

Yingchun Wang

List of Publications by Year in descending order

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93
papers

4,284
citations

146238

30
h-index

124976

59
g-index

100
all docs

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docs citations

100
times ranked

7494
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	11.0	669
2	Protein kinase C controls lysosome biogenesis independently of mTORC1. <i>Nature Cell Biology</i> , 2016, 18, 1065-1077.	9.9	287
3	Nitrateâ€“NRT1.1Bâ€“SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. <i>Nature Plants</i> , 2019, 5, 401-413.	9.3	283
4	Site-Specific Nitrosoproteomic Identification of Endogenously<i>S</i>-Nitrosylated Proteins in Arabidopsis. <i>Plant Physiology</i> , 2015, 167, 1731-1746.	5.0	213
5	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.	11.2	155
6	Seipin Promotes Adipose Tissue Fat Storage through the ER Ca ²⁺ -ATPase SERCA. <i>Cell Metabolism</i> , 2014, 19, 861-871.	15.7	140
7	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in Arabidopsis. <i>Plant Physiology</i> , 2018, 176, 2991-3002.	5.0	119
8	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> , 2016, 14, e1002550.	5.4	118
9	A Cl ⁻ protein regulates alkaline sensitivity in crops. <i>Science</i> , 2023, 379, .	19.8	100
10	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> , 2015, 6, 15902-15930.	1.9	92
11	SCFSAP controls organ size by targeting PPD proteins for degradation in Arabidopsis thaliana. <i>Nature Communications</i> , 2016, 7, 11192.	13.0	78
12	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> , 2015, 6, 23213-23237.	1.9	77
13	CDK4/6 regulate lysosome biogenesis through TFEB/TFE3. <i>Journal of Cell Biology</i> , 2020, 219, .	5.1	76
14	Seipin regulates lipid homeostasis by ensuring calciumâ€“dependent mitochondrial metabolism. <i>EMBO Journal</i> , 2018, 37, .	7.6	72
15	BRI1 and BAK1 interact with G proteins and regulate sugar-responsive growth and development in Arabidopsis. <i>Nature Communications</i> , 2018, 9, 1522.	13.0	70
16	NuRD mediates mitochondrial stressâ€“induced longevity via chromatin remodeling in response to acetyl-CoA level. <i>Science Advances</i> , 2020, 6, eabb2529.	10.8	69
17	Control of Grain Size and Weight by the GSK2-LARGE1/OML4 Pathway in Rice. <i>Plant Cell</i> , 2020, 32, 1905-1918.	6.7	67
18	The CAMSAP3-ACF7 Complex Couples Noncentrosomal Microtubules with Actin Filaments to Coordinate Their Dynamics. <i>Developmental Cell</i> , 2016, 39, 61-74.	7.0	61

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19	Ca ²⁺ -Stimulated AMPK-Dependent Phosphorylation of Exo1 Protects Stressed Replication Forks from Aberrant Resection. <i>Molecular Cell</i> , 2019, 74, 1123-1137.e6.	9.5	61
20	mTERF5 Acts as a Transcriptional Pausing Factor to Positively Regulate Transcription of Chloroplast psbEFJ. <i>Molecular Plant</i> , 2019, 12, 1259-1277.	8.4	57
21	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. <i>Nature Plants</i> , 2021, 7, 1108-1118.	9.3	56
22	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> , 2015, 6, 18314-18337.	1.9	53
23	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.	6.7	50
24	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.	6.7	50
25	Translation repression by maternal RNA binding protein zar1 is essential for early oogenesis in zebrafish. <i>Development (Cambridge)</i> , 2017, 144, 128-138.	2.6	47
26	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> , 2016, 7, 19147-19170.	1.9	38
27	Overdosage of Balanced Protein Complexes Reduces Proliferation Rate in Aneuploid Cells. <i>Cell Systems</i> , 2019, 9, 129-142.e5.	6.2	37
28	Mea6 controls VLDL transport through the coordinated regulation of COPII assembly. <i>Cell Research</i> , 2016, 26, 787-804.	12.1	36
29	Protomer Roles in Chloroplast Chaperonin Assembly and Function. <i>Molecular Plant</i> , 2015, 8, 1478-1492.	8.4	35
30	Extensive protein S-nitrosylation associated with human pancreatic ductal adenocarcinoma pathogenesis. <i>Cell Death and Disease</i> , 2019, 10, 914.	6.4	34
31	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> , 2017, 8, 17453-17474.	1.9	34
32	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.	7.8	33
33	PPARÎ³ maintains the metabolic heterogeneity and homeostasis of renal tubules. <i>EBioMedicine</i> , 2018, 38, 178-190.	6.0	31
34	Toward the complete proteome of <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2015, 126, 203-219.	2.9	29
35	Phosphorylation of Def Regulates Nucleolar p53 Turnover and Cell Cycle Progression through Def Recruitment of Calpain3. <i>PLoS Biology</i> , 2016, 14, e1002555.	5.4	29
36	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.	3.9	28

