

# Zhen Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4692913/publications.pdf>

Version: 2024-02-01

46  
papers

2,015  
citations

304743

22  
h-index

265206

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic remodeling maintains a reducing environment for rapid activation of the yeast DNA replication checkpoint. <i>EMBO Journal</i> , 2022, 41, e108290.	7.8	8
2	COP1 positively regulates ABA signaling during Arabidopsis seedling growth in darkness by mediating ABA-induced ABI5 accumulation. <i>Plant Cell</i> , 2022, 34, 2286-2308.	6.6	17
3	Receptor-like protein kinase BAK1 promotes K <sup>+</sup> uptake by regulating H <sup>+</sup> -ATPase AHA2 under low potassium stress. <i>Plant Physiology</i> , 2022, 189, 2227-2243.	4.8	8
4	RAF22, ABI1 and OST1 form a dynamic interactive network that optimizes plant growth and responses to drought stress in Arabidopsis. <i>Molecular Plant</i> , 2022, 15, 1192-1210.	8.3	22
5	Proximity labeling: an emerging tool for probing in planta molecular interactions. <i>Plant Communications</i> , 2021, 2, 100137.	7.7	36
6	Arabidopsis U-box E3 ubiquitin ligase PUB11 negatively regulates drought tolerance by degrading the receptor-like protein kinases LRR1 and KIN7. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 494-509.	8.5	52
7	A potassium-sensing niche in Arabidopsis roots orchestrates signaling and adaptation responses to maintain nutrient homeostasis. <i>Developmental Cell</i> , 2021, 56, 781-794.e6.	7.0	29
8	Metabolomics-driven gene mining and genetic improvement of tolerance to salt-induced osmotic stress in maize. <i>New Phytologist</i> , 2021, 230, 2355-2370.	7.3	46
9	Oocyte-derived microvilli control female fertility by optimizing ovarian follicle selection in mice. <i>Nature Communications</i> , 2021, 12, 2523.	12.8	35
10	A natural single nucleotide polymorphism variant in <i>sulfite reductase</i> influences sulfur assimilation in maize. <i>New Phytologist</i> , 2021, 232, 692-704.	7.3	2
11	<i>Verticillium dahliae</i> effector VDAL protects MYB6 from degradation by interacting with PUB25 and PUB26 E3 ligases to enhance <i>Verticillium</i> wilt resistance. <i>Plant Cell</i> , 2021, 33, 3675-3699.	6.6	39
12	Quantification of lectin in soybeans and soy products by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1185, 122987.	2.3	9
13	Membrane proteomic analysis reveals the intestinal development is deteriorated by intrauterine growth restriction in piglets. <i>Functional and Integrative Genomics</i> , 2020, 20, 277-291.	3.5	6
14	Characterization of the dimeric CMG/pre-initiation complex and its transition into DNA replication forks. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3041-3058.	5.4	7
15	Importers Drive Leaf-to-Leaf Jasmonic Acid Transmission in Wound-Induced Systemic Immunity. <i>Molecular Plant</i> , 2020, 13, 1485-1498.	8.3	31
16	In vivo and in vitro activation of dormant primordial follicles by EGF treatment in mouse and human. <i>Clinical and Translational Medicine</i> , 2020, 10, e182.	4.0	25
17	The GSK3-like Kinase BIN2 Is a Molecular Switch between the Salt Stress Response and Growth Recovery in Arabidopsis thaliana. <i>Developmental Cell</i> , 2020, 55, 367-380.e6.	7.0	85
18	KUP9 maintains root meristem activity by regulating K <sup>+</sup> and auxin homeostasis in response to low K. <i>EMBO Reports</i> , 2020, 21, e50164.	4.5	43

