

Jianru Zuo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

6,527
citations

41
h-index

74
g-index

74
ext. papers

7,893
ext. citations

12.7
avg, IF

5.61
L-index

#	Paper	IF	Citations
70	Technical advance: An estrogen receptor-based transactivator XVE mediates highly inducible gene expression in transgenic plants. <i>Plant Journal</i> , 2000 , 24, 265-73	6.9	858
69	Plant immunity requires conformational changes [corrected] of NPR1 via S-nitrosylation and thioredoxins. <i>Science</i> , 2008 , 321, 952-6	33.3	800
68	The WUSCHEL gene promotes vegetative-to-embryonic transition in Arabidopsis. <i>Plant Journal</i> , 2002 , 30, 349-59	6.9	443
67	Chemical-regulated, site-specific DNA excision in transgenic plants. <i>Nature Biotechnology</i> , 2001 , 19, 157-61	11.5	285
66	LEAFY COTYLEDON1 is a key regulator of fatty acid biosynthesis in Arabidopsis. <i>Plant Physiology</i> , 2008 , 148, 1042-54	6.6	269
65	Molecular genetic dissection of quantitative trait loci regulating rice grain size. <i>Annual Review of Genetics</i> , 2014 , 48, 99-118	14.5	239
64	KORRIGAN, an Arabidopsis endo-1,4-beta-glucanase, localizes to the cell plate by polarized targeting and is essential for cytokinesis. <i>Plant Cell</i> , 2000 , 12, 1137-52	11.6	237
63	ETHYLENE INSENSITIVE3 and ETHYLENE INSENSITIVE3-LIKE1 repress SALICYLIC ACID INDUCTION DEFICIENT2 expression to negatively regulate plant innate immunity in Arabidopsis. <i>Plant Cell</i> , 2009 , 21, 2527-40	11.6	220
62	S-nitrosylation positively regulates ascorbate peroxidase activity during plant stress responses. <i>Plant Physiology</i> , 2015 , 167, 1604-15	6.6	169
61	Chemical-inducible systems for regulated expression of plant genes. <i>Current Opinion in Biotechnology</i> , 2000 , 11, 146-51	11.4	164
60	Involvement of sphingoid bases in mediating reactive oxygen intermediate production and programmed cell death in Arabidopsis. <i>Cell Research</i> , 2007 , 17, 1030-40	24.7	156
59	Site-specific nitrosoproteomic identification of endogenously S-nitrosylated proteins in Arabidopsis. <i>Plant Physiology</i> , 2015 , 167, 1731-46	6.6	149
58	The Arabidopsis PARAQUAT RESISTANT2 gene encodes an S-nitrosoglutathione reductase that is a key regulator of cell death. <i>Cell Research</i> , 2009 , 19, 1377-87	24.7	141
57	S-nitrosylation of phosphotransfer proteins represses cytokinin signaling. <i>Nature Communications</i> , 2013 , 4, 1529	17.4	111
56	The Arabidopsis AtIPT8/PGA22 gene encodes an isopentenyl transferase that is involved in de novo cytokinin biosynthesis. <i>Plant Physiology</i> , 2003 , 131, 167-76	6.6	111
55	Arabidopsis histidine kinase CKI1 acts upstream of histidine phosphotransfer proteins to regulate female gametophyte development and vegetative growth. <i>Plant Cell</i> , 2010 , 22, 1232-48	11.6	107
54	Arabidopsis transcription factor genes NF-YA1, 5, 6, and 9 play redundant roles in male gametogenesis, embryogenesis, and seed development. <i>Molecular Plant</i> , 2013 , 6, 188-201	14.4	100

