Si Nian Char

List of Publications by Year
in descending order

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	OsSWEET11b, a potential sixth leaf blight susceptibility gene involved in sugar transportâ€dependent male fertility. New Phytologist, 2022, 234, 975-989.	7.3	18
2	Single-cell RNA sequencing of developing maize ears facilitates functional analysis and trait candidate gene discovery. Developmental Cell, 2021, 56, 557-568.e6.	7.0	129
3	High-efficiency plastome base editing in rice with TAL cytosine deaminase. Molecular Plant, 2021, 14, 1412-1414.	8.3	30
4	The SUMO ligase MMS21 profoundly influences maize development through its impact on genome activity and stability. PLoS Genetics, 2021, 17, e1009830.	3.5	10
5	Genome editing in grass plants. ABIOTECH, 2020, 1, 41-57.	3.9	11
6	An Agrobacteriumâ€delivered <scp>CRISPR</scp>/Cas9 system for targeted mutagenesis in sorghum. Plant Biotechnology Journal, 2020, 18, 319-321.	8.3	40
7	The maize heterotrimeric G protein Î² subunit controls shoot meristem development and immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1799-1805.	7.1	77
8	Disruption of miRNA sequences by TALENs and CRISPR/Cas9 induces varied lengths of miRNA production. Plant Biotechnology Journal, 2020, 18, 1526-1536.	8.3	35
9	Differential activities of maize plant elicitor peptides as mediators of immune signaling and herbivore resistance. Plant Journal, 2020, 104, 1582-1602.	5.7	21
10	Genetic elucidation of interconnected antibiotic pathways mediating maize innate immunity. Nature Plants, 2020, 6, 1375-1388.	9.3	52
11	Use of CRISPR/Cas9 for Targeted Mutagenesis in Sorghum. Current Protocols in Plant Biology, 2020, 5, e20112.	2.8	10
12	Diagnostic kit for rice blight resistance. Nature Biotechnology, 2019, 37, 1372-1379.	17.5	92
13	Multiple genes recruited from hormone pathways partition maize diterpenoid defences. Nature Plants, 2019, 5, 1043-1056.	9.3	60
14	CRISPR/Cas9 for Mutagenesis in Rice. Methods in Molecular Biology, 2019, 1864, 279-293.	0.9	12
15	Creating Large Chromosomal Deletions in Rice Using CRISPR/Cas9. Methods in Molecular Biology, 2019, 1917, 47-61.	0.9	17
16	Impaired phloem loading in zmsweet13a,b,c sucrose transporter triple knockâ€out mutants in Zea mays. New Phytologist, 2018, 218, 594-603.	7.3	127
17	An Agrobacteriumâ€delivered <scp>CRISPR</scp>/Cas9 system for highâ€frequency targeted mutagenesis in maize. Plant Biotechnology Journal, 2017, 15, 257-268.	8.3	300
18	Heritable siteâ€specific mutagenesis using <scp>TALEN</scp>s in maize. Plant Biotechnology Journal, 2015, 13, 1002-1010.	8.3	110