

# Yingchun Wang

## List of Articles by Year in descending order

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PR citations

131940

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89381

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citing authors

#	ARTICLE	IF	CITATIONS
1	TavWA1 is critical for wheat growth by modulating cell morphology and arrangement. <i>Journal of Integrative Plant Biology</i> , 2025, 67, 71-86.	8.9	1
2	TMBIM-2 orchestrates systemic mitochondrial stress response via facilitating Ca <sup>2+</sup> oscillations. <i>Journal of Cell Biology</i> , 2025, 224, .	5.4	5
3	A molecular framework for the GS2-SUG1 module-mediated control of grain size and weight in rice. <i>Nature Communications</i> , 2025, 16, .	13.7	10
4	Plant glutamyl-tRNA reductases coordinate plant and rhizobial heme biosynthesis in nitrogen-fixing nodules. <i>Plant Cell</i> , 2025, 37, .	7.6	3
5	Glycosyltransferase Slr1064 regulates carbon metabolism by modulating the levels of UDP-GlcNAc in <i>Synechocystis</i> sp. PCC 6803. <i>New Phytologist</i> , 2024, 243, 936-950.	8.1	4
6	Wnt/Wingless signaling promotes lipid mobilization through signal-induced transcriptional repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2024, 121, .	7.5	7
7	BRASSINOSTEROID SIGNALING KINASE 1 modulates OPEN STOMATA 1 phosphorylation and contributes to stomatal closure and plant immunity. <i>Plant Journal</i> , 2024, 120, 45-59.	6.2	6
8	Control of grain size and weight by the RNA-binding protein EOG1 in rice and wheat. <i>Cell Reports</i> , 2024, 43, 114856.	6.3	11
9	The Effects of Graded Levels of Calorie Restriction: XIX. Impact of Graded Calorie Restriction on Protein Expression in the Liver. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 1125-1134.	3.5	11
10	Spatial Proteome Reorganization of a Photosynthetic Model Cyanobacterium in Response to Abiotic Stresses. <i>Journal of Proteome Research</i> , 2023, 22, 1255-1269.	3.4	4
11	A Cl <sup>3</sup> protein regulates alkaline sensitivity in crops. <i>Science</i> , 2023, 379, .	36.2	278
12	Parallel Proteomic Comparison of Mutants With Altered Carbon Metabolism Reveals Hik8 Regulation of PII Phosphorylation and Glycogen Accumulation in a Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100582.	3.0	10
13	Efficient scavenging of reactive carbonyl species in chloroplasts is required for light acclimation and fitness of plants. <i>New Phytologist</i> , 2023, 240, 676-693.	8.1	8
14	CAMSAP1 role in orchestrating structure and dynamics of manchette microtubule minus-ends impacts male fertility during spermiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.5	24
15	GreenPhos, a universal method for in-depth measurement of plant phosphoproteomes with high quantitative reproducibility. <i>Molecular Plant</i> , 2023, 17, 199-213.	18.9	11
16	The quantitative proteome atlas of a model cyanobacterium. <i>Journal of Genetics and Genomics</i> , 2022, 49, 96-108.	5.0	23
17	The UBP14-CDKB1;1-CDKG2 cascade controls endoreduplication and cell growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 1308-1325.	7.6	29
18	Regulation of nitrogen starvation responses by the alarmone (p)ppGpp in rice. <i>Journal of Genetics and Genomics</i> , 2022, 49, 469-480.	5.0	17