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37	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.	8.4	27
38	Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAP-Mediated Mechanosensing. <i>Small</i> , 2020, 16, e2001837.	11.0	27
39	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. <i>Molecular Plant</i> , 2021, 14, 517-529.	8.4	25
40	Substrate-independent immunomodulatory characteristics of mesenchymal stem cells in three-dimensional culture. <i>PLoS ONE</i> , 2018, 13, e0206811.	2.5	24
41	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	24
42	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, 13198.	3.4	22
43	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.	3.0	22
44	A Light Harvesting Complex-Like Protein in Maintenance of Photosynthetic Components in <i>Chlamydomonas</i> . <i>Plant Physiology</i> , 2017, 174, 2419-2433.	5.0	22
45	An unreported <i>Arabidopsis</i> LRR protein <i>SUT1</i> is required for the autoimmune response mediated by type one protein phosphatase 4 mutation (<i>topp4-1</i>) in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 100, 357-373.	5.9	22
46	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, E9449-E9458.	7.5	21
47	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.	3.5	20
48	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.	3.9	20
49	Comparative proteome analysis of saccular intracranial aneurysms with iTRAQ quantitative proteomics. <i>Journal of Proteomics</i> , 2016, 130, 120-128.	2.5	19
50	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.	3.8	18
51	PhosphoBlast, a Computational Tool for Comparing Phosphoprotein Signatures among Large Datasets. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 145-162.	3.9	18
52	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.	3.7	18
53	Systematically Ranking the Tightness of Membrane Association for Peripheral Membrane Proteins (PMPs) *. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 340-353.	3.9	17
54	The UBP14-CDKB1;1-CDKG2 cascade controls endoreduplication and cell growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 1308-1325.	6.7	17

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55	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, 74, 16-26.	3.7	16
56	Biochemical Purification of Pseudopodia from Migratory Cells. <i>Methods in Molecular Biology</i> , 2007, 370, 55-66.	0.7	16
57	The quantitative proteome atlas of a model cyanobacterium. <i>Journal of Genetics and Genomics</i> , 2022, 49, 96-108.	3.9	16
58	NAD kinase sustains lipogenesis and mitochondrial metabolism through fatty acid synthesis. <i>Cell Reports</i> , 2021, 37, 110157.	6.3	16
59	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice. <i>Molecular Plant</i> , 2022, 15, 740-754.	8.4	15
60	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.	3.7	14
61	A Kinase-Phosphatase-Transcription Factor Module Regulates Adventitious Root Emergence in Arabidopsis Root-Hypocotyl Junctions. <i>Molecular Plant</i> , 2020, 13, 1162-1177.	8.4	14
62	A zinc transporter, transmembrane protein 163, is critical for the biogenesis of platelet dense granules. <i>Blood</i> , 2021, 137, 1804-1817.	1.4	14
63	The plastid-encoded protein Orf2971 is required for protein translocation and chloroplast quality control. <i>Plant Cell</i> , 2022, 34, 3383-3399.	6.7	14
64	Regulation of nitrogen starvation responses by the alarmone (p)ppGpp in rice. <i>Journal of Genetics and Genomics</i> , 2022, 49, 469-480.	3.9	13
65	Phosphorylation of serine/arginine-rich splicing factor 1 at tyrosine 19 promotes cell proliferation in pediatric acute lymphoblastic leukemia. <i>Cancer Science</i> , 2018, 109, 3805-3815.	4.0	11
66	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.	3.0	11
67	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.	2.9	9
68	Nitration-induced ubiquitination and degradation control quality of ERK1. <i>Biochemical Journal</i> , 2019, 476, 1911-1926.	3.7	9
69	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.	3.7	8
70	RNA kinase CLP1/Cbc regulates meiosis initiation in spermatogenesis. <i>Human Molecular Genetics</i> , 2021, 30, 1569-1578.	3.0	8
71	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, 8.	3.0	8
72	An RDH-In2 axis modulates lipid droplet size by antagonizing Bmm lipase. <i>EMBO Reports</i> , 2022, 23, e52669.	4.5	8

