

Shuangxia Jin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

3,308
citations

33
h-index

57
g-index

71
ext. papers

4,642
ext. citations

8.5
avg, IF

5.43
L-index

#	Paper	IF	Citations
70	Identification and Functional Analysis of lncRNA by CRISPR/Cas9 During the Cotton Response to Sap-Sucking Insect Infestation.. <i>Frontiers in Plant Science</i> , 2022 , 13, 784511	6.2	0
69	Chromosome-level genome of <i>Camellia lanceoleosa</i> provides a valuable resource for understanding genome evolution and self-incompatibility.. <i>Plant Journal</i> , 2022 ,	6.9	1
68	Development of an efficient and precise adenine base editor (ABE) with expanded target range in allotetraploid cotton (<i>Gossypium hirsutum</i>).. <i>BMC Biology</i> , 2022 , 20, 45	7.3	0
67	Plant Single Cell Transcriptome Hub (PsctH): an integrated online tool to explore the plant single-cell transcriptome landscape. <i>Plant Biotechnology Journal</i> , 2021 ,	11.6	1
66	Herbicide Resistance: Another Hot Agronomic Trait for Plant Genome Editing. <i>Plants</i> , 2021 , 10,	4.5	6
65	Overexpression of KcNHX1 gene confers tolerance to multiple abiotic stresses in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2021 , 134, 613-623	2.6	1
64	Cotton pan-genome retrieves the lost sequences and genes during domestication and selection. <i>Genome Biology</i> , 2021 , 22, 119	18.3	10
63	Structural insights into homotrimeric assembly of cellulose synthase CesA7 from <i>Gossypium hirsutum</i> . <i>Plant Biotechnology Journal</i> , 2021 , 19, 1579-1587	11.6	8
62	Genetic manipulation of Soc1-like genes promotes photosynthesis in flowers and leaves and enhances plant tolerance to high temperature. <i>Plant Biotechnology Journal</i> , 2021 , 19, 8-10	11.6	2
61	High-oleic acid content, nontransgenic allotetraploid cotton (<i>Gossypium hirsutum</i> L.) generated by knockout of GhFAD2 genes with CRISPR/Cas9 system. <i>Plant Biotechnology Journal</i> , 2021 , 19, 424-426	11.6	19
60	The application of temperature sensitivity CRISPR/LbCpf1 (LbCas12a) mediated genome editing in allotetraploid cotton (<i>G. hirsutum</i>) and creation of nontransgenic, gossypol-free cotton. <i>Plant Biotechnology Journal</i> , 2021 , 19, 221-223	11.6	11
59	The chromosome-scale high-quality genome assembly of <i>Panax notoginseng</i> provides insight into dencichine biosynthesis. <i>Plant Biotechnology Journal</i> , 2021 , 19, 869-871	11.6	8
58	Efficient CRISPR/Cas9 mediated Pooled-sgRNAs assembly accelerates targeting multiple genes related to male sterility in cotton. <i>Plant Methods</i> , 2021 , 17, 16	5.8	8
57	Green giant-a tiny chloroplast genome with mighty power to produce high-value proteins: history and phylogeny. <i>Plant Biotechnology Journal</i> , 2021 , 19, 430-447	11.6	26
56	Ectopic Expression of Enhanced Salt Tolerance Due to Accumulated Spd Content and Activation of Salt Tolerance-Related Genes in. <i>DNA and Cell Biology</i> , 2021 , 40, 1144-1157	3.6	0
55	Silencing of aLLIM gene in cotton exhibits enhanced resistance against <i>Apolygus lucorum</i> . <i>Journal of Cellular Physiology</i> , 2021 , 236, 5921-5936	7	0
54	The application of a heat-inducible CRISPR/Cas12b (C2c1) genome editing system in tetraploid cotton (<i>G. hirsutum</i>) plants. <i>Plant Biotechnology Journal</i> , 2020 , 18, 2436-2443	11.6	20

