

Yang Zhao

List of Publications by Year in Descending Order

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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	Bacterial effectors manipulate plant abscisic acid signaling for creation of an aqueous apoplast.. <i>Cell Host and Microbe</i> , 2022 ,	23.4	4
81	Cyanobacterial Community Structure and Isolates From Representative Hot Springs of Yunnan Province, China Using an Integrative Approach.. <i>Frontiers in Microbiology</i> , 2022 , 13, 872598	5.7	0
80	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> , 2022 , 23, 37	0	0
79	Phosphatidylinositol 3-phosphate regulates SCAB1-mediated F-actin reorganization during stomatal closure in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2021 ,	11.6	1
78	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> , 2021 ,	6	1
77	Targeting Neutrophils in Sepsis: From Mechanism to Translation. <i>Frontiers in Pharmacology</i> , 2021 , 12, 644270	5.6	9
76	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> , 2021 , 134, 2481-2494	6	0
75	Screening for mutants with altered Ca signal response using aequorin-based Ca reporter system. <i>STAR Protocols</i> , 2021 , 2, 100558	1.4	0
74	Simultaneous gene editing of three homoeoalleles in self-incompatible allohexaploid grasses. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 1410-1415	8.3	0
73	ABA signalling promotes cell totipotency in the shoot apex of germinating embryos. <i>Journal of Experimental Botany</i> , 2021 , 72, 6418-6436	7	3
72	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> , 2021 , 118,	11.5	1
71	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> , 2021 , 134, 3625-3641	6	4
70	The LRXs-RALFs-FER module controls plant growth and salt stress responses by modulating multiple plant hormones. <i>National Science Review</i> , 2021 , 8, nwaa149	10.8	11
69	Identification and Validation of a Novel Locus Controlling Spikelet Number in Bread Wheat (L.). <i>Frontiers in Plant Science</i> , 2021 , 12, 611106	6.2	6
68	What group 2 innate lymphoid cells tell themselves: autocrine signals play essential roles in mucosal immunity. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 261	21	
67	A small molecule inhibits cell elongation by modulating cell wall polysaccharide composition in. <i>Cell Surface</i> , 2021 , 7, 100049	4.8	2
66	Phosphorylation of SWEET sucrose transporters regulates plant root:shoot ratio under drought.. <i>Nature Plants</i> , 2021 ,	11.5	10

65	Counteraction of ABA-Mediated Inhibition of Seed Germination and Seedling Establishment by ABA Signaling Terminator in Arabidopsis. <i>Molecular Plant</i> , 2020 , 13, 1284-1297	14.4	20
64	A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. <i>Nature Communications</i> , 2020 , 11, 613	17.4	61
63	Abscisic acid dynamics, signaling, and functions in plants. <i>Journal of Integrative Plant Biology</i> , 2020 , 62, 25-54	8.3	271
62	Alterations in stomatal response to fluctuating light increase biomass and yield of rice under drought conditions. <i>Plant Journal</i> , 2020 , 104, 1334-1347	6.9	6
61	BONZAI Proteins Control Global Osmotic Stress Responses in Plants. <i>Current Biology</i> , 2020 , 30, 4815-4825.e4	15.4	14
60	Thriving under Stress: How Plants Balance Growth and the Stress Response. <i>Developmental Cell</i> , 2020 , 55, 529-543	10.2	38
59	Characterization and allergic role of IL-33-induced neutrophil polarization. <i>Cellular and Molecular Immunology</i> , 2018 , 15, 782-793	15.4	34
58	EAR1 Negatively Regulates ABA Signaling by Enhancing 2C Protein Phosphatase Activity. <i>Plant Cell</i> , 2018 , 30, 815-834	11.6	63
57	Interaction network of core ABA signaling components in maize. <i>Plant Molecular Biology</i> , 2018 , 96, 245-268	15.4	32
56	Reciprocal Regulation of the TOR Kinase and ABA Receptor Balances Plant Growth and Stress Response. <i>Molecular Cell</i> , 2018 , 69, 100-112.e6	17.6	224
55	The origins and homeostasis of monocytes and tissue-resident macrophages in physiological situation. <i>Journal of Cellular Physiology</i> , 2018 , 233, 6425-6439	7	53
54	Arabidopsis Duodecuple Mutant of PYL ABA Receptors Reveals PYL Repression of ABA-Independent SnRK2 Activity. <i>Cell Reports</i> , 2018 , 23, 3340-3351.e5	10.6	81
53	MTOR signaling is essential for the development of thymic epithelial cells and the induction of central immune tolerance. <i>Autophagy</i> , 2018 , 14, 505-517	10.2	17
52	It's Hard to Avoid Avoidance: Uncoupling the Evolutionary Connection between Plant Growth, Productivity and Stress "Tolerance". <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11
51	Identification of Auxin Activity Like 1, a chemical with weak functions in auxin signaling pathway. <i>Plant Molecular Biology</i> , 2018 , 98, 275-287	4.6	1
50	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> , 2018 , 115, 6058-6063	11.5	163
49	Modes of Action Study of Seed Germination Inhibitor Germostatin by Forward Genetics Screening. <i>Methods in Molecular Biology</i> , 2018 , 1795, 143-148	1.4	1
48	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> , 2018 , 503, 495-500	3.4	2

