Sateesh Kagale

List of Publications by Year
in descending order

40 papers	3,795 citations	331259 21 h-index	360668 35 g-index
44 all docs	44 docs citations	44 times ranked	5324 citing authors

#	Article	IF	Citations
1	Multiple wheat genomes reveal global variation in modern breeding. Nature, 2020, 588, 277-283.	13.7	513
2	Transcriptome and methylome profiling reveals relics of genome dominance in the mesopolyploid Brassica oleracea. Genome Biology, 2014, 15, R77.	13.9	456
3	Brassinosteroid confers tolerance in Arabidopsis thaliana and Brassica napus to a range of abiotic stresses. Planta, 2006, 225, 353-364.	1.6	446
4	EAR motif-mediated transcriptional repression in plants. Epigenetics, 2011, 6, 141-146.	1.3	390
5	The emerging biofuel crop Camelina sativa retains a highly undifferentiated hexaploid genome structure. Nature Communications, 2014, 5, 3706.	5.8	295
6	Genome-Wide Analysis of Ethylene-Responsive Element Binding Factor-Associated Amphiphilic Repression Motif-Containing Transcriptional Regulators in Arabidopsis. Plant Physiology, 2010, 152, 1109-1134.	2.3	262
7	Polyploid Evolution of the Brassicaceae during the Cenozoic Era Â Â. Plant Cell, 2014, 26, 2777-2791.	3.1	165
8	Drought Response in Wheat: Key Genes and Regulatory Mechanisms Controlling Root System Architecture and Transpiration Efficiency. Frontiers in Chemistry, 2017, 5, 106.	1.8	158
9	Antimicrobial activity and induction of systemic resistance in rice by leaf extract of Datura metel against Rhizoctonia solani and Xanthomonas oryzae pv. oryzae. Physiological and Molecular Plant Pathology, 2004, 65, 91-100.	1.3	154
10	Ancient orphan crop joins modern era: gene-based SNP discovery and mapping in lentil. BMC Genomics, 2013, 14, 192.	1.2	115
11	Targeted mutagenesis in wheat microspores using CRISPR/Cas9. Scientific Reports, 2018, 8, 6502.	1.6	98
12	A high-contiguity Brassica nigra genome localizes active centromeres and defines the ancestral Brassica genome. Nature Plants, 2020, 6, 929-941.	4.7	94
13	An EAR-Dependent Regulatory Module Promotes Male Germ Cell Division and Sperm Fertility in <i>Arabidopsis</i>. Plant Cell, 2014, 26, 2098-2113.	3.1	67
14	The developmental transcriptome atlas of the biofuel crop <i>Camelina sativa</i>. Plant Journal, 2016, 88, 879-894.	2.8	60
15	Dominant inhibition of awn development by a putative zincâ€finger transcriptional repressor expressed at the <i>B1</i> locus in wheat. New Phytologist, 2020, 225, 340-355.	3.5	58
16	Small yet effective. Plant Signaling and Behavior, 2010, 5, 691-694.	1.2	52
17	CRISPR/Cas9 gene editing in legume crops: Opportunities and challenges. , 2021, 3, e96.		49
18	Advanced domestication: harnessing the precision of gene editing in crop breeding. Plant Biotechnology Journal, 2021, 19, 660-670.	4.1	39

#	Article	IF	Citations
19	WheatCRISPR: a web-based guide RNA design tool for CRISPR/Cas9-mediated genome editing in wheat. BMC Plant Biology, 2019, 19, 474.	1.6	34
20	Assessing Diversity in the *Camelina* Genus Provides Insights into the Genome Structure of *Camelina sativa*. G3: Genes, Genomes, Genetics, 2020, 10, 1297-1308.	0.8	33
21	TMV-Gate vectors: Gateway compatible tobacco mosaic virus based expression vectors for functional analysis of proteins. Scientific Reports, 2012, 2, 874.	1.6	32
22	Induction of systemic resistance in rice by leaf extracts of *Zizyphus jujuba* and *Ipomoea carnea* against *Rhizoctonia solani*. Plant Signaling and Behavior, 2011, 6, 919-923.	1.2	30
23	Homologous recombination-mediated cloning and manipulation of genomic DNA regions using Gateway and recombineering systems. BMC Biotechnology, 2008, 8, 88.	1.7	21
24	GmMYB176 Regulates Multiple Steps in Isoflavonoid Biosynthesis in Soybean. Frontiers in Plant Science, 2019, 10, 562.	1.7	21
25	Evolutionary divergence in embryo and seed coat development of U's Triangle *Brassica* species illustrated by a spatiotemporal transcriptome atlas. New Phytologist, 2022, 233, 30-51.	3.5	16
26	Narrow genetic base shapes population structure and linkage disequilibrium in an industrial oilseed crop, Brassica carinata A. Braun. Scientific Reports, 2020, 10, 12629.	1.6	13
27	A Two-Step Method for Obtaining Highly Pure Cas9 Nuclease for Genome Editing, Biophysical, and Structural Studies. Methods and Protocols, 2018, 1, 17.	0.9	12
28	Genetic diversity and population structure of synthetic hexaploid-derived wheat (Triticum aestivum L.) accessions. Genetic Resources and Crop Evolution, 2019, 66, 335-348.	0.8	10
29	MeioCapture: an efficient method for staging and isolation of meiocytes in the prophase I sub-stages of meiosis in wheat. BMC Plant Biology, 2018, 18, 293.	1.6	9
30	Comparison of Five Major Trichome Regulatory Genes in Brassica villosa with Orthologues within the Brassicaceae. PLoS ONE, 2014, 9, e95877.	1.1	8
31	CRISPR/Cas9-Mediated Targeted Mutagenesis in Wheat Doubled Haploids. Methods in Molecular Biology, 2020, 2072, 183-198.	0.4	7
32	Genome, Transcriptome, and Germplasm Sequencing Uncovers Functional Variation in the Warm-Season Grain Legume Horsegram Macrotyloma uniflorum (Lam.) Verdc.. Frontiers in Plant Science, 2021, 12, 758119.	1.7	7
33	Oilseed Crop Productivity Under Salt Stress. , 2013, , 249-265.		6
34	Analysis of Genotyping-by-Sequencing (GBS) Data. Methods in Molecular Biology, 2016, 1374, 269-284.	0.4	6
35	Drought-Induced Regulatory Cascades and Their Effects on the Nutritional Quality of Developing Potato Tubers. Genes, 2020, 11, 864.	1.0	6
36	Legumes: Embracing the genome era. , 2021, 3, e113.		4

#	Article	IF	Citations
37	Isolating Male Meiocytes from Maize and Wheat for â€œ-Omicsâ€•Analyses. Methods in Molecular Biology, 2020, 2061, 237-258.	0.4	4
38	Enhancing Productivity and Performance of Oil Seed Crops under Environmental Stresses. , 2012, , 139-161.		3
39	Characterization of B-Genome Specific High Copy hAT MITE Families in Brassica nigra Genome. Frontiers in Plant Science, 2020, 11, 1104.	1.7	1
40	Wheat improvement using genome editing technology. BioTechniques, 2021, 71, 577-579.	0.8	0