Rongchen Wang

List of Publications by Year
in descending order

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23 papers	2,719 citations	393982 19 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	3044 citing authors

#	Article	IF	Citations
1	Microarray Analysis of the Nitrate Response in Arabidopsis Roots and Shoots Reveals over 1,000 Rapidly Responding Genes and New Linkages to Glucose, Trehalose-6-Phosphate, Iron, and Sulfate Metabolism Â. Plant Physiology, 2003, 132, 556-567.	2.3	611
2	Genomic Analysis of the Nitrate Response Using a Nitrate Reductase-Null Mutant of Arabidopsis. Plant Physiology, 2004, 136, 2512-2522.	2.3	396
3	Nitrate foraging by Arabidopsis roots is mediated by the transcription factor TCP20 through the systemic signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15267-15272.	3.3	202
4	AtNIGT1/HRS1 integrates nitrate and phosphate signals at the Arabidopsis root tip. Nature Communications, 2015, 6, 6274.	5.8	195
5	A Genetic Screen for Nitrate Regulatory Mutants Captures the Nitrate Transporter Gene NRT1.1. Plant Physiology, 2009, 151, 472-478.	2.3	191
6	Programmed Self-Elimination of the CRISPR/Cas9 Construct Greatly Accelerates the Isolation of Edited and Transgene-Free Rice Plants. Molecular Plant, 2018, 11, 1210-1213.	3.9	159
7	The Arabidopsis NRG2 Protein Mediates Nitrate Signaling and Interacts with and Regulates Key Nitrate Regulators. Plant Cell, 2016, 28, 485-504.	3.1	154
8	Nitrite Acts as a Transcriptome Signal at Micromolar Concentrations in Arabidopsis Roots. Plant Physiology, 2007, 145, 1735-1745.	2.3	134
9	The YUCCA-Auxin-WOX11 Module Controls Crown Root Development in Rice. Frontiers in Plant Science, 2018, 9, 523.	1.7	95
10	The Arabidopsis Dual-Affinity Nitrate Transporter Gene AtNRT1.1 (CHL1) Is Activated and Functions in Nascent Organ Development during Vegetative and Reproductive Growth. Plant Cell, 2001, 13, 1761-1777.	3.1	94
11	Self-cleaving ribozymes enable the production of guide RNAs from unlimited choices of promoters for CRISPR/Cas9 mediated genome editing. Journal of Genetics and Genomics, 2017, 44, 469-472.	1.7	82
12	Insights into the genomic nitrate response using genetics and the Sungear Software System. Journal of Experimental Botany, 2007, 58, 2359-2367.	2.4	71
13	Recent advances in auxin research in rice and their implications for crop improvement. Journal of Experimental Botany, 2018, 69, 255-263.	2.4	65
14	The Arabidopsis CPSF30â€Ł gene plays an essential role in nitrate signaling and regulates the nitrate transceptor gene <scp>NRT</scp>1.1. New Phytologist, 2017, 216, 1205-1222.	3.5	59
15	Multiple Regulatory Elements in the Arabidopsis NIA1 Promoter Act Synergistically to Form a Nitrate Enhancer. Plant Physiology, 2010, 154, 423-432.	2.3	42
16	PINOID Is Required for Formation of the Stigma and Style in Rice. Plant Physiology, 2019, 180, 926-936.	2.3	30
17	Production of Guide RNAs in vitro and in vivo for CRISPR Using Ribozymes and RNA Polymerase II Promoters. Bio-protocol, 2017, 7, .	0.2	27
18	On Improving CRISPR for Editing Plant Genes: Ribozyme-Mediated Guide RNA Production and Fluorescence-Based Technology for Isolating Transgene-Free Mutants Generated by CRISPR. Progress in Molecular Biology and Translational Science, 2017, 149, 151-166.	0.9	25

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19	Homeobox transcription factor OsZHD2 promotes root meristem activity in rice by inducing ethylene biosynthesis. Journal of Experimental Botany, 2020, 71, 5348-5364.	2.4	24
20	Revolutionize Genetic Studies and Crop Improvement with High-Throughput and Genome-Scale CRISPR/Cas9 Gene Editing Technology. Molecular Plant, 2017, 10, 1141-1143.	3.9	19
21	Functional Dissection of the cis-Acting Sequences of the Arabidopsis Transposable Element Tag1 Reveals Dissimilar Subterminal Sequence and Minimal Spacing Requirements for Transposition. Genetics, 2001, 157, 817-830.	1.2	17
22	Somatic and Germinal Excision Activities of the Arabidopsis Transposon Tag1 Are Controlled by Distinct Regulatory Sequences within Tag1. Plant Cell, 2001, 13, 1851-1863.	3.1	14
23	Positional effects on efficiency of CRISPR/Cas9-based transcriptional activation in rice plants. ABIOTECH, 2020, 1, 1-5.	1.8	13