

# Yingchun Wang

## 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.

92  
papers

2,858  
citations

24  
h-index

51  
g-index

100  
ext. papers

4,002  
ext. citations

8.5  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
92	The FLS2-associated kinase BIK1 directly phosphorylates the NADPH oxidase RbohD to control plant immunity. <i>Cell Host and Microbe</i> , <b>2014</b> , 15, 329-38	23.4	424
91	Apoplastic ROS signaling in plant immunity. <i>Current Opinion in Plant Biology</i> , <b>2017</b> , 38, 92-100	9.9	198
90	Protein kinase C controls lysosome biogenesis independently of mTORC1. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 1065-77	23.4	190
89	Arabidopsis heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. <i>ELife</i> , <b>2016</b> , 5, e13568	8.9	152
88	Site-specific nitrosoproteomic identification of endogenously S-nitrosylated proteins in Arabidopsis. <i>Plant Physiology</i> , <b>2015</b> , 167, 1731-46	6.6	149
87	Nitrate-NRT1.1B-SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. <i>Nature Plants</i> , <b>2019</b> , 5, 401-413	11.5	133
86	Seipin promotes adipose tissue fat storage through the ER Ca <sup>2+</sup> -ATPase SERCA. <i>Cell Metabolism</i> , <b>2014</b> , 19, 861-71	24.6	107
85	A Regulatory Module Controlling Homeostasis of a Plant Immune Kinase. <i>Molecular Cell</i> , <b>2018</b> , 69, 493-504. <del>11.6</del>	11.6	88
84	The effects of graded levels of calorie restriction: I. impact of short term calorie and protein restriction on body composition in the C57BL/6 mouse. <i>Oncotarget</i> , <b>2015</b> , 6, 15902-30	3.3	65
83	Mitogen-Activated Protein Kinase Cascade MKK7-MPK6 Plays Important Roles in Plant Development and Regulates Shoot Branching by Phosphorylating PIN1 in Arabidopsis. <i>PLoS Biology</i> , <b>2016</b> , 14, e1002550	9.7	65
82	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in Arabidopsis. <i>Plant Physiology</i> , <b>2018</b> , 176, 2991-3002	6.6	62
81	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , <b>2015</b> , 25, 621-33	24.7	57
80	The effects of graded levels of calorie restriction: II. Impact of short term calorie and protein restriction on circulating hormone levels, glucose homeostasis and oxidative stress in male C57BL/6 mice. <i>Oncotarget</i> , <b>2015</b> , 6, 23213-37	3.3	56
79	SCF(SAP) controls organ size by targeting PPD proteins for degradation in Arabidopsis thaliana. <i>Nature Communications</i> , <b>2016</b> , 7, 11192	17.4	56
78	Ligand-triggered de-repression of Arabidopsis heterotrimeric G proteins coupled to immune receptor kinases. <i>Cell Research</i> , <b>2018</b> , 28, 529-543	24.7	50
77	BRI1 and BAK1 interact with G proteins and regulate sugar-responsive growth and development in Arabidopsis. <i>Nature Communications</i> , <b>2018</b> , 9, 1522	17.4	48
76	PUB25 and PUB26 Promote Plant Freezing Tolerance by Degrading the Cold Signaling Negative Regulator MYB15. <i>Developmental Cell</i> , <b>2019</b> , 51, 222-235.e5	10.2	44

