

Yingchun Wang

List of Publications by Year in descending order

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98
papers

4,873
citations

147801

31
h-index

110387

64
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100
all docs

100
docs citations

100
times ranked

6917
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	635
2	Apoplastic ROS signaling in plant immunity. <i>Current Opinion in Plant Biology</i> , 2017, 38, 92-100.	7.1	362
3	Protein kinase C controls lysosome biogenesis independently of mTORC1. <i>Nature Cell Biology</i> , 2016, 18, 1065-1077.	10.3	265
4	Nitrate-SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. <i>Nature Plants</i> , 2019, 5, 401-413.	9.3	263
5	Arabidopsis heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. <i>ELife</i> , 2016, 5, e13568.	6.0	217
6	Site-Specific Nitrosoproteomic Identification of Endogenously-Nitrosylated Proteins in Arabidopsis. <i>Plant Physiology</i> , 2015, 167, 1731-1746.	4.8	202
7	A Regulatory Module Controlling Homeostasis of a Plant Immune Kinase. <i>Molecular Cell</i> , 2018, 69, 493-504.e6.	9.7	161
8	Seipin Promotes Adipose Tissue Fat Storage through the ER Ca ²⁺ -ATPase SERCA. <i>Cell Metabolism</i> , 2014, 19, 861-871.	16.2	132
9	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.	11.9	132
10	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.	5.6	114
11	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in Arabidopsis. <i>Plant Physiology</i> , 2018, 176, 2991-3002.	4.8	111
12	PUB25 and PUB26 Promote Plant Freezing Tolerance by Degrading the Cold Signaling Negative Regulator MYB15. <i>Developmental Cell</i> , 2019, 51, 222-235.e5.	7.0	105
13	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.	1.8	89
14	Ligand-triggered de-repression of Arabidopsis heterotrimeric G proteins coupled to immune receptor kinases. <i>Cell Research</i> , 2018, 28, 529-543.	12.0	87
15	Deficient plastidic fatty acid synthesis triggers cell death by modulating mitochondrial reactive oxygen species. <i>Cell Research</i> , 2015, 25, 621-633.	12.0	80
16	SCFSAP controls organ size by targeting PPD proteins for degradation in Arabidopsis thaliana. <i>Nature Communications</i> , 2016, 7, 11192.	12.8	77
17	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.	1.8	76
18	CDK4/6 regulate lysosome biogenesis through TFEB/TFE3. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	70

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19	Seipin regulates lipid homeostasis by ensuring calcium-dependent mitochondrial metabolism. <i>EMBO Journal</i> , 2018, 37, .	7.8	69
20	BRI1 and BAK1 interact with G proteins and regulate sugar-responsive growth and development in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2018, 9, 1522.	12.8	65
21	NuRD mediates mitochondrial stress-induced longevity via chromatin remodeling in response to acetyl-CoA level. <i>Science Advances</i> , 2020, 6, eabb2529.	10.3	62
22	Control of Grain Size and Weight by the GSK2-LARGE1/OML4 Pathway in Rice. <i>Plant Cell</i> , 2020, 32, 1905-1918.	6.6	61
23	The CAMSAP3-ACF7 Complex Couples Noncentrosomal Microtubules with Actin Filaments to Coordinate Their Dynamics. <i>Developmental Cell</i> , 2016, 39, 61-74.	7.0	60
24	mTERF5 Acts as a Transcriptional Pausing Factor to Positively Regulate Transcription of Chloroplast psbEFLJ. <i>Molecular Plant</i> , 2019, 12, 1259-1277.	8.3	53
25	Ca ²⁺ -Stimulated AMPK-Dependent Phosphorylation of Exo1 Protects Stressed Replication Forks from Aberrant Resection. <i>Molecular Cell</i> , 2019, 74, 1123-1137.e6.	9.7	52
26	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.	1.8	51
27	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. <i>Nature Plants</i> , 2021, 7, 1108-1118.	9.3	49
28	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	48
29	Translation repression by maternal RNA binding protein zar1 is essential for early oogenesis in zebrafish. <i>Development (Cambridge)</i> , 2017, 144, 128-138.	2.5	45
30	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.	6.6	44
31	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.	1.8	37
32	Mea6 controls VLDL transport through the coordinated regulation of COPII assembly. <i>Cell Research</i> , 2016, 26, 787-804.	12.0	34
33	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.	1.8	34
34	Protomer Roles in Chloroplast Chaperonin Assembly and Function. <i>Molecular Plant</i> , 2015, 8, 1478-1492.	8.3	33
35	Overdosage of Balanced Protein Complexes Reduces Proliferation Rate in Aneuploid Cells. <i>Cell Systems</i> , 2019, 9, 129-142.e5.	6.2	32
36	The β 5 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.	7.3	32