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73	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. <i>Journal of Proteomics</i> , 2018, 179, 100-109.	2.5	7
74	The Calponin Family Member CHDP-1 Interacts with Rac/CED-10 to Promote Cell Protrusions. <i>PLoS Genetics</i> , 2016, 12, e1006163.	3.3	7
75	Endogenous ceramide phosphoethanolamine modulates circadian rhythm via neural-glial coupling in <i>Drosophila</i> . <i>National Science Review</i> , 2022, 9, .	9.4	7
76	Quantitative profiling of spreading-coupled protein tyrosine phosphorylation in migratory cells. <i>Scientific Reports</i> , 2016, 6, 31811.	3.4	6
77	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.	3.7	6
78	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> , 2021, 193, 687-716.	3.0	5
79	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. <i>Science China Life Sciences</i> , 2022, 65, 1342-1356.	5.0	5
80	Tyrosine nitration of human ERK1 introduces an intra-hydrogen bond by molecular dynamics simulations. <i>Structural Chemistry</i> , 2019, 30, 1459-1470.	2.0	4
81	Plant Phosphopeptides Enrichment by Immobilized Metal Ion Affinity Chromatography. <i>Methods in Molecular Biology</i> , 2021, 2358, 145-157.	0.7	4
82	Ubiquitination of non-lysine residues in the retroviral integrase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 57-62.	2.2	3
83	Activation of the Oxidative Pentose Phosphate Pathway is Critical for Photomixotrophic Growth of a <i>Hik33</i> Deletion Mutant of <i>Synechocystis</i> sp. PCC 6803. <i>Proteomics</i> , 2018, 18, e1800046.	3.0	3
84	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.	3.7	3
85	Phosphorylation of Yun is required for stem cell proliferation and tumorigenesis. <i>Cell Proliferation</i> , 2022, , e13230.	5.5	3
86	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.	2.5	2
87	A Systematic Survey of the Light/Dark-dependent Protein Degradation Events in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100162.	3.9	2
88	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.	7.8	2
89	Translating Divergent Environmental Stresses into a Common Proteome Response through Hik33 in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2017, , mcp.M117.068080.	3.9	1
90	Spatial Proteome Reorganization of a Photosynthetic Model Cyanobacterium in Response to Abiotic Stresses. <i>Journal of Proteome Research</i> , 2023, 22, 1255-1269.	3.8	1

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91	Evaluation of the Potential Risk of Advanced Peak Determination in Distorting Isobaric Labeling-Based Single-Shot Proteome Quantitation. <i>Proteomics</i> , 2020, 20, 1900255.	3.0	0
92	Ser/Thr Protein Kinase SpkI Affects Photosynthetic Efficiency in <i>Synechocystis</i> sp. PCC 6803 upon Salt Stress. <i>Life</i> , 2022, 12, 713.	2.5	0
93	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.	7.8	0