

# Yang Zhao

## 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.

82

papers

5,585

citations

33

h-index

74

g-index

87

ext. papers

7,626

ext. citations

8.5

avg, IF

5.54

L-index

#	Paper	IF	Citations
82	Abscisic acid inhibits type 2C protein phosphatases via the PYR/PYL family of START proteins. <i>Science</i> , <b>2009</b> , 324, 1068-71	33.3	1782
81	ABA receptor PYL9 promotes drought resistance and leaf senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 1949-54	11.5	303
80	Abscisic acid dynamics, signaling, and functions in plants. <i>Journal of Integrative Plant Biology</i> , <b>2020</b> , 62, 25-54	8.3	271
79	Auxin controls seed dormancy through stimulation of abscisic acid signaling by inducing ARF-mediated ABI3 activation in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 15485-90	11.5	263
78	Nitric oxide negatively regulates abscisic acid signaling in guard cells by S-nitrosylation of OST1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 613-8	11.5	256
77	Reciprocal Regulation of the TOR Kinase and ABA Receptor Balances Plant Growth and Stress Response. <i>Molecular Cell</i> , <b>2018</b> , 69, 100-112.e6	17.6	224
76	The ABA receptor PYL8 promotes lateral root growth by enhancing MYB77-dependent transcription of auxin-responsive genes. <i>Science Signaling</i> , <b>2014</b> , 7, ra53	8.8	193
75	Mutations in a subfamily of abscisic acid receptor genes promote rice growth and productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6058-6063	11.5	163
74	SAD2, an importin -like protein, is required for UV-B response in Arabidopsis by mediating MYB4 nuclear trafficking. <i>Plant Cell</i> , <b>2007</b> , 19, 3805-18	11.6	131
73	A wheat allene oxide cyclase gene enhances salinity tolerance via jasmonate signaling. <i>Plant Physiology</i> , <b>2014</b> , 164, 1068-76	6.6	128
72	An ABA-mimicking ligand that reduces water loss and promotes drought resistance in plants. <i>Cell Research</i> , <b>2013</b> , 23, 1043-54	24.7	126
71	Stomatal guard cells co-opted an ancient ABA-dependent desiccation survival system to regulate stomatal closure. <i>Current Biology</i> , <b>2015</b> , 25, 928-35	6.3	113
70	Chemical genetic interrogation of natural variation uncovers a molecule that is glycoactivated. <i>Nature Chemical Biology</i> , <b>2007</b> , 3, 716-21	11.7	95
69	The unique mode of action of a divergent member of the ABA-receptor protein family in ABA and stress signaling. <i>Cell Research</i> , <b>2013</b> , 23, 1380-95	24.7	85
68	Arabidopsis Duodecuple Mutant of PYL ABA Receptors Reveals PYL Repression of ABA-Independent SnRK2 Activity. <i>Cell Reports</i> , <b>2018</b> , 23, 3340-3351.e5	10.6	81
67	SOS2-LIKE PROTEIN KINASE5, an SNF1-RELATED PROTEIN KINASE3-Type Protein Kinase, Is Important for Abscisic Acid Responses in Arabidopsis through Phosphorylation of ABSCISIC ACID-INSENSITIVE5. <i>Plant Physiology</i> , <b>2015</b> , 168, 659-76	6.6	76
66	mTOR masters monocytic myeloid-derived suppressor cells in mice with allografts or tumors. <i>Scientific Reports</i> , <b>2016</b> , 6, 20250	4.9	73