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37	Extensive protein S-nitrosylation associated with human pancreatic ductal adenocarcinoma pathogenesis. <i>Cell Death and Disease</i> , 2019, 10, 914.	6.3	31
38	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> , 2017, 9, 1770-1824.	3.1	30
39	Toward the complete proteome of <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2015, 126, 203-219.	2.9	29
40	Phosphorylation of Def Regulates Nucleolar p53 Turnover and Cell Cycle Progression through Def Recruitment of Calpain3. <i>PLoS Biology</i> , 2016, 14, e1002555.	5.6	29
41	PPAR α maintains the metabolic heterogeneity and homeostasis of renal tubules. <i>EBioMedicine</i> , 2018, 38, 178-190.	6.1	29
42	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.	3.8	26
43	Methods for Pseudopodia Purification and Proteomic Analysis. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , 2007, 2007, pl4.	3.9	25
44	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> , 2016, 8, 642-661.	3.1	24
45	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.	8.3	22
46	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. <i>Molecular Plant</i> , 2021, 14, 517-529.	8.3	22
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> , 2015, 5, 13198.	3.3	21
48	A Light Harvesting Complex-Like Protein in Maintenance of Photosynthetic Components in <i>Chlamydomonas</i> . <i>Plant Physiology</i> , 2017, 174, 2419-2433.	4.8	21
49	Substrate-independent immunomodulatory characteristics of mesenchymal stem cells in three-dimensional culture. <i>PLoS ONE</i> , 2018, 13, e0206811.	2.5	21
50	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	20
51	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.	3.4	19
52	Comparative proteome analysis of saccular intracranial aneurysms with iTRAQ quantitative proteomics. <i>Journal of Proteomics</i> , 2016, 130, 120-128.	2.4	19
53	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.	3.7	18
54	PhosphoBlast, a Computational Tool for Comparing Phosphoprotein Signatures among Large Datasets. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 145-162.	3.8	18

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55	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.	3.6	18
56	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.	7.1	18
57	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.	7.1	18
58	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. <i>Aging</i> , 2016, 8, 917-932.	3.1	18
59	Ablation of SNX6 leads to defects in synaptic function of CA1 pyramidal neurons and spatial memory. <i>ELife</i> , 2017, 6, .	6.0	18
60	Systematically Ranking the Tightness of Membrane Association for Peripheral Membrane Proteins (PMPs) *. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 340-353.	3.8	17
61	An unreported NB ϵ -LRR protein SUT 1 is required for the autoimmune response mediated by type one protein phosphatase 4 mutation (topp4 ϵ 1) in Arabidopsis. <i>Plant Journal</i> , 2019, 100, 357-373.	5.7	17
62	Biochemical Purification of Pseudopodia from Migratory Cells. <i>Methods in Molecular Biology</i> , 2007, 370, 55-66.	0.9	16
63	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	16
64	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.	3.6	14
65	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.	3.6	14
66	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
67	The Quantitative Proteome Atlas of a Model Cyanobacterium. <i>Journal of Genetics and Genomics</i> , 2021, , .	3.9	14
68	NAD kinase sustains lipogenesis and mitochondrial metabolism through fatty acid synthesis. <i>Cell Reports</i> , 2021, 37, 110157.	6.4	14
69	A Kinase ϵ "Phosphatase ϵ " Transcription Factor Module Regulates Adventitious Root Emergence in Arabidopsis Root ϵ "Hypocotyl Junctions. <i>Molecular Plant</i> , 2020, 13, 1162-1177.	8.3	13
70	The UBP14-CDKB1;1-CDKG2 cascade controls endoreduplication and cell growth in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 1308-1325.	6.6	12
71	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	12
72	The plastid-encoded protein Orf2971 is required for protein translocation and chloroplast quality control. <i>Plant Cell</i> , 2022, 34, 3383-3399.	6.6	12

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73	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	11
74	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.	3.9	10
75	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.	2.8	9
76	Nitration-induced ubiquitination and degradation control quality of ERK1. <i>Biochemical Journal</i> , 2019, 476, 1911-1926.	3.7	9
77	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice. <i>Molecular Plant</i> , 2022, 15, 740-754.	8.3	9
78	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.	3.6	8
79	RNA kinase CLP1/Cbc regulates meiosis initiation in spermatogenesis. <i>Human Molecular Genetics</i> , 2021, 30, 1569-1578.	2.9	7
80	The Calponin Family Member CHDP-1 Interacts with Rac/CED-10 to Promote Cell Protrusions. <i>PLoS Genetics</i> , 2016, 12, e1006163.	3.5	7
81	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.	2.6	7
82	An RDH ϵ Pln2 axis modulates lipid droplet size by antagonizing Bmm lipase. <i>EMBO Reports</i> , 2022, 23, e52669.	4.5	7
83	Quantitative profiling of spreading-coupled protein tyrosine phosphorylation in migratory cells. <i>Scientific Reports</i> , 2016, 6, 31811.	3.3	6
84	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. <i>Journal of Proteomics</i> , 2018, 179, 100-109.	2.4	6
85	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.	2.9	5
86	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
87	Plant Phosphopeptides Enrichment by Immobilized Metal Ion Affinity Chromatography. <i>Methods in Molecular Biology</i> , 2021, 2358, 145-157.	0.9	4
88	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. <i>Science China Life Sciences</i> , 2022, 65, 1342-1356.	4.9	4
89	Ubiquitination of non-lysine residues in the retroviral integrase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 57-62.	2.1	3
90	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.	3.6	3

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91	Phosphorylation of Yun is required for stem cell proliferation and tumorigenesis. <i>Cell Proliferation</i> , 2022, , e13230.	5.3	3
92	A Systematic Survey of the Light/Dark-dependent Protein Degradation Events in a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100162.	3.8	2
93	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.	2.2	1
94	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.	2.4	1
95	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.	3.8	0
96	Front Cover: Evaluation of the Potential Risk of Advanced Peak Determination in Distorting Isobaric Labeling-Based Single Shot Proteome Quantitation. <i>Proteomics</i> , 2020, 20, 2070091.	2.2	0
97	Evaluation of the Potential Risk of Advanced Peak Determination in Distorting Isobaric Labeling-Based Single Shot Proteome Quantitation. <i>Proteomics</i> , 2020, 20, 1900255.	2.2	0
98	Ser/Thr Protein Kinase SpkI Affects Photosynthetic Efficiency in <i>Synechocystis</i> sp. PCC 6803 upon Salt Stress. <i>Life</i> , 2022, 12, 713.	2.4	0