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19	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice. <i>Molecular Plant</i> , 2022, 15, 740-754.	18.9	30
20	Phosphorylation of Yun is required for stem cell proliferation and tumorigenesis. <i>Cell Proliferation</i> , 2022, 55, .	5.8	5
21	Ser/Thr Protein Kinase SpkI Affects Photosynthetic Efficiency in <i>Synechocystis</i> sp. PCC 6803 upon Salt Stress. <i>Life</i> , 2022, 12, 713.	2.6	2
22	An engineered platform for reconstituting functional multisubunit SCF E3 ligase in vitro. <i>Molecular Plant</i> , 2022, 15, 1285-1299.	18.9	11
23	The plastid-encoded protein Orf2971 is required for protein translocation and chloroplast quality control. <i>Plant Cell</i> , 2022, 34, 3383-3399.	7.6	25
24	OsMPK4 promotes phosphorylation and degradation of IPA1 in response to salt stress to confer salt tolerance in rice. <i>Journal of Genetics and Genomics</i> , 2022, 49, 766-775.	5.0	55
25	Chilling-induced phosphorylation of IPA1 by OsSAPK6 activates chilling tolerance responses in rice. <i>Cell Discovery</i> , 2022, 8, .	7.9	73
26	Endogenous ceramide phosphoethanolamine modulates circadian rhythm via neural-glial coupling in <i>Drosophila</i> . <i>National Science Review</i> , 2022, 9, .	9.8	14
27	Proximity Labeling Facilitates Defining the Proteome Neighborhood of Photosystem II Oxygen Evolution Complex in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100440.	3.0	5
28	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> , 2021, 76, 601-610.	3.5	11
29	Slr0320 Is Crucial for Optimal Function of Photosystem II during High Light Acclimation in <i>Synechocystis</i> sp. PCC 6803. <i>Life</i> , 2021, 11, 279.	2.6	3
30	RNA kinase CLP1/Cbc regulates meiosis initiation in spermatogenesis. <i>Human Molecular Genetics</i> , 2021, 30, 1569-1578.	2.9	12
31	A zinc transporter, transmembrane protein 163, is critical for the biogenesis of platelet dense granules. <i>Blood</i> , 2021, 137, 1804-1817.	4.2	19
32	ERAD-related E2 and E3 enzymes modulate the drought response by regulating the stability of PIP2 aquaporins. <i>Plant Cell</i> , 2021, 33, 2883-2898.	7.6	77
33	A multi-omics investigation of the composition and function of extracellular vesicles along the temporal trajectory of COVID-19. <i>Nature Metabolism</i> , 2021, 3, 909-922.	17.1	238
34	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. <i>Nature Plants</i> , 2021, 7, 1108-1118.	11.4	100
35	A Systematic Survey of the Light/Dark-dependent Protein Degradation Events in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100162.	3.0	3
36	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. <i>Science China Life Sciences</i> , 2021, 65, 1342-1356.	6.7	8

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37	NAD kinase sustains lipogenesis and mitochondrial metabolism through fatty acid synthesis. <i>Cell Reports</i> , 2021, 37, 110157.	6.3	27
38	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> , 2020, 75, 218-229.	3.5	17
39	NuRD mediates mitochondrial stress-induced longevity via chromatin remodeling in response to acetyl-CoA level. <i>Science Advances</i> , 2020, 6, .	10.9	96
40	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> , 2020, 117, 22193-22203.	7.5	36
41	Evaluation of the Potential Risk of Advanced Peak Determination in Distorting Isobaric Labeling-Based Single-Shot Proteome Quantitation. <i>Proteomics</i> , 2020, 20, .	3.1	0
42	A Kinase-Phosphatase-Transcription Factor Module Regulates Adventitious Root Emergence in Arabidopsis Root-Hypocotyl Junctions. <i>Molecular Plant</i> , 2020, 13, 1162-1177.	18.9	24
43	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> , 2020, 75, 858-866.	3.5	3
44	Control of Grain Size and Weight by the GSK2-LARGE1/OML4 Pathway in Rice. <i>Plant Cell</i> , 2020, 32, 1905-1918.	7.6	102
45	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> , 2020, 193, 687-716.	2.9	6
46	CDK4/6 regulate lysosome biogenesis through TFEB/TFE3. <i>Journal of Cell Biology</i> , 2020, 219, .	5.4	92
47	Capn3 depletion causes Chk1 and Wee1 accumulation and disrupts synchronization of cell cycle reentry during liver regeneration after partial hepatectomy. <i>Cell Regeneration</i> , 2020, 9, .	3.4	13
48	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> , 2019, , .	3.5	18
49	Overdosage of Balanced Protein Complexes Reduces Proliferation Rate in Aneuploid Cells. <i>Cell Systems</i> , 2019, 9, 129-142.e5.	5.8	47
50	An unreported LRR protein SUT1 is required for the autoimmune response mediated by type one protein phosphatase 4 mutation (topp4 <sup>1</sup> ) in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 100, 357-373.	6.2	32
51	mTERF5 Acts as a Transcriptional Pausing Factor to Positively Regulate Transcription of Chloroplast psbEFLJ. <i>Molecular Plant</i> , 2019, 12, 1259-1277.	18.9	64
52	Nitration-induced ubiquitination and degradation control quality of ERK1. <i>Biochemical Journal</i> , 2019, 476, 1911-1926.	3.8	10
53	Ca <sup>2+</sup> -Stimulated AMPK-Dependent Phosphorylation of Exo1 Protects Stressed Replication Forks from Aberrant Resection. <i>Molecular Cell</i> , 2019, 74, 1123-1137.e6.	13.3	79
54	Tyrosine nitration of human ERK1 introduces an intra-hydrogen bond by molecular dynamics simulations. <i>Structural Chemistry</i> , 2019, 30, 1459-1470.	1.9	4