65	The ABA receptor PYL9 together with PYL8 plays an important role in regulating lateral root growth. <i>Scientific Reports</i> , <b>2016</b> , 6, 27177	4.9	73
64	The plant-specific actin binding protein SCAB1 stabilizes actin filaments and regulates stomatal movement in Arabidopsis. <i>Plant Cell</i> , <b>2011</b> , 23, 2314-30	11.6	71
63	RNA-binding protein regulates plant DNA methylation by controlling mRNA processing at the intronic heterochromatin-containing gene IBM1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 15467-72	11.5	66
62	Interactions between soybean ABA receptors and type 2C protein phosphatases. <i>Plant Molecular Biology</i> , <b>2013</b> , 83, 651-64	4.6	64
61	EAR1 Negatively Regulates ABA Signaling by Enhancing 2C Protein Phosphatase Activity. <i>Plant Cell</i> , <b>2018</b> , 30, 815-834	11.6	63
60	A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. <i>Nature Communications</i> , <b>2020</b> , 11, 613	17.4	61
59	CASEIN KINASE1-LIKE PROTEIN2 Regulates Actin Filament Stability and Stomatal Closure via Phosphorylation of Actin Depolymerizing Factor. <i>Plant Cell</i> , <b>2016</b> , 28, 1422-39	11.6	61
58	Specific but interdependent functions for Arabidopsis AGO4 and AGO6 in RNA-directed DNA methylation. <i>EMBO Journal</i> , <b>2015</b> , 34, 581-92	13	57
57	The SnRK2 kinases modulate miRNA accumulation in Arabidopsis. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006753	6	56
56	The origins and homeostasis of monocytes and tissue-resident macrophages in physiological situation. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 6425-6439	7	53
55	The immunological function of CD52 and its targeting in organ transplantation. <i>Inflammation Research</i> , <b>2017</b> , 66, 571-578	7.2	47
54	Thriving under Stress: How Plants Balance Growth and the Stress Response. <i>Developmental Cell</i> , <b>2020</b> , 55, 529-543	10.2	38
53	Type One Protein Phosphatase 1 and Its Regulatory Protein Inhibitor 2 Negatively Regulate ABA Signaling. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1005835	6	36
52	Control of Plant Water Use by ABA Induction of Senescence and Dormancy: An Overlooked Lesson from Evolution. <i>Plant and Cell Physiology</i> , <b>2017</b> , 58, 1319-1327	4.9	35
51	A Novel Chemical Inhibitor of ABA Signaling Targets All ABA Receptors. <i>Plant Physiology</i> , <b>2017</b> , 173, 2356-2369	6.34	34
50	Characterization and allergic role of IL-33-induced neutrophil polarization. <i>Cellular and Molecular Immunology</i> , <b>2018</b> , 15, 782-793	15.4	34
49	Interaction network of core ABA signaling components in maize. <i>Plant Molecular Biology</i> , <b>2018</b> , 96, 245-268	6	32
48	Impact of aging immune system on neurodegeneration and potential immunotherapies. <i>Progress in Neurobiology</i> , <b>2017</b> , 157, 2-28	10.9	29

47	Cytosolic carboxypeptidase CCP6 is required for megakaryopoiesis by modulating Mad2 polyglutamylation. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 2439-54	16.6	23
46	A high-throughput method for screening Arabidopsis mutants with disordered abiotic stress-induced calcium signal. <i>Journal of Genetics and Genomics</i> , <b>2012</b> , 39, 225-35	4	21
45	Triplin, a small molecule, reveals copper ion transport in ethylene signaling from ATX1 to RAN1. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006703	6	21
44	Counteraction of ABA-Mediated Inhibition of Seed Germination and Seedling Establishment by ABA Signaling Terminator in Arabidopsis. <i>Molecular Plant</i> , <b>2020</b> , 13, 1284-1297	14.4	20
43	Germostatin resistance locus 1 encodes a PHD finger protein involved in auxin-mediated seed dormancy and germination. <i>Plant Journal</i> , <b>2016</b> , 85, 3-15	6.9	20
42	H2O2 inhibits ABA-signaling protein phosphatase HAB1. <i>PLoS ONE</i> , <b>2014</b> , 9, e113643	3.7	17
41	MTOR signaling is essential for the development of thymic epithelial cells and the induction of central immune tolerance. <i>Autophagy</i> , <b>2018</b> , 14, 505-517	10.2	17
40	BONZAI Proteins Control Global Osmotic Stress Responses in Plants. <i>Current Biology</i> , <b>2020</b> , 30, 4815-4825	13.4	14
39	A novel iterative learning path-tracking control for nonholonomic mobile robots against initial shifts. <i>International Journal of Advanced Robotic Systems</i> , <b>2017</b> , 14, 172988141771063	1.4	13
38	Plant actin-binding protein SCAB1 is dimeric actin cross-linker with atypical pleckstrin homology domain. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 11981-90	5.4	13
37	The LRXs-RALFs-FER module controls plant growth and salt stress responses by modulating multiple plant hormones. <i>National Science Review</i> , <b>2021</b> , 8, nwaa149	10.8	11
36	It's Hard to Avoid Avoidance: Uncoupling the Evolutionary Connection between Plant Growth, Productivity and Stress "Tolerance". <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	11
35	Control of the spatial Mandelbrot set generated in coupled map lattice. <i>Nonlinear Dynamics</i> , <b>2016</b> , 84, 1795-1803	5	10
34	Phosphorylation of SWEET sucrose transporters regulates plant root:shoot ratio under drought.. <i>Nature Plants</i> , <b>2021</b> ,	11.5	10
33	Targeting Neutrophils in Sepsis: From Mechanism to Translation. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 644270	5.6	9
32	Fractional-order iterative learning control with initial state learning design. <i>Nonlinear Dynamics</i> , <b>2017</b> , 90, 1257-1268	5	8
31	Petroleum ether extract of L. prevents cell growth and induces apoptosis of human lung cancer cells. <i>Experimental and Therapeutic Medicine</i> , <b>2016</b> , 12, 3301-3307	2.1	6
30	Alterations in stomatal response to fluctuating light increase biomass and yield of rice under drought conditions. <i>Plant Journal</i> , <b>2020</b> , 104, 1334-1347	6.9	6