#	ARTICLE	IF	CITATIONS
19	PHYTOCHROME-INTERACTING FACTORS Interact with the ABA Receptors PYL8 and PYL9 to Orchestrate ABA Signaling in Darkness. <i>Molecular Plant</i> , 2020, 13, 414-430.	8.3	69
20	iTRAQ-Based Quantitative Proteomic Analysis of the Arabidopsis Mutant opr3-1 in Response to Exogenous MeJA. <i>International Journal of Molecular Sciences</i> , 2020, 21, 571.	4.1	5
21	Mck1 defines a key S-phase checkpoint effector in response to various degrees of replication threats. <i>PLoS Genetics</i> , 2019, 15, e1008136.	3.5	9
22	Evolutionary Metabolomics Identifies Substantial Metabolic Divergence between Maize and Its Wild Ancestor, Teosinte. <i>Plant Cell</i> , 2019, 31, 1990-2009.	6.6	69
23	Dynamic changes of postprandial plasma metabolites after intake of corn-soybean meal or casein-starch diets in growing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 48.	5.3	4
24	Phosphoproteomic Analysis of Two Contrasting Maize Inbred Lines Provides Insights into the Mechanism of Salt-Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1886.	4.1	26
25	Cul4-Ddb1 ubiquitin ligases facilitate DNA replication-coupled sister chromatid cohesion through regulation of cohesin acetyltransferase Esco2. <i>PLoS Genetics</i> , 2019, 15, e1007685.	3.5	19
26	Phytochrome A Negatively Regulates the Shade Avoidance Response by Increasing Auxin/Indole Acetic Acid Protein Stability. <i>Developmental Cell</i> , 2018, 44, 29-41.e4.	7.0	97
27	Hinge region of <i>Arabidopsis</i> phyA plays an important role in regulating phyA function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11864-E11873.	7.1	22
28	Differences in the Gut Microbiota Establishment and Metabolome Characteristics Between Low- and Normal-Birth-Weight Piglets During Early-Life. <i>Frontiers in Microbiology</i> , 2018, 9, 1798.	3.5	74
29	Diurnal protein oscillation profiles in <i>Drosophila</i> head. <i>FEBS Letters</i> , 2018, 592, 3736-3749.	2.8	6
30	The Antagonistic Action of Abscisic Acid and Cytokinin Signaling Mediates Drought Stress Response in Arabidopsis. <i>Molecular Plant</i> , 2018, 11, 970-982.	8.3	217
31	Integrative analysis of indirect calorimetry and metabolomics profiling reveals alterations in energy metabolism between fed and fasted pigs. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 41.	5.3	22
32	Mass spectrometry-based metabolomics and chemometric analysis of Pu-erh teas of various origins. <i>Food Chemistry</i> , 2018, 268, 271-278.	8.2	60
33	Purification and Quantification of Kunitz Trypsin Inhibitor in Soybean Using Two-Dimensional Liquid Chromatography. <i>Food Analytical Methods</i> , 2017, 10, 3350-3360.	2.6	20
34	Plasma Membrane CRPK1-Mediated Phosphorylation of 14-3-3 Proteins Induces Their Nuclear Import to Fine-Tune CBF Signaling during Cold Response. <i>Molecular Cell</i> , 2017, 66, 117-128.e5.	9.7	281
35	Microwave-assisted digestion and NaOH treatment of waste-activated sludge to recover phosphorus by crystallizing struvite. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1211-1222.	2.2	15
36	Sensitive Analysis of 33 Free Amino Acids in Serum, Milk, and Muscle by Ultra-High Performance Liquid Chromatography-Quadrupole-Orbitrap High Resolution Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 2814-2823.	2.6	20

#	ARTICLE	IF	CITATIONS
37	Effects of MeJA on Arabidopsis metabolome under endogenous JA deficiency. <i>Scientific Reports</i> , 2016, 6, 37674.	3.3	55
38	Mesoporous metal oxide nanoparticles for selective enrichment of phosphopeptides from complex sample matrices. <i>Analytical Methods</i> , 2016, 8, 7747-7754.	2.7	8
39	Optimizing the interaction between poly(vinyl alcohol) and sandy soil for enhanced water retention performance. <i>RSC Advances</i> , 2016, 6, 13377-13383.	3.6	17
40	Determination of Melatonin and Its Metabolites in Biological Fluids and Eggs Using High-Performance Liquid Chromatography with Fluorescence and Quadrupole-Orbitrap High-Resolution Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 1142-1149.	2.6	18
41	Broad screening and identification of $\beta$ -agonists in feed and animal body fluid and tissues using ultra-high performance liquid chromatography-quadrupole-orbitrap high resolution mass spectrometry combined with spectra library search. <i>Food Chemistry</i> , 2016, 192, 188-196.	8.2	48
42	Cell-Cycle-Regulated Interaction between Mcm10 and Double Hexameric Mcm2-7 Is Required for Helicase Splitting and Activation during S Phase. <i>Cell Reports</i> , 2015, 13, 2576-2586.	6.4	51
43	A Chaperone Function of NO CATALASE ACTIVITY1 Is Required to Maintain Catalase Activity and for Multiple Stress Responses in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 908-925.	6.6	139
44	Metabolomics analysis of muscle from piglets fed low protein diets supplemented with branched chain amino acids using HPLC-high-resolution MS. <i>Electrophoresis</i> , 2015, 36, 2250-2258.	2.4	12
45	Determination of Paraquat in Vegetables Using HPLC-MS-MS. <i>Journal of Chromatographic Science</i> , 2015, 53, 204-209.	1.4	44
46	Rapid colorimetric sensing of tetracycline antibiotics with in situ growth of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 839, 83-90.	5.4	88