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55	Nitrateâ€“NRT1.1Bâ€“SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. <i>Nature Plants</i> , 2019, 5, 401-413.	11.4	399
56	Sequences, Domain Architectures, and Biological Functions of the Serine/Threonine and Histidine Kinases in <i>Synechocystis</i> sp. PCC 6803. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 1022-1065.	2.9	13
57	Extensive protein S-nitrosylation associated with human pancreatic ductal adenocarcinoma pathogenesis. <i>Cell Death and Disease</i> , 2019, 10, .	8.5	44
58	The Î²5 subunit is essential for intact 26S proteasome assembly to specifically promote plant autotrophic growth under salt stress. <i>New Phytologist</i> , 2019, 221, 1359-1368.	8.1	43
59	BR11 and BAK1 interact with G proteins and regulate sugar-responsive growth and development in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2018, 9, .	13.7	88
60	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2018, 176, 2991-3002.	5.5	136
61	A Regulatory Module Controlling Homeostasis of a Plant Immune Kinase. <i>Molecular Cell</i> , 2018, 69, 493-504.e6.	13.3	241
62	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. <i>Journal of Proteomics</i> , 2018, 179, 100-109.	2.4	8
63	Ligand-triggered de-repression of <i>Arabidopsis</i> heterotrimeric G proteins coupled to immune receptor kinases. <i>Cell Research</i> , 2018, 28, 529-543.	12.4	109
64	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> , 2018, 73, 279-288.	3.5	23
65	Substrate-independent immunomodulatory characteristics of mesenchymal stem cells in three-dimensional culture. <i>PLoS ONE</i> , 2018, 13, e0206811.	2.3	26
66	PPARÎ³ maintains the metabolic heterogeneity and homeostasis of renal tubules. <i>EBioMedicine</i> , 2018, 38, 178-190.	9.7	41
67	Phosphorylation of serine/arginineâ€“rich splicing factor 1 at tyrosine 19 promotes cell proliferation in pediatric acute lymphoblastic leukemia. <i>Cancer Science</i> , 2018, 109, 3805-3815.	3.9	12
68	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> , 2018, 115, .	7.5	27
69	Activation of the Oxidative Pentose Phosphate Pathway is Critical for Photomixotrophic Growth of a <i>Synechocystis</i> sp. PCC 6803. <i>Proteomics</i> , 2018, 18, .	3.1	3
70	Seipin regulates lipid homeostasis by ensuring calciumâ€“dependent mitochondrial metabolism. <i>EMBO Journal</i> , 2018, 37, .	7.3	96
71	Translation repression by maternal RNA binding protein zar1 is essential for early oogenesis in zebrafish. <i>Development (Cambridge)</i> , 2017, , .	3.1	50
72	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> , 2017, 16, 529-540.	6.8	55

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73	Apoplastic ROS signaling in plant immunity. <i>Current Opinion in Plant Biology</i> , 2017, 38, 92-100.	7.2	490
74	A Light Harvesting Complex-Like Protein in Maintenance of Photosynthetic Components in <i>Chlamydomonas</i> . <i>Plant Physiology</i> , 2017, 174, 2419-2433.	5.5	23
75	Ubiquitination of non-lysine residues in the retroviral integrase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 57-62.	2.1	6
76	Bidirectional factors impact the migration of NK cells to draining lymph node in aged mice during influenza virus infection. <i>Experimental Gerontology</i> , 2017, 96, 127-137.	3.7	10
77	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> , 2017, 16, 1258-1274.	3.0	30
78	Trophic Mode-Dependent Proteomic Analysis Reveals Functional Significance of Light-Independent Chlorophyll Synthesis in <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Plant</i> , 2017, 10, 73-85.	18.9	32
79	Phosphorylation of Def Regulates Nucleolar p53 Turnover and Cell Cycle Progression through Def Recruitment of Calpain3. <i>PLoS Biology</i> , 2016, 14, e1002555.	5.0	35
80	SCFSAP controls organ size by targeting PPD proteins for degradation in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2016, 7, .	13.7	86
81	Quantitative profiling of spreading-coupled protein tyrosine phosphorylation in migratory cells. <i>Scientific Reports</i> , 2016, 6, .	3.4	6
82	The CAMSAP3-ACF7 Complex Couples Noncentrosomal Microtubules with Actin Filaments to Coordinate Their Dynamics. <i>Developmental Cell</i> , 2016, 39, 61-74.	7.7	71
83	Protein kinase C controls lysosome biogenesis independently of mTORC1. <i>Nature Cell Biology</i> , 2016, 18, 1065-1077.	16.3	334
84	Mea6 controls VLDL transport through the coordinated regulation of COPII assembly. <i>Cell Research</i> , 2016, 26, 787-804.	12.4	45
85	OsBRI1 Activates BR Signaling by Preventing Binding between the TPR and Kinase Domains of OsBSK3 via Phosphorylation. <i>Plant Physiology</i> , 2016, 170, 1149-1161.	5.5	363
86	Comparative proteome analysis of saccular intracranial aneurysms with iTRAQ quantitative proteomics. <i>Journal of Proteomics</i> , 2016, 130, 120-128.	2.4	20
87	Mitogen-Activated Protein Kinase Cascade MKK7-MPK6 Plays Important Roles in Plant Development and Regulates Shoot Branching by Phosphorylating PIN1 in <i>Arabidopsis</i> . <i>PLoS Biology</i> , 2016, 14, e1002550.	5.0	135
88	The Calponin Family Member CHDP-1 Interacts with Rac/CED-10 to Promote Cell Protrusions. <i>PLoS Genetics</i> , 2016, 12, e1006163.	3.2	7
89	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> , 2015, 5, .	3.4	22
90	Site-Specific Nitrosoproteomic Identification of Endogenously S-Nitrosylated Proteins in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 167, 1731-1746.	5.5	244