47	The immunological function of CD52 and its targeting in organ transplantation. <i>Inflammation Research</i> , 2017 , 66, 571-578	7.2	47
46	A Novel Chemical Inhibitor of ABA Signaling Targets All ABA Receptors. <i>Plant Physiology</i> , 2017 , 173, 2356-2369	3.4	34
45	Rosbin, a synthetic small molecule, induces A549 cells apoptosis through a ROS-mediated pathway. <i>Cell Biology International</i> , 2017 , 41, 221-226	4.5	2
44	A PRELIMINARY STUDY ON THE FRACTAL PHENOMENON: DISCONNECTED+ DISCONNECTED=CONNECTED. <i>Fractals</i> , 2017 , 25, 1750004	3.2	5
43	The SnRK2 kinases modulate miRNA accumulation in Arabidopsis. <i>PLoS Genetics</i> , 2017 , 13, e1006753	6	56
42	Impact of aging immune system on neurodegeneration and potential immunotherapies. <i>Progress in Neurobiology</i> , 2017 , 157, 2-28	10.9	29
41	Fractional-order iterative learning control with initial state learning design. <i>Nonlinear Dynamics</i> , 2017 , 90, 1257-1268	5	8
40	A novel iterative learning path-tracking control for nonholonomic mobile robots against initial shifts. <i>International Journal of Advanced Robotic Systems</i> , 2017 , 14, 172988141771063	1.4	13
39	Control of Plant Water Use by ABA Induction of Senescence and Dormancy: An Overlooked Lesson from Evolution. <i>Plant and Cell Physiology</i> , 2017 , 58, 1319-1327	4.9	35
38	Path-tracking of mobile robot using feedback-aided P-type iterative learning control against initial state error 2017 ,		1
37	Wip1 Deficiency Promotes Neutrophil Recruitment to the Infection Site and Improves Sepsis Outcome. <i>Frontiers in Immunology</i> , 2017 , 8, 1023	8.4	5
36	Triplin, a small molecule, reveals copper ion transport in ethylene signaling from ATX1 to RAN1. <i>PLoS Genetics</i> , 2017 , 13, e1006703	6	21
35	Petroleum ether extract of L. prevents cell growth and induces apoptosis of human lung cancer cells. <i>Experimental and Therapeutic Medicine</i> , 2016 , 12, 3301-3307	2.1	6
34	mTOR masters monocytic myeloid-derived suppressor cells in mice with allografts or tumors. <i>Scientific Reports</i> , 2016 , 6, 20250	4.9	73
33	The ABA receptor PYL9 together with PYL8 plays an important role in regulating lateral root growth. <i>Scientific Reports</i> , 2016 , 6, 27177	4.9	73
32	CASEIN KINASE1-LIKE PROTEIN2 Regulates Actin Filament Stability and Stomatal Closure via Phosphorylation of Actin Depolymerizing Factor. <i>Plant Cell</i> , 2016 , 28, 1422-39	11.6	61
31	Germostatin resistance locus 1 encodes a PHD finger protein involved in auxin-mediated seed dormancy and germination. <i>Plant Journal</i> , 2016 , 85, 3-15	6.9	20
30	Control of the spatial Mandelbrot set generated in coupled map lattice. <i>Nonlinear Dynamics</i> , 2016 , 84, 1795-1803	5	10