75	The CAMSAP3-ACF7 Complex Couples Noncentrosomal Microtubules with Actin Filaments to Coordinate Their Dynamics. <i>Developmental Cell</i> , <b>2016</b> , 39, 61-74	10.2	40
74	The effects of graded levels of calorie restriction: III. Impact of short term calorie and protein restriction on mean daily body temperature and torpor use in the C57BL/6 mouse. <i>Oncotarget</i> , <b>2015</b> , 6, 18314-37	3.3	38
73	The effects of graded levels of calorie restriction: IX. Global metabolomic screen reveals modulation of carnitines, sphingolipids and bile acids in the liver of C57BL/6 mice. <i>Aging Cell</i> , <b>2017</b> , 16, 529-540	9.9	32
72	Seipin regulates lipid homeostasis by ensuring calcium-dependent mitochondrial metabolism. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	32
71	The effects of graded levels of calorie restriction: V. Impact of short term calorie and protein restriction on physical activity in the C57BL/6 mouse. <i>Oncotarget</i> , <b>2016</b> , 7, 19147-70	3.3	30
70	Ca-Stimulated AMPK-Dependent Phosphorylation of Exo1 Protects Stressed Replication Forks from Aberrant Resection. <i>Molecular Cell</i> , <b>2019</b> , 74, 1123-1137.e6	17.6	26
69	Toward the complete proteome of <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , <b>2015</b> , 126, 203-319	3.9	24
68	A multi-omics investigation of the composition and function of extracellular vesicles along the temporal trajectory of COVID-19. <i>Nature Metabolism</i> , <b>2021</b> , 3, 909-922	14.6	24
67	Translation repression by maternal RNA binding protein Zar1 is essential for early oogenesis in zebrafish. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 128-138	6.6	24
66	Protomer Roles in Chloroplast Chaperonin Assembly and Function. <i>Molecular Plant</i> , <b>2015</b> , 8, 1478-92	14.4	23
65	The effects of graded levels of calorie restriction: XI. Evaluation of the main hypotheses underpinning the life extension effects of CR using the hepatic transcriptome. <i>Aging</i> , <b>2017</b> , 9, 1770-1824	5.6	23
64	mTERF5 Acts as a Transcriptional Pausing Factor to Positively Regulate Transcription of Chloroplast psbEFLJ. <i>Molecular Plant</i> , <b>2019</b> , 12, 1259-1277	14.4	22
63	Mea6 controls VLDL transport through the coordinated regulation of COPII assembly. <i>Cell Research</i> , <b>2016</b> , 26, 787-804	24.7	21
62	CDK4/6 regulate lysosome biogenesis through TFEB/TFE3. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	21
61	NuRD mediates mitochondrial stress-induced longevity via chromatin remodeling in response to acetyl-CoA level. <i>Science Advances</i> , <b>2020</b> , 6, eabb2529	14.3	21
60	The effects of graded levels of calorie restriction: VI. Impact of short-term graded calorie restriction on transcriptomic responses of the hypothalamic hunger and circadian signaling pathways. <i>Aging</i> , <b>2016</b> , 8, 642-63	5.6	20
59	The effects of graded levels of calorie restriction: VIII. Impact of short term calorie and protein restriction on basal metabolic rate in the C57BL/6 mouse. <i>Oncotarget</i> , <b>2017</b> , 8, 17453-17474	3.3	20
58	Phosphorylation of Def Regulates Nucleolar p53 Turnover and Cell Cycle Progression through Def Recruitment of Calpain3. <i>PLoS Biology</i> , <b>2016</b> , 14, e1002555	9.7	20

57	Trophic Mode-Dependent Proteomic Analysis Reveals Functional Significance of Light-Independent Chlorophyll Synthesis in <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Plant</i> , <b>2017</b> , 10, 73-85	14.4	19
56	Methods for pseudopodia purification and proteomic analysis. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , <b>2007</b> , 2007, p14		19
55	The 15 subunit is essential for intact 26S proteasome assembly to specifically promote plant autotrophic growth under salt stress. <i>New Phytologist</i> , <b>2019</b> , 221, 1359-1368	9.8	19
54	A Light Harvesting Complex-Like Protein in Maintenance of Photosynthetic Components in. <i>Plant Physiology</i> , <b>2017</b> , 174, 2419-2433	6.6	18
53	Computational methods for comparison of large genomic and proteomic datasets reveal protein markers of metastatic cancer. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 907-15	5.6	17
52	PPAR $\gamma$ maintains the metabolic heterogeneity and homeostasis of renal tubules. <i>EBioMedicine</i> , <b>2018</b> , 38, 178-190	8.8	17
51	Aged monkey brains reveal the role of ubiquitin-conjugating enzyme UBE2N in the synaptosomal accumulation of mutant huntingtin. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 1350-62	5.6	16
50	Overdosage of Balanced Protein Complexes Reduces Proliferation Rate in Aneuploid Cells. <i>Cell Systems</i> , <b>2019</b> , 9, 129-142.e5	10.6	16
49	Comparative proteome analysis of saccular intracranial aneurysms with iTRAQ quantitative proteomics. <i>Journal of Proteomics</i> , <b>2016</b> , 130, 120-8	3.9	15
48	Translating Divergent Environmental Stresses into a Common Proteome Response through the Histidine Kinase 33 (Hik33) in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, 1258-1274 <sup>15</sup>	7.6	15
47	The effects of graded levels of calorie restriction: IV. Non-linear change in behavioural phenotype of mice in response to short-term calorie restriction. <i>Scientific Reports</i> , <b>2015</b> , 5, 13198	4.9	15
46	Spatial phosphoprotein profiling reveals a compartmentalized extracellular signal-regulated kinase switch governing neurite growth and retraction. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 18190-201	5.4	15
45	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. <i>Aging</i> , <b>2016</b> , 8, 917-32	5.6	15
44	Control of Grain Size and Weight by the GSK2-LARGE1/OML4 Pathway in Rice. <i>Plant Cell</i> , <b>2020</b> , 32, 1905-1918	10.6	15
43	PhosphoBlast, a computational tool for comparing phosphoprotein signatures among large datasets. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 145-62	7.6	14
42	Ablation of SNX6 leads to defects in synaptic function of CA1 pyramidal neurons and spatial memory. <i>ELife</i> , <b>2017</b> , 6,	8.9	14
41	Biochemical purification of pseudopodia from migratory cells. <i>Methods in Molecular Biology</i> , <b>2007</b> , 370, 55-66	1.4	13
40	Substrate-independent immunomodulatory characteristics of mesenchymal stem cells in three-dimensional culture. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206811	3.7	13

