

Xinhua Dai

List of Publications by Year in descending order

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16
papers

1,374
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1970
citing authors

#	ARTICLE	IF	CITATIONS
1	An Effective Strategy for Reliably Isolating Heritable and <i>Cas9</i> -Free Arabidopsis Mutants Generated by CRISPR/Cas9-Mediated Genome Editing. <i>Plant Physiology</i> , 2016, 171, 1794-1800.	4.8	225
2	Auxin Overproduction in Shoots Cannot Rescue Auxin Deficiencies in Arabidopsis Roots. <i>Plant and Cell Physiology</i> , 2014, 55, 1072-1079.	3.1	202
3	The Biochemical Mechanism of Auxin Biosynthesis by an Arabidopsis YUCCA Flavin-containing Monooxygenase. <i>Journal of Biological Chemistry</i> , 2013, 288, 1448-1457.	3.4	175
4	Distinct Characteristics of Indole-3-Acetic Acid and Phenylacetic Acid, Two Common Auxins in Plants. <i>Plant and Cell Physiology</i> , 2015, 56, 1641-1654.	3.1	142
5	<i>NPY</i> genes and AGC kinases define two key steps in auxin-mediated organogenesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 21017-21022.	7.1	139
6	NPY1, a BTB-NPH3-like protein, plays a critical role in auxin-regulated organogenesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18825-18829.	7.1	125
7	Genetic and chemical analyses of the action mechanisms of sirtinol in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3129-3134.	7.1	81
8	Auxin production in diploid microsporocytes is necessary and sufficient for early stages of pollen development. <i>PLoS Genetics</i> , 2018, 14, e1007397.	3.5	63
9	An Essential Role for miRNA167 in Maternal Control of Embryonic and Seed Development. <i>Plant Physiology</i> , 2019, 180, 453-464.	4.8	61
10	Embryonic lethality of Arabidopsis <i>abp1-1</i> is caused by deletion of the adjacent BSM gene. <i>Nature Plants</i> , 2015, 1, .	9.3	33
11	On Improving CRISPR for Editing Plant Genes: Ribozyme-Mediated Guide RNA Production and Fluorescence-Based Technology for Isolating Transgene-Free Mutants Generated by CRISPR. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 149, 151-166.	1.7	25
12	Two homologous INDOLE-3-ACETAMIDE (IAM) HYDROLASE genes are required for the auxin effects of IAM in Arabidopsis. <i>Journal of Genetics and Genomics</i> , 2020, 47, 157-165.	3.9	22
13	UDP-glucosyltransferase UGT84B1 regulates the levels of indole-3-acetic acid and phenylacetic acid in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 244-250.	2.1	21
14	Modulation of Auxin Signaling and Development by Polyadenylation Machinery. <i>Plant Physiology</i> , 2019, 179, 686-699.	4.8	15
15	Local conjugation of auxin by the GH3 amido synthetases is required for normal development of roots and flowers in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2022, 589, 16-22.	2.1	13
16	Role of Arabidopsis ÎNDOLE-3-ACETIC ACID CARBOXYL METHYLTRANSFERASE 1În auxin metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 1033-1038.	2.1	12