53	Transcriptome and metabolome analysis reveal that oral secretions from <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i> influence wound-induced host response in cotton. <i>Crop Journal</i> , 2020 , 8, 929-942	4.6	6
52	CRISPR/Cas Systems in Genome Editing: Methodologies and Tools for sgRNA Design, Off-Target Evaluation, and Strategies to Mitigate Off-Target Effects. <i>Advanced Science</i> , 2020 , 7, 1902312	13.6	79
51	Genome editing with the CRISPR-Cas system: an art, ethics and global regulatory perspective. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1651-1669	11.6	50
50	Transcriptomic profiles of non-embryogenic and embryogenic callus cells in a highly regenerative upland cotton line (<i>Gossypium hirsutum</i> L.). <i>BMC Developmental Biology</i> , 2020 , 20, 25	3.1	9
49	The <i>Acer truncatum</i> genome provides insights into nervonic acid biosynthesis. <i>Plant Journal</i> , 2020 , 104, 662-678	6.9	14
48	The chromosome-level wintersweet (<i>Chimonanthus praecox</i>) genome provides insights into floral scent biosynthesis and flowering in winter. <i>Genome Biology</i> , 2020 , 21, 200	18.3	23
47	Ectopic expression of GhSAMDC improved plant vegetative growth and early flowering through conversion of spermidine to spermine in tobacco. <i>Scientific Reports</i> , 2020 , 10, 14418	4.9	1
46	High-efficient and precise base editing of C to T in the allotetraploid cotton (<i>Gossypium hirsutum</i>) genome using a modified CRISPR/Cas9 system. <i>Plant Biotechnology Journal</i> , 2020 , 18, 45-56	11.6	63
45	Robust CRISPR/Cpf1 (Cas12a)-mediated genome editing in allotetraploid cotton (<i>Gossypium hirsutum</i>). <i>Plant Biotechnology Journal</i> , 2019 , 17, 1862-1864	11.6	46
44	Multi-omics analyses reveal epigenomics basis for cotton somatic embryogenesis through successive regeneration acclimation process. <i>Plant Biotechnology Journal</i> , 2019 , 17, 435-450	11.6	46
43	The chromosome-scale reference genome of black pepper provides insight into piperine biosynthesis. <i>Nature Communications</i> , 2019 , 10, 4702	17.4	62
42	CRISPR/Cas System: Recent Advances and Future Prospects for Genome Editing. <i>Trends in Plant Science</i> , 2019 , 24, 1102-1125	13.1	135
41	Genome-Wide Analysis of Cotton miRNAs During Whitefly Infestation Offers New Insights into Plant-Herbivore Interaction. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
40	Reference genome sequences of two cultivated allotetraploid cottons, <i>Gossypium hirsutum</i> and <i>Gossypium barbadense</i> . <i>Nature Genetics</i> , 2019 , 51, 224-229	36.3	266
39	Whole genome sequencing reveals rare off-target mutations and considerable inherent genetic or/and somaclonal variations in CRISPR/Cas9-edited cotton plants. <i>Plant Biotechnology Journal</i> , 2019 , 17, 858-868	11.6	96
38	High efficient multisites genome editing in allotetraploid cotton (<i>Gossypium hirsutum</i>) using CRISPR/Cas9 system. <i>Plant Biotechnology Journal</i> , 2018 , 16, 137-150	11.6	127
37	Red fluorescent protein (DsRed2), an ideal reporter for cotton genetic transformation and molecular breeding. <i>Crop Journal</i> , 2018 , 6, 366-376	4.6	7
36	Transcriptome, cytological and biochemical analysis of cytoplasmic male sterility and maintainer line in CMS-D8 cotton. <i>Plant Molecular Biology</i> , 2018 , 97, 537-551	4.6	19