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91	Protomer Roles in Chloroplast Chaperonin Assembly and Function. <i>Molecular Plant</i> , 2015, 8, 1478-1492.	18.9	39
92	Toward the complete proteome of <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2015, 126, 203-219.	3.4	30
93	Systematically Ranking the Tightness of Membrane Association for Peripheral Membrane Proteins (PMPs) *. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 340-353.	3.0	18
94	Aged monkey brains reveal the role of ubiquitin-conjugating enzyme UBE2N in the synaptosomal accumulation of mutant huntingtin. <i>Human Molecular Genetics</i> , 2015, 24, 1350-1362.	2.9	28
95	The FLS2-Associated Kinase BIK1 Directly Phosphorylates the NADPH Oxidase RbohD to Control Plant Immunity. <i>Cell Host and Microbe</i> , 2014, 15, 329-338.	15.1	781
96	Seipin Promotes Adipose Tissue Fat Storage through the ER Ca <sup>2+</sup> -ATPase SERCA. <i>Cell Metabolism</i> , 2014, 19, 861-871.	25.2	162
97	Functional Proteomic Discovery of Slr0110 as a Central Regulator of Carbohydrate Metabolism in <i>Synechocystis</i> Species PCC6803. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 204-219.	3.0	26
98	Spatial Phosphoprotein Profiling Reveals a Compartmentalized Extracellular Signal-regulated Kinase Switch Governing Neurite Growth and Retraction. <i>Journal of Biological Chemistry</i> , 2011, 286, 18190-18201.	2.2	22
99	Pseudopodium-enriched atypical kinase 1 regulates the cytoskeleton and cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10920-10925.	7.5	117
100	Identification and bioinformatic analysis of the membrane proteins of <i>synechocystis</i> sp. PCC 6803. <i>Proteome Science</i> , 2009, 7, 11.	1.6	23
101	Quantitative Phosphoproteome Analysis of Lysophosphatidic Acid Induced Chemotaxis Applying Dual-Step 18 O Labeling Coupled with Immobilized Metal-Ion Affinity Chromatography. <i>Journal of Proteome Research</i> , 2008, 7, 4215-4224.	3.4	16
102	PhosphoBlast, a Computational Tool for Comparing Phosphoprotein Signatures among Large Datasets. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 145-162.	3.0	19
103	Profiling signaling polarity in chemotactic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8328-8333.	7.5	79
104	Computational Methods for Comparison of Large Genomic and Proteomic Datasets Reveal Protein Markers of Metastatic Cancer. <i>Journal of Proteome Research</i> , 2006, 5, 907-915.	3.4	19
105	Proteins of the cyanobacterial photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1507, 32-40.	0.9	38
106	Translating Divergent Environmental Stresses into a Common Proteome Response through Hik33 in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 0, , mcp.M117.068080.	3.0	1
107	<i>Arabidopsis</i> heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. <i>ELife</i> , 0, 5, .	1.6	263
108	Ablation of SNX6 leads to defects in synaptic function of CA1 pyramidal neurons and spatial memory. <i>ELife</i> , 0, 6, .	1.6	28

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109	Mitochondrial stress orchestrates chromatin remodeling and longevity via phosphoregulation of the NuRD component LIN-40. Science China Life Sciences, 0, 68, 3340-3352.	6.7	1