

Zhen Li

List of Publications by Year in descending order

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46
papers

2,015
citations

304743

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265206

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times ranked

2824
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Evolutionary Metabolomics Identifies Substantial Metabolic Divergence between Maize and Its Wild Ancestor, Teosinte. <i>Plant Cell</i> , 2019, 31, 1990-2009.	6.6	69
9	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
10	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
11	Effects of MeJA on Arabidopsis metabolome under endogenous JA deficiency. <i>Scientific Reports</i> , 2016, 6, 37674.	3.3	55
12	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
13	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
14	Broad screening and identification of β^2 -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
15	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
16	Determination of Paraquat in Vegetables Using HPLC-MS-MS. <i>Journal of Chromatographic Science</i> , 2015, 53, 204-209.	1.4	44
17	KUP9 maintains root meristem activity by regulating K ⁺ and auxin homeostasis in response to low K. <i>EMBO Reports</i> , 2020, 21, e50164.	4.5	43
18	Verticillium dahliae effector VDAL protects MYB6 from degradation by interacting with PUB25 and PUB26 E3 ligases to enhance Verticillium wilt resistance. <i>Plant Cell</i> , 2021, 33, 3675-3699.	6.6	39

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19	Proximity labeling: an emerging tool for probing in <i>Arabidopsis</i> molecular interactions. <i>Plant Communications</i> , 2021, 2, 100137.	7.7	36
20	Oocyte-derived microvilli control female fertility by optimizing ovarian follicle selection in mice. <i>Nature Communications</i> , 2021, 12, 2523.	12.8	35
21	Importers Drive Leaf-to-Leaf Jasmonic Acid Transmission in Wound-Induced Systemic Immunity. <i>Molecular Plant</i> , 2020, 13, 1485-1498.	8.3	31
22	A potassium-sensing niche in <i>Arabidopsis</i> roots orchestrates signaling and adaptation responses to maintain nutrient homeostasis. <i>Developmental Cell</i> , 2021, 56, 781-794.e6.	7.0	29
23	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
24	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
25	Hinge region of <i>Arabidopsis</i> <i>phyA</i> plays an important role in regulating <i>phyA</i> function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11864-E11873.	7.1	22
26	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
27	RAF22, ABI1 and OST1 form a dynamic interactive network that optimizes plant growth and responses to drought stress in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2022, 15, 1192-1210.	8.3	22
28	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
29	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
30	Cul4-Ddb1 ubiquitin ligases facilitate DNA replication-coupled sister chromatid cohesion through regulation of cohesin acetyltransferase Escp2. <i>PLoS Genetics</i> , 2019, 15, e1007685.	3.5	19
31	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
32	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
33	COP1 positively regulates ABA signaling during <i>Arabidopsis</i> seedling growth in darkness by mediating ABA-induced ABI5 accumulation. <i>Plant Cell</i> , 2022, 34, 2286-2308.	6.6	17
34	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
35	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
36	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

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37	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
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	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
40	Receptor-like protein kinase BAK1 promotes K ⁺ uptake by regulating H ⁺ -ATPase AHA2 under low potassium stress. <i>Plant Physiology</i> , 2022, 189, 2227-2243.	4.8	8
41	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
42	Diurnal protein oscillation profiles in <i>Drosophila</i> head. <i>FEBS Letters</i> , 2018, 592, 3736-3749.	2.8	6
43	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
44	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
45	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
46	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