29	ABA receptor PYL9 promotes drought resistance and leaf senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1949-54	11.5	303
28	Type One Protein Phosphatase 1 and Its Regulatory Protein Inhibitor 2 Negatively Regulate ABA Signaling. <i>PLoS Genetics</i> , 2016 , 12, e1005835	6	36
27	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> , 2016 , 40, 686-95	4.5	1
26	Information weighted consensus filtering with improved convergence rate 2016 ,		2
25	The pleiotropic effects of the seed germination inhibitor germinstatin. <i>Plant Signaling and Behavior</i> , 2016 , 11, e1144000	2.5	3
24	SCAB3 Is Required for Reorganization of Actin Filaments during Light Quality Changes. <i>Journal of Genetics and Genomics</i> , 2015 , 42, 161-8	4	3
23	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> , 2015 , 168, 659-76	6.6	76
22	Stomatal guard cells co-opted an ancient ABA-dependent desiccation survival system to regulate stomatal closure. <i>Current Biology</i> , 2015 , 25, 928-35	6.3	113
21	Memory identification of fractional order systems: Background and theory 2015 ,		3
20	Specific but interdependent functions for Arabidopsis AGO4 and AGO6 in RNA-directed DNA methylation. <i>EMBO Journal</i> , 2015 , 34, 581-92	13	57
19	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> , 2015 , 112, 613-8	11.5	256
18	Cytosolic carboxypeptidase CCP6 is required for megakaryopoiesis by modulating Mad2 polyglutamylolation. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2439-54	16.6	23
17	H2O2 inhibits ABA-signaling protein phosphatase HAB1. <i>PLoS ONE</i> , 2014 , 9, e113643	3.7	17
16	Complete parametric identification of fractional order Hammerstein systems 2014 ,		3
15	A wheat allene oxide cyclase gene enhances salinity tolerance via jasmonate signaling. <i>Plant Physiology</i> , 2014 , 164, 1068-76	6.6	128
14	The ABA receptor PYL8 promotes lateral root growth by enhancing MYB77-dependent transcription of auxin-responsive genes. <i>Science Signaling</i> , 2014 , 7, ra53	8.8	193
13	Interactions between soybean ABA receptors and type 2C protein phosphatases. <i>Plant Molecular Biology</i> , 2013 , 83, 651-64	4.6	64
12	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> , 2013 , 110, 15467-72	11.5	66

11	The unique mode of action of a divergent member of the ABA-receptor protein family in ABA and stress signaling. <i>Cell Research</i> , 2013 , 23, 1380-95	24.7	85
10	An ABA-mimicking ligand that reduces water loss and promotes drought resistance in plants. <i>Cell Research</i> , 2013 , 23, 1043-54	24.7	126
9	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> , 2013 , 110, 15485-90	11.5	263
8	A high-throughput method for screening Arabidopsis mutants with disordered abiotic stress-induced calcium signal. <i>Journal of Genetics and Genomics</i> , 2012 , 39, 225-35	4	21
7	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> , 2012 , 876, 107-16	1.4	5
6	Plant actin-binding protein SCAB1 is dimeric actin cross-linker with atypical pleckstrin homology domain. <i>Journal of Biological Chemistry</i> , 2012 , 287, 11981-90	5.4	13
5	pH induced elastic modulus of guard cell wall in stomatal movement. <i>Science Bulletin</i> , 2011 , 56, 3554-3557		3
4	The plant-specific actin binding protein SCAB1 stabilizes actin filaments and regulates stomatal movement in Arabidopsis. <i>Plant Cell</i> , 2011 , 23, 2314-30	11.6	71
3	Abscisic acid inhibits type 2C protein phosphatases via the PYR/PYL family of START proteins. <i>Science</i> , 2009 , 324, 1068-71	33.3	1782
2	Chemical genetic interrogation of natural variation uncovers a molecule that is glycoactivated. <i>Nature Chemical Biology</i> , 2007 , 3, 716-21	11.7	95
1	SAD2, an importin -like protein, is required for UV-B response in Arabidopsis by mediating MYB4 nuclear trafficking. <i>Plant Cell</i> , 2007 , 19, 3805-18	11.6	131