39	cTAGE5/MEA6 plays a critical role in neuronal cellular components trafficking and brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E9449-E9458	11.5	13
38	Systematically ranking the tightness of membrane association for peripheral membrane proteins (PMPs). <i>Molecular and Cellular Proteomics</i> , <b>2015</b> , 14, 340-53	7.6	12
37	The Effects of Graded Levels of Calorie Restriction: X. Transcriptomic Responses of Epididymal Adipose Tissue. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 279-288	6.4	11
36	Extensive protein S-nitrosylation associated with human pancreatic ductal adenocarcinoma pathogenesis. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 914	9.8	10
35	The Effects of Graded Levels of Calorie Restriction: XIV. Global Metabolomics Screen Reveals Brown Adipose Tissue Changes in Amino Acids, Catecholamines, and Antioxidants After Short-Term Restriction in C57BL/6 Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 218-229	6.4	9
34	Phosphorylation of serine/arginine-rich splicing factor 1 at tyrosine 19 promotes cell proliferation in pediatric acute lymphoblastic leukemia. <i>Cancer Science</i> , <b>2018</b> , 109, 3805-3815	6.9	9
33	Nitration-induced ubiquitination and degradation control quality of ERK1. <i>Biochemical Journal</i> , <b>2019</b> , 476, 1911-1926	3.8	8
32	ERAD-related E2 and E3 enzymes modulate the drought response by regulating the stability of PIP2 aquaporins. <i>Plant Cell</i> , <b>2021</b> , 33, 2883-2898	11.6	7
31	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. <i>Molecular Plant</i> , <b>2021</b> , 14, 517-529	14.4	7
30	The Effects of Graded Levels of Calorie Restriction: XIII. Global Metabolomics Screen Reveals Graded Changes in Circulating Amino Acids, Vitamins, and Bile Acids in the Plasma of C57BL/6 Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 16-26	6.4	6
29	An unreported NB-LRR protein SUT1 is required for the autoimmune response mediated by type one protein phosphatase 4 mutation (topp4-1) in Arabidopsis. <i>Plant Journal</i> , <b>2019</b> , 100, 357-373	6.9	6
28	The Calponin Family Member CHDP-1 Interacts with Rac/CED-10 to Promote Cell Protrusions. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006163	6	6
27	Sequences, Domain Architectures, and Biological Functions of the Serine/Threonine and Histidine Kinases in Synechocystis sp. PCC 6803. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 188, 1022-1065	3.2	6
26	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. <i>Nature Plants</i> , <b>2021</b> , 7, 1108-1118	11.5	6
25	A Kinase-Phosphatase-Transcription Factor Module Regulates Adventitious Root Emergence in Arabidopsis Root-Hypocotyl Junctions. <i>Molecular Plant</i> , <b>2020</b> , 13, 1162-1177	14.4	4
24	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. <i>Journal of Proteomics</i> , <b>2018</b> , 179, 100-109	3.9	4
23	Bidirectional factors impact the migration of NK cells to draining lymph node in aged mice during influenza virus infection. <i>Experimental Gerontology</i> , <b>2017</b> , 96, 127-137	4.5	4
22	The Effects of Graded Levels of Calorie Restriction: XVI. Metabolomic Changes in the Cerebellum Indicate Activation of Hypothalamocerebellar Connections Driven by Hunger Responses. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2021</b> , 76, 601-610	6.4	4

