Hong Li

List of Publications by Year
in descending order

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120 papers	6,663 citations	53794 45 h-index	69250 77 g-index
127 all docs	127 docs citations	127 times ranked	12670 citing authors

#	Article	IF	Citations
1	Upregulation of Nox4 by Hypertrophic Stimuli Promotes Apoptosis and Mitochondrial Dysfunction in Cardiac Myocytes. Circulation Research, 2010, 106, 1253-1264.	4.5	446
2	Mst1 inhibits autophagy by promoting the interaction between Beclin1 and Bcl-2. Nature Medicine, 2013, 19, 1478-1488.	30.7	426
3	A Redox-Dependent Pathway for Regulating Class II HDACs and Cardiac Hypertrophy. Cell, 2008, 133, 978-993.	28.9	316
4	Nutrient regulates Tor1 nuclear localization and association with rDNA promoter. Nature, 2006, 442, 1058-1061.	27.8	280
5	A Redox-Dependent Mechanism for Regulation of AMPK Activation by Thioredoxin1 during Energy Starvation. Cell Metabolism, 2014, 19, 232-245.	16.2	194
6	An alternative mitophagy pathway mediated by Rab9 protects the heart against ischemia. Journal of Clinical Investigation, 2019, 129, 802-819.	8.2	177
7	Acetylation of HIV-1 Tat by CBP/P300 Increases Transcription of Integrated HIV-1 Genome and Enhances Binding to Core Histones. Virology, 2000, 277, 278-295.	2.4	158
8	A Rab5 endosomal pathway mediates Parkin-dependent mitochondrial clearance. Nature Communications, 2017, 8, 14050.	12.8	154
9	Enhancement of Nuclear Factor-ÎºB Acetylation by Coactivator p300 and HIV-1 Tat Proteins. Journal of Biological Chemistry, 2002, 277, 4973-4980.	3.4	141
10	Prevention of Glucocorticoid-Induced Apoptosis in Osteocytes and Osteoblasts by Calbindin-D28k. Journal of Bone and Mineral Research, 2003, 19, 479-490.	2.8	128
11	MicroRNA-7 activates Nrf2 pathway by targeting Keap1 expression. Free Radical Biology and Medicine, 2015, 89, 548-556.	2.9	116
12	Redox Regulatory Mechanism of Transnitrosylation by Thioredoxin. Molecular and Cellular Proteomics, 2010, 9, 2262-2275.	3.8	115
13	Mst1 Promotes Cardiac Myocyte Apoptosis through Phosphorylation and Inhibition of Bcl-xL. Molecular Cell, 2014, 54, 639-650.	9.7	110
14	mTORC2 Regulates Cardiac Response to Stress by Inhibiting MST1. Cell Reports, 2015, 11, 125-136.	6.4	110
15	Nuclear Factor 45 (NF45) Is a Regulatory Subunit of Complexes with NF90/110 Involved in Mitotic Control. Molecular and Cellular Biology, 2008, 28, 4629-4641.	2.3	103
16	Thioredoxin 1-Mediated Post-Translational Modifications: Reduction, Transnitrosylation, Denitrosylation, and Related Proteomics Methodologies. Antioxidants and Redox Signaling, 2011, 15, 2565-2604.	5.4	103
17	Quantitative Analysis of Redox-Sensitive Proteome with DIGE and ICAT. Journal of Proteome Research, 2008, 7, 3789-3802.	3.7	101
18	Cleavage Site Selection within a Folded Substrate by the ATP-dependent Lon Protease*. Journal of Biological Chemistry, 2005, 280, 25103-25110.	3.4	100

