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	CRISPRâ€Cas9 mediated <i>OsMIR168a</i> knockout reveals its pleiotropy in rice. Plant Biotechnology Journal, 2022, 20, 310-322.	8.3	32
2	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
3	Optimal Power Allocation Strategy for a MIMO-Integrated Radar and Communication System Based OFDM Waveform. , 2022, , .		2
4	Single Transcript Unit CRISPR 2.0 Systems for Genome Editing in Rice. Methods in Molecular Biology, 2021, 2238, 193-204.	0.9	2
5	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
6	Expanding the scope of plant genome engineering with Cas12a orthologs and highly multiplexable editing systems. Nature Communications, 2021, 12, 1944.	12.8	79
7	Improved plant cytosine base editors with high editing activity, purity, and specificity. Plant Biotechnology Journal, 2021, 19, 2052-2068.	8.3	55
8	PAM-less plant genome editing using a CRISPRâ€"SpRY toolbox. Nature Plants, 2021, 7, 25-33.	9.3	140
9	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
10	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
11	Plant Prime Editors Enable Precise Gene Editing inÂRice Cells. Molecular Plant, 2020, 13, 667-670.	8.3	148
12	Intron-Based Single Transcript Unit CRISPR Systems for Plant Genome Editing. Rice, 2020, 13, 8.	4.0	22
13	Bidirectional Promoter-Based CRISPR-Cas9 Systems for Plant Genome Editing. Frontiers in Plant Science, 2019, 10, 1173.	3.6	39
14	Multiplex QTL editing of grain-related genes improves yield in elite rice varieties. Plant Cell Reports, 2019, 38, 475-485.	5.6	136
15	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
16	A Single Transcript CRISPR-Cas9 System for Multiplex Genome Editing in Plants. Methods in Molecular Biology, 2019, 1917, 75-82.	0.9	3
17	Application of CRISPR-Cas12a temperature sensitivity for improved genome editing in rice, maize, and Arabidopsis. BMC Biology, 2019, 17, 9.	3.8	172
18	Plant Genome Editing Using FnCpf1 and LbCpf1 Nucleases at Redefined and Altered PAM Sites. Molecular Plant, 2018, 11, 999-1002.	8.3	136

#	Article	IF	Citations
19	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
20	A CRISPRâ€“Cpf1 system for efficient genome editing and transcriptional repression in plants. Nature Plants, 2017, 3, 17018.	9.3	425
21	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
22	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
23	A Single Transcript CRISPR-Cas9 System for Efficient Genome Editing in Plants. Molecular Plant, 2016, 9, 1088-1091.	8.3	144
24	Effective screen of CRISPR/Cas9-induced mutants in rice by single-strand conformation polymorphism. Plant Cell Reports, 2016, 35, 1545-1554.	5.6	74
25	A CRISPR/Cas9 Toolbox for Multiplexed Plant Genome Editing and Transcriptional Regulation. Plant Physiology, 2015, 169, 971-985.	4.8	532