Jianru Zuo

List of Publications by Year in Descending Order

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	Nitric oxide negatively regulates gibberellin signaling to coordinate growth and salt tolerance in Arabidopsis.. *Journal of Genetics and Genomics*, **2022**,	4	3
69	A route to de novo domestication of wild allotetraploid rice. *Cell*, **2021**, 184, 1156-1170.e14	56.2	81
68	The Ghd7 transcription factor represses ARE1 expression to enhance nitrogen utilization and grain yield in rice. *Molecular Plant*, **2021**, 14, 1012-1023	14.4	10
67	Genetic manipulations of TaARE1 boost nitrogen utilization and grain yield in wheat. *Journal of Genetics and Genomics*, **2021**, 48, 950-953	4	2
66	Two Plastid Fatty Acid Exporters Contribute to Seed Oil Accumulation in Arabidopsis. *Plant Physiology*, **2020**, 182, 1910-1919	6.6	8
65	An Arabidopsis Secondary Metabolite Directly Targets Expression of the Bacterial Type III Secretion System to Inhibit Bacterial Virulence. *Cell Host and Microbe*, **2020**, 27, 601-613.e7	23.4	29
64	Transnitrosylation Mediated by the Non-canonical Catalase ROG1 Regulates Nitric Oxide Signaling in Plants. *Developmental Cell*, **2020**, 53, 444-457.e5	10.2	22
63	Protein S-Nitrosylation in plants: Current progresses and challenges. *Journal of Integrative Plant Biology*, **2019**, 61, 1206-1223	8.3	41
62	Regulation of mitochondrial NAD pool via NAD transporter 2 is essential for matrix NADH homeostasis and ROS production in Arabidopsis. *Science China Life Sciences*, **2019**, 62, 991-1002	8.5	17
61	A new insight to explore the regulation between -nitrosylation and -glycosylation. *Plant Direct*, **2019**, 3, e00110	3.3	2
60	Genetic variations in ARE1 mediate grain yield by modulating nitrogen utilization in rice. *Nature Communications*, **2018**, 9, 735	17.4	45
59	Malate transported from chloroplast to mitochondrion triggers production of ROS and PCD in Arabidopsis thaliana. *Cell Research*, **2018**, 28, 448-461	24.7	71
58	S-Nitrosylation Targets GSNO Reductase for Selective Autophagy during Hypoxia Responses in Plants. *Molecular Cell*, **2018**, 71, 142-154.e6	17.6	81
57	Cytokinins **2017**, 77-106		6
56	Nitric Oxide Regulates Protein Methylation during Stress Responses in Plants. *Molecular Cell*, **2017**, 67, 702-710.e4	17.6	57
55	DEG9, a serine protease, modulates cytokinin and light signaling by regulating the level of ARABIDOPSIS RESPONSE REGULATOR 4. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3568-76	11.5	17
54	Involvement of a Putative Bipartite Transit Peptide in Targeting Rice Pheophorbide a Oxygenase into Chloroplasts for Chlorophyll Degradation during Leaf Senescence. *Journal of Genetics and Genomics*, **2016**, 43, 145-54	4	10

