

Jin-Long Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

8,777
citations

218677

26
h-index

377865

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. <i>Nature Biotechnology</i> , 2013, 31, 686-688.	17.5	1,657
2	Simultaneous editing of three homoeoalleles in hexaploid bread wheat confers heritable resistance to powdery mildew. <i>Nature Biotechnology</i> , 2014, 32, 947-951.	17.5	1,635
3	Efficient and transgene-free genome editing in wheat through transient expression of CRISPR/Cas9 DNA or RNA. <i>Nature Communications</i> , 2016, 7, 12617.	12.8	710
4	Precise base editing in rice, wheat and maize with a Cas9-cytidine deaminase fusion. <i>Nature Biotechnology</i> , 2017, 35, 438-440.	17.5	690
5	Cytosine, but not adenine, base editors induce genome-wide off-target mutations in rice. <i>Science</i> , 2019, 364, 292-295.	12.6	491
6	The MAP kinase substrate MKS1 is a regulator of plant defense responses. <i>EMBO Journal</i> , 2005, 24, 2579-2589.	7.8	480
7	Arabidopsis MAP kinase 4 regulates gene expression through transcription factor release in the nucleus. <i>EMBO Journal</i> , 2008, 27, 2214-2221.	7.8	445
8	Progress and prospects in plant genome editing. <i>Nature Plants</i> , 2017, 3, 17107.	9.3	349
9	Efficient C-to-T base editing in plants using a fusion of nCas9 and human APOBEC3A. <i>Nature Biotechnology</i> , 2018, 36, 950-953.	17.5	310
10	Arabidopsis Mitogen-Activated Protein Kinase Kinases MKK1 and MKK2 Have Overlapping Functions in Defense Signaling Mediated by MEKK1, MPK4, and MKS1. <i>Plant Physiology</i> , 2008, 148, 212-222.	4.8	266
11	Targeted, random mutagenesis of plant genes with dual cytosine and adenine base editors. <i>Nature Biotechnology</i> , 2020, 38, 875-882.	17.5	259
12	High-efficiency prime editing with optimized, paired pegRNAs in plants. <i>Nature Biotechnology</i> , 2021, 39, 923-927.	17.5	189
13	Genome-edited powdery mildew resistance in wheat without growth penalties. <i>Nature</i> , 2022, 602, 455-460.	27.8	181
14	Genome editing of bread wheat using biolistic delivery of CRISPR/Cas9 in vitro transcripts or ribonucleoproteins. <i>Nature Protocols</i> , 2018, 13, 413-430.	12.0	179
15	MYB75 Phosphorylation by MPK4 Is Required for Light-Induced Anthocyanin Accumulation in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 2866-2883.	6.6	166
16	Perfectly matched 20-nucleotide guide RNA sequences enable robust genome editing using high-fidelity SpCas9 nucleases. <i>Genome Biology</i> , 2017, 18, 191.	8.8	111
17	Genome editing for plant disease resistance: applications and perspectives. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180322.	4.0	95
18	Genome-wide specificity of prime editors in plants. <i>Nature Biotechnology</i> , 2021, 39, 1292-1299.	17.5	80

#	ARTICLE	IF	CITATIONS
19	Modulating chromatin accessibility by transactivation and targeting proximal dsRNAs enhances Cas9 editing efficiency in vivo. <i>Genome Biology</i> , 2019, 20, 145.	8.8	75
20	Identification and Characterization of ABA-Responsive MicroRNAs in Rice. <i>Journal of Genetics and Genomics</i> , 2015, 42, 393-402.	3.9	66
21	Precise, predictable multi-nucleotide deletions in rice and wheat using APOBEC3-Cas9. <i>Nature Biotechnology</i> , 2020, 38, 1460-1465.	17.5	49
22	The chloride channel family gene CLCd negatively regulates pathogen-associated molecular pattern (PAMP)-triggered immunity in Arabidopsis. <i>Journal of Experimental Botany</i> , 2014, 65, 1205-1215.	4.8	46
23	Coimmunoprecipitation (co-IP) of Nuclear Proteins and Chromatin Immunoprecipitation (ChIP) from Arabidopsis. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.prot5049.	0.3	38
24	SWISS: multiplexed orthogonal genome editing in plants with a Cas9 nickase and engineered CRISPR RNA scaffolds. <i>Genome Biology</i> , 2020, 21, 141.	8.8	38
25	Postinvasive Bacterial Resistance Conferred by Open Stomata in Rice. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 255-266.	2.6	33
26	Abscisic acid negatively regulates post-penetration resistance of Arabidopsis to the biotrophic powdery mildew fungus. <i>Science China Life Sciences</i> , 2017, 60, 891-901.	4.9	29
27	Targeted mutagenesis in ryegrass (<i>Lolium</i> spp.) using the CRISPR/Cas9 system. <i>Plant Biotechnology Journal</i> , 2020, 18, 1854-1856.	8.3	25
28	Genome editing in plants with MAD7 nuclease. <i>Journal of Genetics and Genomics</i> , 2021, 48, 444-451.	3.9	25
29	Fusing T5 exonuclease with Cas9 and Cas12a increases the frequency and size of deletion at target sites. <i>Science China Life Sciences</i> , 2020, 63, 1918-1927.	4.9	23
30	Direct Modulation of Protein Level in Arabidopsis. <i>Molecular Plant</i> , 2013, 6, 1711-1714.	8.3	11
31	Shortening the sgRNA-DNA interface enables SpCas9 and eSpCas9(1.1) to nick the target DNA strand. <i>Science China Life Sciences</i> , 2020, 63, 1619-1630.	4.9	10
32	Highly efficient genome editing in <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> through repurposing the endogenous type I CRISPR-Cas system. <i>Molecular Plant Pathology</i> , 2022, 23, 583-594.	4.2	8
33	The roles of anion channels in Arabidopsis immunity. <i>Plant Signaling and Behavior</i> , 2014, 9, e29230.	2.4	4
34	Direct and tunable modulation of protein levels in rice and wheat with a synthetic small molecule. <i>Plant Biotechnology Journal</i> , 2018, 16, 472-481.	8.3	3
35	Being tough: The secret weapon of plants against vascular pathogens. <i>Molecular Plant</i> , 2022, 15, 934-936.	8.3	1