.4	20
15	A sorghum practical haplotype graph facilitates genomeâ€wide imputation and costâ€effective genomic prediction. Plant Genome, 2020, 13, e20009.	2.8	54
16	Genomic Designing of Pearl Millet: A Resilient Crop for Arid and Semi-arid Environments. , 2020, , 221-286.		22
17	The maize <i>premature senesence2</i> encodes for <i>PHYTOCHROMEâ€DEPENDENT LATEâ€FLOWERING</i> and its expression modulation improves agronomic traits under abiotic stresses. Plant Direct, 2020, 4, e00295.	1.9	3
18	Mapping quantitative trait loci (QTLs) associated with resistance toÂmajor pathotype-isolates ofÂpearl millet downy mildew pathogen. European Journal of Plant Pathology, 2019, 154, 983-994.	1.7	13

#	Article	IF	Citations
19	Chitinase-like1 Plays a Role in Stalk Tensile Strength in Maize. Plant Physiology, 2019, 181, 1127-1147.	4.8	24
20	Discerning combining ability loci for divergent environments using chromosome segment substitution lines (CSSLs) in pearl millet. PLoS ONE, 2019, 14, e0218916.	2.5	12
21	Identification and characterization of a novel stayâ€green <scp>QTL</scp> that increases yield in maize. Plant Biotechnology Journal, 2019, 17, 2272-2285.	8.3	45
22	Genome-Wide Association Studies and Genomic Selection in Pearl Millet: Advances and Prospects. Frontiers in Genetics, 2019, 10, 1389.	2.3	60
23	Genetic variability, genotype Ã— environment interaction and correlation analysis for grain iron and zinc contents in recombinant inbred line population of pearl millet [Pennisetum glaucum (L). R.. Indian Journal of Genetics and Plant Breeding, 2019, 79, .	0.5	9
24	Phenotypic Data from Inbred Parents Can Improve Genomic Prediction in Pearl Millet Hybrids. G3: Genes, Genomes, Genetics, 2018, 8, 2513-2522.	1.8	41
25	Mapping Grain Iron and Zinc Content Quantitative Trait Loci in an Iniadi-Derived Immortal Population of Pearl Millet. Genes, 2018, 9, 248.	2.4	61
26	Genomic-Assisted Enhancement in Stress Tolerance for Productivity Improvement in Sorghum. , 2018, , 265-288.		2
27	Genomic Approaches to Enhance Stress Tolerance for Productivity Improvements in Pearl Millet. , 2018, , 239-264.		6
28	Towards Defining Heterotic Gene Pools in Pearl Millet [Pennisetum glaucum (L.) R. Br.]. Frontiers in Plant Science, 2017, 8, 1934.	3.6	42
29	Genomic Approaches for Abiotic Stress Tolerance in Sorghum. Compendium of Plant Genomes, 2016, , 169-187.	0.5	8
30	N distribution in maize plant as a marker for grain yield and limits on its remobilization after flowering. Plant Breeding, 2013, 132, 500-505.	1.9	35
31	Maize. , 2012, , 405-432.		3
32	Involvement of the MADS-Box Gene<i>ZMM4</i>in Floral Induction and Inflorescence Development in Maize Â Â. Plant Physiology, 2008, 147, 2054-2069.	4.8	117