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19	Heterodimerization with small Maf proteins enhances nuclear retention of Nrf2 via masking the NESzip motif. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1847-1856.	4.1	98
20	The human brain mannose 6-phosphate glycoproteome: A complex mixture composed of multiple isoforms of many soluble lysosomal proteins. Proteomics, 2005, 5, 1520-1532.	2.2	92
21	MicroRNA-7 Protects against 1-Methyl-4-Phenylpyridinium-Induced Cell Death by Targeting RelA. Journal of Neuroscience, 2014, 34, 12725-12737.	3.6	85
22	Blocking eIF5A Modification in Cervical Cancer Cells Alters the Expression of Cancer-Related Genes and Suppresses Cell Proliferation. Cancer Research, 2014, 74, 552-562.	0.9	80
23	Protein Profile of Tax-associated Complexes. Journal of Biological Chemistry, 2004, 279, 495-508.	3.4	79
24	Role of the translationally controlled tumor protein in DNA damage sensing and repair. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E926-33.	7.1	78
25	Biological significance and therapeutic implication of resveratrol-inhibited Wnt, Notch and STAT3 signaling in cervical cancer cells. Genes and Cancer, 2014, 5, 154-164.	1.9	78
26	Optimized proteomic analysis of a mouse model of cerebellar dysfunction using amine-specific isobaric tags. Proteomics, 2006, 6, 4321-4334.	2.2	77
27	Glycogen Synthase Kinase-3Î± Promotes Fatty Acid Uptake and Lipotoxic Cardiomyopathy. Cell Metabolism, 2019, 29, 1119-1134.e12.	16.2	77
28	Chromatin Remodeling and Modification during HIV-1 Tat-activated Transcription. Current HIV Research, 2003, 1, 343-362.	0.5	71
29	A strategy for direct identification of protein S-nitrosylation sites by quadrupole time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1353-1360.	2.8	71
30	Elucidation of Thioredoxin Target Protein Networks in Mouse. Molecular and Cellular Proteomics, 2009, 8, 1674-1687.	3.8	71
31	Distinction of thioredoxin transnitrosylation and denitrosylation target proteins by the ICAT quantitative approach. Journal of Proteomics, 2011, 74, 2498-2509.	2.4	67
32	Tyrosine kinase FYN negatively regulates NOX4 in cardiac remodeling. Journal of Clinical Investigation, 2016, 126, 3403-3416.	8.2	66
33	Nutrient starvation promotes condensin loading to maintain rDNA stability. EMBO Journal, 2007, 26, 448-458.	7.8	64
34	Identification and Validation of Mannose 6-Phosphate Glycoproteins in Human Plasma Reveal a Wide Range of Lysosomal and Non-lysosomal Proteins. Molecular and Cellular Proteomics, 2006, 5, 1942-1956.	3.8	60
35	Identification of Differentially Expressed Proteins in Experimental Autoimmune Encephalomyelitis (EAE) by Proteomic Analysis of the Spinal Cord. Journal of Proteome Research, 2007, 6, 2565-2575.	3.7	60
36	Proteomic identification of novel targets regulated by the mammalian target of rapamycin pathway during oligodendrocyte differentiation. Glia, 2011, 59, 1754-1769.	4.9	60