29	Identification and Validation of a Novel Locus Controlling Spikelet Number in Bread Wheat ( L.). <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 611106	6.2	6
28	A PRELIMINARY STUDY ON THE FRACTAL PHENOMENON: DISCONNECTED+ DISCONNECTED=CONNECTED <i>Fractals</i> , <b>2017</b> , 25, 1750004	3.2	5
27	Wip1 Deficiency Promotes Neutrophil Recruitment to the Infection Site and Improves Sepsis Outcome. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1023	8.4	5
26	A chemical genetics method to uncover small molecules for dissecting the mechanism of ABA responses in Arabidopsis seed germination. <i>Methods in Molecular Biology</i> , <b>2012</b> , 876, 107-16	1.4	5
25	Identification and validation of two major QTLs for spike compactness and length in bread wheat ( <i>Triticum aestivum</i> L.) showing pleiotropic effects on yield-related traits. <i>Theoretical and Applied Genetics</i> , <b>2021</b> , 134, 3625-3641	6	4
24	Bacterial effectors manipulate plant abscisic acid signaling for creation of an aqueous apoplast.. <i>Cell Host and Microbe</i> , <b>2022</b> ,	23.4	4
23	SCAB3 Is Required for Reorganization of Actin Filaments during Light Quality Changes. <i>Journal of Genetics and Genomics</i> , <b>2015</b> , 42, 161-8	4	3
22	Memory identification of fractional order systems: Background and theory <b>2015</b> ,		3
21	Complete parametric identification of fractional order Hammerstein systems <b>2014</b> ,		3
20	pH induced elastic modulus of guard cell wall in stomatal movement. <i>Science Bulletin</i> , <b>2011</b> , 56, 3554-3557		3
19	ABA signalling promotes cell totipotency in the shoot apex of germinating embryos. <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 6418-6436	7	3
18	The pleiotropic effects of the seed germination inhibitor germostatin. <i>Plant Signaling and Behavior</i> , <b>2016</b> , 11, e1144000	2.5	3
17	Rosbin, a synthetic small molecule, induces A549 cells apoptosis through a ROS-mediated pathway. <i>Cell Biology International</i> , <b>2017</b> , 41, 221-226	4.5	2
16	Information weighted consensus filtering with improved convergence rate <b>2016</b> ,		2
15	Molecular identification of BrHAB2a, one of the two AtHAB2-like proteins in Brassica rapa, is an important component of ABA signaling. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 503, 495-500	3.4	2
14	A small molecule inhibits cell elongation by modulating cell wall polysaccharide composition in. <i>Cell Surface</i> , <b>2021</b> , 7, 100049	4.8	2
13	Path-tracking of mobile robot using feedback-aided P-type iterative learning control against initial state error <b>2017</b> ,		1
12	Phosphatidylinositol 3-phosphate regulates SCAB1-mediated F-actin reorganization during stomatal closure in Arabidopsis. <i>Plant Cell</i> , <b>2021</b> ,	11.6	1

11	Genetic dissection of quantitative trait loci for grain size and weight by high-resolution genetic mapping in bread wheat ( <i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , <b>2021</b> ,	6	1
10	TMK1-based auxin signaling regulates abscisic acid responses via phosphorylating ABI1/2 in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
9	A novel small molecule, Rosline, inhibits growth and induces caspase-dependent apoptosis in human lung cancer cells A549 through a reactive oxygen species-dependent mechanism. <i>Cell Biology International</i> , <b>2016</b> , 40, 686-95	4.5	1
8	Identification of Auxin Activity Like 1, a chemical with weak functions in auxin signaling pathway. <i>Plant Molecular Biology</i> , <b>2018</b> , 98, 275-287	4.6	1
7	Modes of Action Study of Seed Germination Inhibitor Germostatin by Forward Genetics Screening. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1795, 143-148	1.4	1
6	Identification and candidate gene mining of HvSS1, a novel qualitative locus on chromosome 6H, regulating the uppermost internode elongation in barley ( <i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , <b>2021</b> , 134, 2481-2494	6	0
5	Screening for mutants with altered Ca signal response using aequorin-based Ca reporter system. <i>STAR Protocols</i> , <b>2021</b> , 2, 100558	1.4	0
4	Simultaneous gene editing of three homoeoalleles in self-incompatible allohexaploid grasses. <i>Journal of Integrative Plant Biology</i> , <b>2021</b> , 63, 1410-1415	8.3	0
3	Cyanobacterial Community Structure and Isolates From Representative Hot Springs of Yunnan Province, China Using an Integrative Approach.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 872598	5.7	0
2	High-resolution detection of quantitative trait loci for seven important yield-related traits in wheat ( <i>Triticum aestivum</i> L.) using a high-density SLAF-seq genetic map.. <i>BMC Genomic Data</i> , <b>2022</b> , 23, 37	0	0
1	What group 2 innate lymphoid cells tell themselves: autocrine signals play essential roles in mucosal immunity. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 261	21	