Jin-Long Qiu

List of Publications by Year
in descending order

35 papers	8,777 citations	218592 26 h-index	377752 34 g-index
35 all docs	35 docs citations	35 times ranked	7900 citing authors

#	Article	IF	Citations
1	Targeted genome modification of crop plants using a CRISPR-Cas system. Nature Biotechnology, 2013, 31, 686-688.	9.4	1,657
2	Simultaneous editing of three homoeoalleles in hexaploid bread wheat confers heritable resistance to powdery mildew. Nature Biotechnology, 2014, 32, 947-951.	9.4	1,635
3	Efficient and transgene-free genome editing in wheat through transient expression of CRISPR/Cas9 DNA or RNA. Nature Communications, 2016, 7, 12617.	5.8	710
4	Precise base editing in rice, wheat and maize with a Cas9-cytidine deaminase fusion. Nature Biotechnology, 2017, 35, 438-440.	9.4	690
5	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. Science, 2019, 364, 292-295.	6.0	491
6	The MAP kinase substrate MKS1 is a regulator of plant defense responses. EMBO Journal, 2005, 24, 2579-2589.	3.5	480
7	Arabidopsis MAP kinase 4 regulates gene expression through transcription factor release in the nucleus. EMBO Journal, 2008, 27, 2214-2221.	3.5	445
8	Progress and prospects in plant genome editing. Nature Plants, 2017, 3, 17107.	4.7	349
9	Efficient C-to-T base editing in plants using a fusion of nCas9 and human APOBEC3A. Nature Biotechnology, 2018, 36, 950-953.	9.4	310
10	Arabidopsis Mitogen-Activated Protein Kinase Kinases MKK1 and MKK2 Have Overlapping Functions in Defense Signaling Mediated by MEKK1, MPK4, and MKS1. Plant Physiology, 2008, 148, 212-222.	2.3	266
11	Targeted, random mutagenesis of plant genes with dual cytosine and adenine base editors. Nature Biotechnology, 2020, 38, 875-882.	9.4	259
12	High-efficiency prime editing with optimized, paired pegRNAs in plants. Nature Biotechnology, 2021, 39, 923-927.	9.4	189
13	Genome-edited powdery mildew resistance in wheat without growth penalties. Nature, 2022, 602, 455-460.	13.7	181
14	Genome editing of bread wheat using biolistic delivery of CRISPR/Cas9 in vitro transcripts or ribonucleoproteins. Nature Protocols, 2018, 13, 413-430.	5.5	179
15	MYB75 Phosphorylation by MPK4 Is Required for Light-Induced Anthocyanin Accumulation in Arabidopsis. Plant Cell, 2016, 28, 2866-2883.	3.1	166
16	Perfectly matched 20-nucleotide guide RNA sequences enable robust genome editing using high-fidelity SpCas9 nucleases. Genome Biology, 2017, 18, 191.	3.8	111
17	Genome editing for plant disease resistance: applications and perspectives. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180322.	1.8	95
18	Genome-wide specificity of prime editors in plants. Nature Biotechnology, 2021, 39, 1292-1299.	9.4	80

#	Article	IF	Citations
19	Modulating chromatin accessibility by transactivation and targeting proximal dsgRNAs enhances Cas9 editing efficiency in vivo. Genome Biology, 2019, 20, 145.	3.8	75
20	Identification and Characterization of ABA-Responsive MicroRNAs in Rice. Journal of Genetics and Genomics, 2015, 42, 393-402.	1.7	66
21	Precise, predictable multi-nucleotide deletions in rice and wheat using APOBECâ€“Cas9. Nature Biotechnology, 2020, 38, 1460-1465.	9.4	49
22	The chloride channel family gene CLCd negatively regulates pathogen-associated molecular pattern (PAMP)-triggered immunity in Arabidopsis. Journal of Experimental Botany, 2014, 65, 1205-1215.	2.4	46
23	Coimmunoprecipitation (co-IP) of Nuclear Proteins and Chromatin Immunoprecipitation (ChIP) from <i>Arabidopsis</i>. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5049.	0.2	38
24	SWISS: multiplexed orthogonal genome editing in plants with a Cas9 nickase and engineered CRISPR RNA scaffolds. Genome Biology, 2020, 21, 141.	3.8	38
25	Postinvasive Bacterial Resistance Conferred by Open Stomata in Rice. Molecular Plant-Microbe Interactions, 2019, 32, 255-266.	1.4	33
26	Abscisic acid negatively regulates post-penetration resistance of Arabidopsis to the biotrophic powdery mildew fungus. Science China Life Sciences, 2017, 60, 891-901.	2.3	29
27	Targeted mutagenesis in ryegrass (<i>Lolium</i> spp.) using the CRISPR/Cas9 system. Plant Biotechnology Journal, 2020, 18, 1854-1856.	4.1	25
28	Genome editing in plants with MAD7 nuclease. Journal of Genetics and Genomics, 2021, 48, 444-451.	1.7	25
29	Fusing T5 exonuclease with Cas9 and Cas12a increases the frequency and size of deletion at target sites. Science China Life Sciences, 2020, 63, 1918-1927.	2.3	23
30	Direct Modulation of Protein Level in Arabidopsis. Molecular Plant, 2013, 6, 1711-1714.	3.9	11
31	Shortening the sgRNA-DNA interface enables SpCas9 and eSpCas9(1.1) to nick the target DNA strand. Science China Life Sciences, 2020, 63, 1619-1630.	2.3	10
32	Highly efficient genome editing in <i>Xanthomonas oryzae</i> pv.Â<i>oryzae</i> through repurposing the endogenous type Iâ€CÂCRISPRâ€Cas system. Molecular Plant Pathology, 2022, 23, 583-594.	2.0	8
33	The roles of anion channels inArabidopsisimmunity. Plant Signaling and Behavior, 2014, 9, e29230.	1.2	4
34	Direct and tunable modulation of protein levels in rice and wheat with a synthetic small molecule. Plant Biotechnology Journal, 2018, 16, 472-481.	4.1	3
35	Being tough: The secret weapon of plants against vascular pathogens. Molecular Plant, 2022, 15, 934-936.	3.9	1