21	Tyrosine nitration of human ERK1 introduces an intra-hydrogen bond by molecular dynamics simulations. <i>Structural Chemistry</i> , <b>2019</b> , 30, 1459-1470	1.8	3
20	The Quantitative Proteome Atlas of a Model Cyanobacterium. <i>Journal of Genetics and Genomics</i> , <b>2021</b> ,	4	3
19	CAMSAP1 breaks the homeostatic microtubule network to instruct neuronal polarity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 22193-22203	11.5	3
18	A zinc transporter, transmembrane protein 163, is critical for the biogenesis of platelet dense granules. <i>Blood</i> , <b>2021</b> , 137, 1804-1817	2.2	3
17	Ubiquitination of non-lysine residues in the retroviral integrase. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 494, 57-62	3.4	2
16	Capn3 depletion causes Chk1 and Wee1 accumulation and disrupts synchronization of cell cycle reentry during liver regeneration after partial hepatectomy. <i>Cell Regeneration</i> , <b>2020</b> , 9, 8	2.5	2
15	Quantitative profiling of spreading-coupled protein tyrosine phosphorylation in migratory cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 31811	4.9	2
14	Post-translational Modifications of Serine/Threonine and Histidine Kinases and Their Roles in Signal Transductions in <i>Synechocystis</i> Sp. PCC 6803. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 687-716 <sup>2,2</sup>	2.2	2
13	The Effects of Graded Levels of Calorie Restriction XV: Phase Space Attractors Reveal Distinct Behavioral Phenotypes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 858-866	6.4	1
12	An RDH-Plin2 axis modulates lipid droplet size by antagonizing Bmm lipase.. <i>EMBO Reports</i> , <b>2022</b> , e52666 <sup>0.5</sup>	6.5	1
11	A Systematic Survey of the Light/Dark-dependent Protein Degradation Events in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , <b>2021</b> , 20, 100162	7.6	1
10	Slr0320 Is Crucial for Optimal Function of Photosystem II during High Light Acclimation in sp. PCC 6803. <i>Life</i> , <b>2021</b> , 11,	3	1
9	Activation of the Oxidative Pentose Phosphate Pathway is Critical for Photomixotrophic Growth of a hik33-Deletion Mutant of <i>Synechocystis</i> sp. PCC 6803. <i>Proteomics</i> , <b>2018</b> , 18, e1800046	4.8	1
8	Plant Phosphopeptides Enrichment by Immobilized Metal Ion Affinity Chromatography. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2358, 145-157	1.4	1
7	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice.. <i>Molecular Plant</i> , <b>2022</b> , 15, 740-754	14.4	1
6	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	0
5	RNA kinase CLP1/Cbc regulates meiosis initiation in spermatogenesis. <i>Human Molecular Genetics</i> , <b>2021</b> , 30, 1569-1578	5.6	0
4	NAD kinase sustains lipogenesis and mitochondrial metabolism through fatty acid synthesis.. <i>Cell Reports</i> , <b>2021</b> , 37, 110157	10.6	0

3	Phosphorylation of Yun is required for stem cell proliferation and tumorigenesis.. <i>Cell Proliferation</i> , <b>2022</b> , e13230	7.9	o
2	Evaluation of the Potential Risk of Advanced Peak Determination in Distorting Isobaric Labeling-Based Single-Shot Proteome Quantitation. <i>Proteomics</i> , <b>2020</b> , 20, e1900255	4.8	
1	Ser/Thr Protein Kinase Spkl Affects Photosynthetic Efficiency in <i>Synechocystis</i> sp. PCC 6803 upon Salt Stress. <i>Life</i> , <b>2022</b> , 12, 713	3	