53	The Arabidopsis CROWDED NUCLEI genes regulate seed germination by modulating degradation of ABI5 protein. *Journal of Integrative Plant Biology*, **2016**, 58, 669-78	8.3	25
52	Rice Ferredoxin-Dependent Glutamate Synthase Regulates Nitrogen-Carbon Metabolomes and Is Genetically Differentiated between japonica and indica Subspecies. *Molecular Plant*, **2016**, 9, 1520-1534	14.4	48
51	Site-specific nitrosoproteomic identification of endogenously S-nitrosylated proteins in Arabidopsis. *Plant Physiology*, **2015**, 167, 1731-46	6.6	149
50	Rice TUTOU1 Encodes a Suppressor of cAMP Receptor-Like Protein That Is Important for Actin Organization and Panicle Development. *Plant Physiology*, **2015**, 169, 1179-91	6.6	24
49	Peptidyl-prolyl isomerization targets rice Aux/IAAs for proteasomal degradation during auxin signalling. *Nature Communications*, **2015**, 6, 7395	17.4	65
48	Say "NO" to ABA signaling in guard cells by S-nitrosylation of OST1. *Science China Life Sciences*, **2015**, 58, 313-4	8.5	5
47	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. *Cell Research*, **2015**, 25, 621-33	24.7	57
46	S-nitrosylation positively regulates ascorbate peroxidase activity during plant stress responses. *Plant Physiology*, **2015**, 167, 1604-15	6.6	169
45	Molecular dissection of complex agronomic traits of rice: a team effort by Chinese scientists in recent years. *National Science Review*, **2014**, 1, 253-276	10.8	49
44	Cytokinin antagonizes abscisic acid-mediated inhibition of cotyledon greening by promoting the degradation of abscisic acid insensitive5 protein in Arabidopsis. *Plant Physiology*, **2014**, 164, 1515-26	6.6	73
43	Molecular genetic dissection of quantitative trait loci regulating rice grain size. *Annual Review of Genetics*, **2014**, 48, 99-118	14.5	239
42	LATERAL ROOTLESS2, a cyclophilin protein, regulates lateral root initiation and auxin signaling pathway in rice. *Molecular Plant*, **2013**, 6, 1719-21	14.4	26
41	Arabidopsis transcription factor genes NF-YA1, 5, 6, and 9 play redundant roles in male gametogenesis, embryogenesis, and seed development. *Molecular Plant*, **2013**, 6, 188-201	14.4	100
40	S-nitrosylation of phosphotransfer proteins represses cytokinin signaling. *Nature Communications*, **2013**, 4, 1529	17.4	111
39	The Arabidopsis eukaryotic translation initiation factor eIF5A-2 regulates root protoxylem development by modulating cytokinin signaling. *Plant Cell*, **2013**, 25, 3841-57	11.6	30
38	LESION SIMULATING DISEASE1 interacts with catalases to regulate hypersensitive cell death in Arabidopsis. *Plant Physiology*, **2013**, 163, 1059-70	6.6	68
37	Cytokinin signaling regulates pavement cell morphogenesis in Arabidopsis. *Cell Research*, **2013**, 23, 290-9	24.7	24
36	Paraquat Resistant1, a Golgi-localized putative transporter protein, is involved in intracellular transport of paraquat. *Plant Physiology*, **2013**, 162, 470-83	6.6	53

35	Deletion of the initial 45 residues of ARR18 induces cytokinin response in Arabidopsis. *Journal of Genetics and Genomics*, **2012**, 39, 37-46	4	16
34	Fine-mapping of SRT7 for short roots and identification of its candidate in rice. *Science Bulletin*, **2011**, 56, 3296		
33	Application of rhodamine B thiolactone to fluorescence imaging of Hg2+ in Arabidopsis thaliana. *Sensors and Actuators B: Chemical*, **2011**, 153, 261-265	8.5	23
32	The Arabidopsis LSD1 gene plays an important role in the regulation of low temperature-dependent cell death. *New Phytologist*, **2010**, 187, 301-312	9.8	62
31	The Arabidopsis BE1 gene, encoding a putative glycoside hydrolase localized in plastids, plays crucial roles during embryogenesis and carbohydrate metabolism. *Journal of Integrative Plant Biology*, **2010**, 52, 273-88	8.3	21
30	Arabidopsis histidine kinase CKI1 acts upstream of histidine phosphotransfer proteins to regulate female gametophyte development and vegetative growth. *Plant Cell*, **2010**, 22, 1232-48	11.6	107
29	ETHYLENE INSENSITIVE3 and ETHYLENE INSENSITIVE3-LIKE1 repress SALICYLIC ACID INDUCTION DEFICIENT2 expression to negatively regulate plant innate immunity in Arabidopsis. *Plant Cell*, **2009**, 21, 2527-40	11.6	220
28	Overexpression of PGA37/MYB118 and MYB115 promotes vegetative-to-embryonic transition in Arabidopsis. *Cell Research*, **2009**, 19, 224-35	24.7	100
27	The Arabidopsis PARAQUAT RESISTANT2 gene encodes an S-nitrosoglutathione reductase that is a key regulator of cell death. *Cell Research*, **2009**, 19, 1377-87	24.7	141
26	Genome-wide comparative analysis of type-A Arabidopsis response regulator genes by overexpression studies reveals their diverse roles and regulatory mechanisms in cytokinin signaling. *Cell Research*, **2009**, 19, 1178-90	24.7	77
25	Plant immunity requires conformational changes [corrected] of NPR1 via S-nitrosylation and thioredoxins. *Science*, **2008**, 321, 952-6	33.3	800
24	Serine palmitoyltransferase, a key enzyme for de novo synthesis of sphingolipids, is essential for male gametophyte development in Arabidopsis. *Plant Physiology*, **2008**, 146, 1322-32	6.6	69
23	LEAFY COTYLEDON1 is a key regulator of fatty acid biosynthesis in Arabidopsis. *Plant Physiology*, **2008**, 148, 1042-54	6.6	269
22	Involvement of sphingoid bases in mediating reactive oxygen intermediate production and programmed cell death in Arabidopsis. *Cell Research*, **2007**, 17, 1030-40	24.7	156
21	The Arabidopsis Spontaneous Cell Death1 gene, encoding a zeta-carotene desaturase essential for carotenoid biosynthesis, is involved in chloroplast development, photoprotection and retrograde signalling. *Cell Research*, **2007**, 17, 458-70	24.7	91
20	PAT: waking up a lazy sleeping beauty. *Cell Research*, **2007**, 17, 387-8	24.7	2
19	Advances in Arabidopsis research in China from 2006 to 2007. *Science Bulletin*, **2007**, 52, 1729-1733		
18	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. *Plant Physiology*, **2007**, 144, 1531-45	6.6	91