35	Osmotin: A plant defense tool against biotic and abiotic stresses. <i>Plant Physiology and Biochemistry</i> , 2018 , 123, 149-159	5.4	48
34	Laccase GhLac1 Modulates Broad-Spectrum Biotic Stress Tolerance via Manipulating Phenylpropanoid Pathway and Jasmonic Acid Synthesis. <i>Plant Physiology</i> , 2018 , 176, 1808-1823	6.6	94
33	Asymmetric subgenome selection and cis-regulatory divergence during cotton domestication. <i>Nature Genetics</i> , 2017 , 49, 579-587	36.3	229
32	A transgenic strategy for controlling plant bugs (<i>Adelphocoris suturalis</i>) through expression of double-stranded RNA homologous to fatty acyl-coenzyme A reductase in cotton. <i>New Phytologist</i> , 2017 , 215, 1173-1185	9.8	26
31	GhABF2, a bZIP transcription factor, confers drought and salinity tolerance in cotton (<i>Gossypium hirsutum</i> L.). <i>Scientific Reports</i> , 2016 , 6, 35040	4.9	75
30	Metabolic engineering of cottonseed oil biosynthesis pathway via RNA interference. <i>Scientific Reports</i> , 2016 , 6, 33342	4.9	22
29	Overexpression of <i>Rosa rugosa</i> anthocyanidin reductase enhances tobacco tolerance to abiotic stress through increased ROS scavenging and modulation of ABA signaling. <i>Plant Science</i> , 2016 , 245, 35-49	5.3	34
28	Transgenic Bt cotton driven by the green tissue-specific promoter shows strong toxicity to lepidopteran pests and lower Bt toxin accumulation in seeds. <i>Science China Life Sciences</i> , 2016 , 59, 172-82	8.5	12
27	Transcriptome analysis reveals a comprehensive insect resistance response mechanism in cotton to infestation by the phloem feeding insect <i>Bemisia tabaci</i> (whitefly). <i>Plant Biotechnology Journal</i> , 2016 , 14, 1956-75	11.6	72
26	The <i>Sophora alopecuroides</i> H ⁺ -PPase Gene SaVP1 Confers Multiple Abiotic Stress Tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2015 , 33, 923-930	1.7	3
25	Engineered chloroplast dsRNA silences cytochrome p450 monooxygenase, V-ATPase and chitin synthase genes in the insect gut and disrupts <i>Helicoverpa zea</i> larval development and pupation. <i>Plant Biotechnology Journal</i> , 2015 , 13, 435-46	11.6	96
24	The Engineered Chloroplast Genome Just Got Smarter. <i>Trends in Plant Science</i> , 2015 , 20, 622-640	13.1	112
23	Transgenic Cotton Plants Expressing Double-stranded RNAs Target HMG-CoA Reductase (HMGR) Gene Inhibits the Growth, Development and Survival of Cotton Bollworms. <i>International Journal of Biological Sciences</i> , 2015 , 11, 1296-305	11.2	37
22	The genome sequence of Sea-Island cotton (<i>Gossypium barbadense</i>) provides insights into the allopolyploidization and development of superior spinnable fibres. <i>Scientific Reports</i> , 2015 , 5, 17662	4.9	181
21	Pyramiding Bt genes for increasing resistance of cotton to two major lepidopteran pests: <i>Spodoptera litura</i> and <i>Heliothis armigera</i> . <i>Acta Physiologiae Plantarum</i> , 2014 , 36, 2717-2727	2.6	14
20	Expression of Tocopherol methyltransferase in chloroplasts results in massive proliferation of the inner envelope membrane and decreases susceptibility to salt and metal-induced oxidative stresses by reducing reactive oxygen species. <i>Plant Biotechnology Journal</i> , 2014 , 12, 1274-85	11.6	51
19	Overexpression of rice NAC gene SNAC1 improves drought and salt tolerance by enhancing root development and reducing transpiration rate in transgenic cotton. <i>PLoS ONE</i> , 2014 , 9, e86895	3.7	139
18	Expression of fungal cutinase and swollenin in tobacco chloroplasts reveals novel enzyme functions and/or substrates. <i>PLoS ONE</i> , 2013 , 8, e57187	3.7	31