53	Overexpression of PGA37/MYB118 and MYB115 promotes vegetative-to-embryonic transition in Arabidopsis. <i>Cell Research</i> , 2009 , 19, 224-35	24.7	100
52	The Arabidopsis Spontaneous Cell Death1 gene, encoding a zeta-carotene desaturase essential for carotenoid biosynthesis, is involved in chloroplast development, photoprotection and retrograde signalling. <i>Cell Research</i> , 2007 , 17, 458-70	24.7	91
51	Functional characterization of the Arabidopsis eukaryotic translation initiation factor 5A-2 that plays a crucial role in plant growth and development by regulating cell division, cell growth, and cell death. <i>Plant Physiology</i> , 2007 , 144, 1531-45	6.6	91
50	Marker-free transformation: increasing transformation frequency by the use of regeneration-promoting genes. <i>Current Opinion in Biotechnology</i> , 2002 , 13, 173-80	11.4	88
49	A route to de novo domestication of wild allotetraploid rice. <i>Cell</i> , 2021 , 184, 1156-1170.e14	56.2	81
48	S-Nitrosylation Targets GSNO Reductase for Selective Autophagy during Hypoxia Responses in Plants. <i>Molecular Cell</i> , 2018 , 71, 142-154.e6	17.6	81
47	Genome-wide comparative analysis of type-A Arabidopsis response regulator genes by overexpression studies reveals their diverse roles and regulatory mechanisms in cytokinin signaling. <i>Cell Research</i> , 2009 , 19, 1178-90	24.7	77
46	Cytokinin antagonizes abscisic acid-mediated inhibition of cotyledon greening by promoting the degradation of abscisic acid insensitive5 protein in Arabidopsis. <i>Plant Physiology</i> , 2014 , 164, 1515-26	6.6	73
45	Malate transported from chloroplast to mitochondrion triggers production of ROS and PCD in Arabidopsis thaliana. <i>Cell Research</i> , 2018 , 28, 448-461	24.7	71
44	Serine palmitoyltransferase, a key enzyme for de novo synthesis of sphingolipids, is essential for male gametophyte development in Arabidopsis. <i>Plant Physiology</i> , 2008 , 146, 1322-32	6.6	69
43	LESION SIMULATING DISEASE1 interacts with catalases to regulate hypersensitive cell death in Arabidopsis. <i>Plant Physiology</i> , 2013 , 163, 1059-70	6.6	68
42	Monitoring genome-wide changes in gene expression in response to endogenous cytokinin reveals targets in Arabidopsis thaliana. <i>FEBS Letters</i> , 2003 , 554, 373-80	3.8	67
41	Peptidyl-prolyl isomerization targets rice Aux/IAAs for proteasomal degradation during auxin signalling. <i>Nature Communications</i> , 2015 , 6, 7395	17.4	65
40	Arabidopsis SOI33/AtENT8 Gene Encodes a Putative Equilibrative Nucleoside Transporter That Is Involved in Cytokinin Transport In Planta. <i>Journal of Integrative Plant Biology</i> , 2005 , 47, 588-603	8.3	63
39	The Arabidopsis LSD1 gene plays an important role in the regulation of low temperature-dependent cell death. <i>New Phytologist</i> , 2010 , 187, 301-312	9.8	62
38	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , 2015 , 25, 621-33	24.7	57
37	Nitric Oxide Regulates Protein Methylation during Stress Responses in Plants. <i>Molecular Cell</i> , 2017 , 67, 702-710.e4	17.6	57
36	Paraquat Resistant1, a Golgi-localized putative transporter protein, is involved in intracellular transport of paraquat. <i>Plant Physiology</i> , 2013 , 162, 470-83	6.6	53

35	Short circuiting stress protein expression via a tyrosine kinase inhibitor, herbimycin A. <i>Journal of Cellular Physiology</i> , 1995 , 165, 186-200	7	50
34	Molecular dissection of complex agronomic traits of rice: a team effort by Chinese scientists in recent years. <i>National Science Review</i> , 2014 , 1, 253-276	10.8	49
33	Rice Ferredoxin-Dependent Glutamate Synthase Regulates Nitrogen-Carbon Metabolomes and Is Genetically Differentiated between japonica and indica Subspecies. <i>Molecular Plant</i> , 2016 , 9, 1520-1534	14.4	48
32	Genetic variations in ARE1 mediate grain yield by modulating nitrogen utilization in rice. <i>Nature Communications</i> , 2018 , 9, 735	17.4	45
31	Light-regulated, tissue-specific, and cell differentiation-specific expression of the Arabidopsis Fe(III)-chelate reductase gene AtFRO6. <i>Plant Physiology</i> , 2006 , 140, 1345-54	6.6	42
30	Protein S-Nitrosylation in plants: Current progresses and challenges. <i>Journal of Integrative Plant Biology</i> , 2019 , 61, 1206-1223	8.3	41
29	The Arabidopsis eukaryotic translation initiation factor eIF5A-2 regulates root protoxylem development by modulating cytokinin signaling. <i>Plant Cell</i> , 2013 , 25, 3841-57	11.6	30
28	An Arabidopsis Secondary Metabolite Directly Targets Expression of the Bacterial Type III Secretion System to Inhibit Bacterial Virulence. <i>Cell Host and Microbe</i> , 2020 , 27, 601-613.e7	23.4	29
27	LATERAL ROOTLESS2, a cyclophilin protein, regulates lateral root initiation and auxin signaling pathway in rice. <i>Molecular Plant</i> , 2013 , 6, 1719-21	14.4	26
26	Cytokinin affects circadian-clock oscillation in a phytochrome B- and Arabidopsis response regulator 4-dependent manner. <i>Physiologia Plantarum</i> , 2006 , 127, 277-292	4.6	25
25	The Arabidopsis CROWDED NUCLEI genes regulate seed germination by modulating degradation of ABI5 protein. <i>Journal of Integrative Plant Biology</i> , 2016 , 58, 669-78	8.3	25
24	Rice TUTOU1 Encodes a Suppressor of cAMP Receptor-Like Protein That Is Important for Actin Organization and Panicle Development. <i>Plant Physiology</i> , 2015 , 169, 1179-91	6.6	24
23	Cytokinin signaling regulates pavement cell morphogenesis in Arabidopsis. <i>Cell Research</i> , 2013 , 23, 290-294	24.7	24
22	Application of rhodamine B thiolactone to fluorescence imaging of Hg ²⁺ in Arabidopsis thaliana. <i>Sensors and Actuators B: Chemical</i> , 2011 , 153, 261-265	8.5	23
21	Transnitrosylation Mediated by the Non-canonical Catalase ROG1 Regulates Nitric Oxide Signaling in Plants. <i>Developmental Cell</i> , 2020 , 53, 444-457.e5	10.2	22
20	The Arabidopsis BE1 gene, encoding a putative glycoside hydrolase localized in plastids, plays crucial roles during embryogenesis and carbohydrate metabolism. <i>Journal of Integrative Plant Biology</i> , 2010 , 52, 273-88	8.3	21
19	Regulation of mitochondrial NAD pool via NAD transporter 2 is essential for matrix NADH homeostasis and ROS production in Arabidopsis. <i>Science China Life Sciences</i> , 2019 , 62, 991-1002	8.5	17
18	DEG9, a serine protease, modulates cytokinin and light signaling by regulating the level of ARABIDOPSIS RESPONSE REGULATOR 4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3568-76	11.5	17