17	Applications of chemical-inducible expression systems in functional genomics and biotechnology. *Methods in Molecular Biology*, **2006**, 323, 329-42	1.4	9
16	Light-regulated, tissue-specific, and cell differentiation-specific expression of the Arabidopsis Fe(III)-chelate reductase gene AtFRO6. *Plant Physiology*, **2006**, 140, 1345-54	6.6	42
15	Cytokinin affects circadian-clock oscillation in a phytochrome B- and Arabidopsis response regulator 4-dependent manner. *Physiologia Plantarum*, **2006**, 127, 277-292	4.6	25
14	Arabidopsis SOI33/AtENT8 Gene Encodes a Putative Equilibrative Nucleoside Transporter That Is Involved in Cytokinin Transport In Planta. *Journal of Integrative Plant Biology*, **2005**, 47, 588-603	8.3	63
13	Characterization of a new mutant allele of theArabidopsis Flowering Locus D (FLD) gene that controls the flowering time by repressingFLC. *Science Bulletin*, **2005**, 50, 2701-2706		1
12	Cytokinin signal transduction: Known simplicity and unknown complexity. *Science Bulletin*, **2003**, 48, 1309-1315	2	
11	Monitoring genome-wide changes in gene expression in response to endogenous cytokinin reveals targets in Arabidopsis thaliana. *FEBS Letters*, **2003**, 554, 373-80	3.8	67
10	The Arabidopsis AtIPT8/PGA22 gene encodes an isopentenyl transferase that is involved in de novo cytokinin biosynthesis. *Plant Physiology*, **2003**, 131, 167-76	6.6	111
9	Somatic Embryogenesis in Arabidopsis thaliana Promoted by the Wuschel Homeodomain Protein **2003**, 279-281		
8	Marker-free transformation: increasing transformation frequency by the use of regeneration-promoting genes. *Current Opinion in Biotechnology*, **2002**, 13, 173-80	11.4	88
7	The WUSCHEL gene promotes vegetative-to-embryonic transition in Arabidopsis. *Plant Journal*, **2002**, 30, 349-59	6.9	443
6	Chemical-regulated, site-specific DNA excision in transgenic plants. *Nature Biotechnology*, **2001**, 19, 157-61	14.5	285
5	KORRIGAN, an Arabidopsis Endo-1,4-b-Glucanase, Localizes to the Cell Plate by Polarized Targeting and Is Essential for Cytokinesis. *Plant Cell*, **2000**, 12, 1137	11.6	2
4	Technical advance: An estrogen receptor-based transactivator XVE mediates highly inducible gene expression in transgenic plants. *Plant Journal*, **2000**, 24, 265-73	6.9	858
3	Chemical-inducible systems for regulated expression of plant genes. *Current Opinion in Biotechnology*, **2000**, 11, 146-51	11.4	164
2	KORRIGAN, an Arabidopsis endo-1,4-beta-glucanase, localizes to the cell plate by polarized targeting and is essential for cytokinesis. *Plant Cell*, **2000**, 12, 1137-52	11.6	237
1	Short circuiting stress protein expression via a tyrosine kinase inhibitor, herbimycin A. *Journal of Cellular Physiology*, **1995**, 165, 186-200	7	50