17	Release of proteins from intact chloroplasts induced by reactive oxygen species during biotic and abiotic stress. <i>PLoS ONE</i> , 2013 , 8, e67106	3.7	30
16	Isolation and characterization of a conserved domain in the eremophyte H ⁺ -PPase family. <i>PLoS ONE</i> , 2013 , 8, e70099	3.7	3
15	Pinellia ternata agglutinin expression in chloroplasts confers broad spectrum resistance against aphid, whitefly, Lepidopteran insects, bacterial and viral pathogens. <i>Plant Biotechnology Journal</i> , 2012 , 10, 313-27	11.6	58
14	Overexpression of Arabidopsis cyclin D2;1 in cotton results in leaf curling and other plant architectural modifications. <i>Plant Cell, Tissue and Organ Culture</i> , 2012 , 110, 261-273	2.7	12
13	Expression and characterization of antimicrobial peptides Retrocyclin-101 and Protegrin-1 in chloroplasts to control viral and bacterial infections. <i>Plant Biotechnology Journal</i> , 2011 , 9, 100-15	11.6	91
12	Release of hormones from conjugates: chloroplast expression of β-glucosidase results in elevated phytohormone levels associated with significant increase in biomass and protection from aphids or whiteflies conferred by sucrose esters. <i>Plant Physiology</i> , 2011 , 155, 222-35	6.6	81
11	Chloroplast-derived enzyme cocktails hydrolyse lignocellulosic biomass and release fermentable sugars. <i>Plant Biotechnology Journal</i> , 2010 , 8, 332-50	11.6	109
10	Vitrification-cryopreservation, an efficient method for eliminating Candidatus Liberobacter asiaticus, the citrus Huanglongbing pathogen, from in vitro adult shoot tips. <i>Plant Cell Reports</i> , 2008 , 27, 241-50	5.1	54
9	Detection of somaclonal variation of cotton (<i>Gossypium hirsutum</i>) using cytogenetics, flow cytometry and molecular markers. <i>Plant Cell Reports</i> , 2008 , 27, 1303-16	5.1	71
8	Analysis of genes differentially expressed during initial cellular dedifferentiation in cotton. <i>Science Bulletin</i> , 2008 , 53, 3666-3676		34
7	Chromatin reorganization and endogenous auxin/cytokinin dynamic activity during somatic embryogenesis of cultured cotton cell. <i>Plant Cell, Tissue and Organ Culture</i> , 2007 , 90, 63-70	2.7	22
6	Suitable internal control genes for qRT-PCR normalization in cotton fiber development and somatic embryogenesis. <i>Science Bulletin</i> , 2007 , 52, 3110-3117		64
5	An efficient grafting system for transgenic plant recovery in cotton (<i>Gossypium hirsutum</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2006 , 85, 181-185	2.7	30
4	Factors affecting transformation efficiency of embryogenic callus of Upland cotton (<i>Gossypium hirsutum</i>) with <i>Agrobacterium tumefaciens</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2005 , 81, 229-237	2.7	82
3	Factors affecting somatic embryogenesis and plant regeneration from a range of recalcitrant genotypes of Chinese cottons (<i>Gossypium hirsutum</i> L.). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004 , 40, 371-375	2.3	56
2	Production and characterization of somatic hybrids between upland cotton (<i>Gossypium hirsutum</i>) and wild cotton (<i>G. klotzschianum</i> Anderss) via electrofusion. <i>Theoretical and Applied Genetics</i> , 2004 , 109, 472-9	6	38
1	Somatic embryogenesis and plant regeneration in wild cotton (<i>Gossypium klotzschianum</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2003 , 75, 247-253	2.7	20