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37	Enhancement of the p300 HAT Activity by HIV-1 Tat on Chromatin DNA. Virology, 2001, 289, 312-326.	2.4	58
38	Profiling the Aspergillus fumigatus Proteome in Response to Caspofungin. Antimicrobial Agents and Chemotherapy, 2011, 55, 146-154.	3.2	57
39	Identification and characterization of Runx2 phosphorylation sites involved in matrix metalloproteinaseâ€13 promoter activation. FEBS Letters, 2009, 583, 1141-1146.	2.8	56
40	Post-translational modifications of connexin26 revealed by mass spectrometry. Biochemical Journal, 2009, 424, 385-398.	3.7	54
41	Disruption of podocyte cytoskeletal biomechanics by dasatinib leads to nephrotoxicity. Nature Communications, 2019, 10, 2061.	12.8	54
42	Selective Regulation of Gene Expression by Nuclear Factor 110, a Member of the NF90 Family of Double-stranded RNA-binding Proteins. Journal of Molecular Biology, 2003, 332, 85-98.	4.2	53
43	Interconnected Network Motifs Control Podocyte Morphology and Kidney Function. Science Signaling, 2014, 7, ra12.	3.6	53
44	Proteome Analysis of Lens Epithelia, Fibers, and the HLE B-3 Cell Line. , 2003, 44, 4829.		52
45	Prevention of connexin-43 remodeling protects against Duchenne muscular dystrophy cardiomyopathy. Journal of Clinical Investigation, 2020, 130, 1713-1727.	8.2	52
46	Polyester Modification of the Mammalian TRPM8 Channel Protein: Implications for Structure and Function. Cell Reports, 2013, 4, 302-315.	6.4	48
47	Cell shape information is transduced through tension-independent mechanisms. Nature Communications, 2017, 8, 2145.	12.8	47
48	Molecular alterations in the cerebellum of the plasma membrane calcium ATPase 2 (PMCA2)-null mouse indicate abnormalities in Purkinje neurons. Molecular and Cellular Neurosciences, 2007, 34, 178-188.	2.2	46
49	Externalized Glycolytic Enzymes Are Novel, Conserved, and Early Biomarkers of Apoptosis. Journal of Biological Chemistry, 2012, 287, 10325-10343.	3.4	46
50	In Vivo Space Radiation-Induced Non-Targeted Responses: Late Effects on Molecular Signaling in Mitochondria. Current Molecular Pharmacology, 2011, 4, 106-114.	1.5	46
51	The disulfide isomerase ERp72 supports arterial thrombosis in mice. Blood, 2017, 130, 817-828.	1.4	45
52	Reduced expression of plasma membrane calcium ATPase 2 and collapsin response mediator protein 1 promotes death of spinal cord neurons. Cell Death and Differentiation, 2010, 17, 1501-1510.	11.2	40
53	SOD1 regulates ribosome biogenesis in KRAS mutant non-small cell lung cancer. Nature Communications, 2021, 12, 2259.	12.8	38
54	Cell-Deposited Matrix Improves Retinal Pigment Epithelium Survival on Aged Submacular Human Bruch's Membrane. , 2011, 52, 1345.		37

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55	The Proteomic Signature of Aspergillus fumigatus During Early Development. Molecular and Cellular Proteomics, 2011, 10, M111.010108.	3.8	37
56	Myelin Lipid Abnormalities in the Aspartoacylase-Deficient Tremor Rat. Neurochemical Research, 2009, 34, 138-148.	3.3	36
57	Quantitative Proteomic Analysis of Formalin Fixed Paraffin Embedded Oral HPV Lesions from HIV Patients. The Open Proteomics Journal, 2008, 1, 40-45.	0.4	36
58	Biochemical characterization of Trypanosoma brucei RNA polymerase II. Molecular and Biochemical Parasitology, 2006, 150, 201-210.	1.1	35
59	Characterization of the biochemical and biophysical properties of the phosphatidylserine receptor (PS-R) gene product. Molecular and Cellular Biochemistry, 2007, 304, 119-125.	3.1	34
60	Protein S Protects against Podocyte Injury in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2018, 29, 1397-1410.	6.1	34
61	Downregulation of a Dorsal Root Ganglionâ€Specifically Enriched Long Noncoding RNA is Required for Neuropathic Pain by Negatively Regulating RALYâ€Triggered Ehmt2 Expression. Advanced Science, 2021, 8, e2004515.	11.2	34
62	A nerve injuryâ€“specific long noncoding RNA promotes neuropathic pain by increasing Ccl2 expression. Journal of Clinical Investigation, 2022, 132, .	8.2	34
63	Transactivation of Abl by the Crk II adapter protein requires a PNAY sequence in the Crk C-terminal SH3 domain. Oncogene, 2005, 24, 8187-8199.	5.9	31
64	Post-Translational Modifications in the Rat Lumbar Spinal Cord in Experimental Autoimmune Encephalomyelitis. Journal of Proteome Research, 2007, 6, 2786-2791.	3.7	29
65	Identification of novel S-nitrosation sites in soluble guanylyl cyclase, the nitric oxide receptor. Journal of Proteomics, 2016, 138, 40-47.	2.4	28
66	Potential protein biomarkers for burning mouth syndrome discovered by quantitative proteomics. Molecular Pain, 2017, 13, 174480691668679.	2.1	28
67	Aberrant regulation of choline metabolism by mitochondrial electron transport system inhibition in neuroblastoma cells. Metabolomics, 2008, 4, 347-356.	3.0	27
68	Altered proteolytic events in experimental autoimmune encephalomyelitis discovered by iTRAQ shotgun proteomics analysis of spinal cord. Proteome Science, 2009, 7, 25.	1.7	27
69	Proteomic Identification of Immunoproteasome Accumulation in Formalin-Fixed Rodent Spinal Cords with Experimental Autoimmune Encephalomyelitis. Journal of Proteome Research, 2012, 11, 1791-1803.	3.7	27
70	Paradoxical effects of a stress signal on pro- and anti-apoptotic machinery in HTLV-1 Tax expressing cells. Molecular and Cellular Biochemistry, 2003, 245, 99-113.	3.1	25
71	Identification of Bax-Interacting Proteins in Oligodendrocyte Progenitors during Glutamate Excitotoxicity and Perinatal Hypoxiaâ€“Ischemia. ASN Neuro, 2013, 5, AN20130027.	2.7	25
72	Guanylyl cyclase sensitivity to nitric oxide is protected by a thiol oxidation-driven interaction with thioredoxin-1. Journal of Biological Chemistry, 2017, 292, 14362-14370.	3.4	25

