Xu Tang

List of Publications by Year
in descending order

25 papers	2,722 citations	430874 18 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	2430 citing authors

#	Article	IF	Citations
1	A CRISPR/Cas9 Toolbox for Multiplexed Plant Genome Editing and Transcriptional Regulation. Plant Physiology, 2015, 169, 971-985.	4.8	532
2	A CRISPRâ€"Cpf1 system for efficient genome editing and transcriptional repression in plants. Nature Plants, 2017, 3, 17018.	9.3	425
3	A large-scale whole-genome sequencing analysis reveals highly specific genome editing by both Cas9 and Cpf1 (Cas12a) nucleases in rice. Genome Biology, 2018, 19, 84.	8.8	230
4	Application of CRISPR-Cas12a temperature sensitivity for improved genome editing in rice, maize, and Arabidopsis. BMC Biology, 2019, 17, 9.	3.8	172
5	CRISPR-Cas9 Based Genome Editing Reveals New Insights into MicroRNA Function and Regulation in Rice. Frontiers in Plant Science, 2017, 8, 1598.	3.6	150
6	Plant Prime Editors Enable Precise Gene Editing inÂRice Cells. Molecular Plant, 2020, 13, 667-670.	8.3	148
7	A Single Transcript CRISPR-Cas9 System for Efficient Genome Editing in Plants. Molecular Plant, 2016, 9, 1088-1091.	8.3	144
8	PAM-less plant genome editing using a CRISPRâ€"SpRY toolbox. Nature Plants, 2021, 7, 25-33.	9.3	140
9	Plant Genome Editing Using FnCpf1 and LbCpf1 Nucleases at Redefined and Altered PAM Sites. Molecular Plant, 2018, 11, 999-1002.	8.3	136
10	Multiplex QTL editing of grain-related genes improves yield in elite rice varieties. Plant Cell Reports, 2019, 38, 475-485.	5.6	136
11	Single transcript unit <scp>CRISPR</scp> 2.0 systems for robust Cas9 and Cas12a mediated plant genome editing. Plant Biotechnology Journal, 2019, 17, 1431-1445.	8.3	120
12	Expanding the scope of plant genome engineering with Cas12a orthologs and highly multiplexable editing systems. Nature Communications, 2021, 12, 1944.	12.8	79
13	Effective screen of CRISPR/Cas9-induced mutants in rice by single-strand conformation polymorphism. Plant Cell Reports, 2016, 35, 1545-1554.	5.6	74
14	Improved plant cytosine base editors with high editing activity, purity, and specificity. Plant Biotechnology Journal, 2021, 19, 2052-2068.	8.3	55
15	Bidirectional Promoter-Based CRISPR-Cas9 Systems for Plant Genome Editing. Frontiers in Plant Science, 2019, 10, 1173.	3.6	39
16	Efficient deletion of multiple circle RNA loci by CRISPRâ€Cas9 reveals <i>Os06circ02797</i> as a putative sponge for <i>OsMIR408</i> in rice. Plant Biotechnology Journal, 2021, 19, 1240-1252.	8.3	37
17	CRISPRâ€Cas9 mediated <i>OsMIR168a</i> knockout reveals its pleiotropy in rice. Plant Biotechnology Journal, 2022, 20, 310-322.	8.3	32
18	Genomeâ€wide analyses of PAMâ€relaxed Cas9 genome editors reveal substantial offâ€target effects by ABE8e in rice. Plant Biotechnology Journal, 2022, 20, 1670-1682.	8.3	23

#	Article	IF	Citations
19	Intron-Based Single Transcript Unit CRISPR Systems for Plant Genome Editing. Rice, 2020, 13, 8.	4.0	22
20	The Improvement of CRISPR-Cas9 System With Ubiquitin-Associated Domain Fusion for Efficient Plant Genome Editing. Frontiers in Plant Science, 2020, 11, 621.	3.6	12
21	Rapid Vector Construction and Assessment of BE3 and Target-AID C to T Base Editing Systems in Rice Protoplasts. Methods in Molecular Biology, 2021, 2238, 95-113.	0.9	5
22	A Single Transcript CRISPR-Cas9 System for Multiplex Genome Editing in Plants. Methods in Molecular Biology, 2019, 1917, 75-82.	0.9	3
23	Single Transcript Unit CRISPR 2.0 Systems for Genome Editing in Rice. Methods in Molecular Biology, 2021, 2238, 193-204.	0.9	2
24	Construction of a Single Transcriptional Unit for Expression of Cas9 and Single-guide RNAs for Genome Editing in Plants. Bio-protocol, 2017, 7, e2546.	0.4	2
25	Optimal Power Allocation Strategy for a MIMO-Integrated Radar and Communication System Based OFDM Waveform. , 2022, , .		2