17	Deletion of the initial 45 residues of ARR18 induces cytokinin response in Arabidopsis. <i>Journal of Genetics and Genomics</i> , 2012 , 39, 37-46	4	16
16	Involvement of a Putative Bipartite Transit Peptide in Targeting Rice Pheophorbide a Oxygenase into Chloroplasts for Chlorophyll Degradation during Leaf Senescence. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 145-54	4	10
15	The Ghd7 transcription factor represses ARE1 expression to enhance nitrogen utilization and grain yield in rice. <i>Molecular Plant</i> , 2021 , 14, 1012-1023	14.4	10
14	Applications of chemical-inducible expression systems in functional genomics and biotechnology. <i>Methods in Molecular Biology</i> , 2006 , 323, 329-42	1.4	9
13	Two Plastid Fatty Acid Exporters Contribute to Seed Oil Accumulation in Arabidopsis. <i>Plant Physiology</i> , 2020 , 182, 1910-1919	6.6	8
12	Cytokinins 2017 , 77-106		6
11	Say "NO" to ABA signaling in guard cells by S-nitrosylation of OST1. <i>Science China Life Sciences</i> , 2015 , 58, 313-4	8.5	5
10	Nitric oxide negatively regulates gibberellin signaling to coordinate growth and salt tolerance in Arabidopsis.. <i>Journal of Genetics and Genomics</i> , 2022 ,	4	3
9	A new insight to explore the regulation between -nitrosylation and -glycosylation. <i>Plant Direct</i> , 2019 , 3, e00110	3.3	2
8	PAT: waking up a lazy sleeping beauty. <i>Cell Research</i> , 2007 , 17, 387-8	24.7	2
7	Cytokinin signal transduction: Known simplicity and unknown complexity. <i>Science Bulletin</i> , 2003 , 48, 1309-1315		2
6	KORRIGAN, an Arabidopsis Endo-1,4-b-Glucanase, Localizes to the Cell Plate by Polarized Targeting and Is Essential for Cytokinesis. <i>Plant Cell</i> , 2000 , 12, 1137	11.6	2
5	Genetic manipulations of TaARE1 boost nitrogen utilization and grain yield in wheat. <i>Journal of Genetics and Genomics</i> , 2021 , 48, 950-953	4	2
4	Characterization of a new mutant allele of the Arabidopsis Flowering Locus D (FLD) gene that controls the flowering time by repressing FLC. <i>Science Bulletin</i> , 2005 , 50, 2701-2706		1
3	Fine-mapping of SRT7 for short roots and identification of its candidate in rice. <i>Science Bulletin</i> , 2011 , 56, 3296		
2	Advances in Arabidopsis research in China from 2006 to 2007. <i>Science Bulletin</i> , 2007 , 52, 1729-1733		
1	Somatic Embryogenesis in Arabidopsis thaliana Promoted by the Wuschel Homeodomain Protein 2003 , 279-281		