

Si Nian Char

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,152
citations

687363

13
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	An <i>Agrobacterium</i> -delivered CRISPR/Cas9 system for high-frequency targeted mutagenesis in maize. <i>Plant Biotechnology Journal</i> , 2017, 15, 257-268.	8.3	300
2	Single-cell RNA sequencing of developing maize ears facilitates functional analysis and trait candidate gene discovery. <i>Developmental Cell</i> , 2021, 56, 557-568.e6.	7.0	129
3	Impaired phloem loading in <i>zmsweet13a,b,c</i> sucrose transporter triple knock-out mutants in <i>Zea mays</i> . <i>New Phytologist</i> , 2018, 218, 594-603.	7.3	127
4	Heritable site-specific mutagenesis using TALENs in maize. <i>Plant Biotechnology Journal</i> , 2015, 13, 1002-1010.	8.3	110
5	Diagnostic kit for rice blight resistance. <i>Nature Biotechnology</i> , 2019, 37, 1372-1379.	17.5	92
6	The maize heterotrimeric G protein β^2 subunit controls shoot meristem development and immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1799-1805.	7.1	77
7	Multiple genes recruited from hormone pathways partition maize diterpenoid defences. <i>Nature Plants</i> , 2019, 5, 1043-1056.	9.3	60
8	Genetic elucidation of interconnected antibiotic pathways mediating maize innate immunity. <i>Nature Plants</i> , 2020, 6, 1375-1388.	9.3	52
9	An <i>Agrobacterium</i> -delivered CRISPR/Cas9 system for targeted mutagenesis in sorghum. <i>Plant Biotechnology Journal</i> , 2020, 18, 319-321.	8.3	40
10	Disruption of miRNA sequences by TALENs and CRISPR/Cas9 induces varied lengths of miRNA production. <i>Plant Biotechnology Journal</i> , 2020, 18, 1526-1536.	8.3	35
11	High-efficiency plastome base editing in rice with TAL cytosine deaminase. <i>Molecular Plant</i> , 2021, 14, 1412-1414.	8.3	30
12	Differential activities of maize plant elicitor peptides as mediators of immune signaling and herbivore resistance. <i>Plant Journal</i> , 2020, 104, 1582-1602.	5.7	21
13	<i>OsSWEET11b</i> , a potential sixth leaf blight susceptibility gene involved in sugar transport-dependent male fertility. <i>New Phytologist</i> , 2022, 234, 975-989.	7.3	18
14	Creating Large Chromosomal Deletions in Rice Using CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2019, 1917, 47-61.	0.9	17
15	CRISPR/Cas9 for Mutagenesis in Rice. <i>Methods in Molecular Biology</i> , 2019, 1864, 279-293.	0.9	12
16	Genome editing in grass plants. <i>ABIOTECH</i> , 2020, 1, 41-57.	3.9	11
17	Use of CRISPR/Cas9 for Targeted Mutagenesis in Sorghum. <i>Current Protocols in Plant Biology</i> , 2020, 5, e20112.	2.8	10
18	The SUMO ligase MMS21 profoundly influences maize development through its impact on genome activity and stability. <i>PLoS Genetics</i> , 2021, 17, e1009830.	3.5	10