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73	Ciliary neurotrophic factor (CNTF) plus soluble CNTF receptor Î± increases cyclooxygenase-2 expression, PGE2release and interferon-Î³-induced CD40 in murine microglia. Journal of Neuroinflammation, 2009, 6, 7.	7.2	24
74	Purification and mass spectrometric analysis of the Î¼ opioid receptor. Molecular Brain Research, 2003, 118, 119-131.	2.3	23
75	Mass Spectrometric Analysis of SOX11-Binding Proteins in Head and Neck Cancer Cells Demonstrates the Interaction of SOX11 and HSP90Î±. Journal of Proteome Research, 2017, 16, 3961-3968.	3.7	23
76	Expression and purification of the dihydrolipoamide acetyltransferase and dihydrolipoamide dehydrogenase subunits of the Escherichia coli pyruvate dehydrogenase multienzyme complex: a mass spectrometric assay for reductive acetylation of dihydrolipoamide acetyltransferase. Protein Expression and Purification, 2003, 28, 140-150.	1.3	22
77	Amyotrophic lateral sclerosis: Protein chaperone dysfunction revealed by proteomic studies of animal models. Proteomics - Clinical Applications, 2008, 2, 670-684.	1.6	22
78	Functional proteomics approaches for the identification of transnitrosylase and denitrosylase targets. Methods, 2013, 62, 151-160.	3.8	22
79	LIM-Nebulette Reinforces Podocyte Structural Integrity by Linking Actin and Vimentin Filaments. Journal of the American Society of Nephrology: JASN, 2020, 31, 2372-2391.	6.1	22
80	Troglitazone-induced fulminant hepatitis. Journal of Diabetes and Its Complications, 2000, 14, 175-177.	2.3	21
81	PKA and CDK5 can phosphorylate specific serines on the intracellular domain of podoplanin (PDPN) to inhibit cell motility. Experimental Cell Research, 2015, 335, 115-122.	2.6	21
82	iTRAQ-Based Shotgun Neuroproteomics. Methods in Molecular Biology, 2009, 566, 201-216.	0.9	21
83	Purification and mass spectrometric analysis of the Î´ opioid receptor. Molecular Brain Research, 2005, 136, 54-64.	2.3	19
84	Differential Regulation of Host Genes Including Hepatic Fatty Acid Synthase in HBV-Transgenic Mice. Journal of Proteome Research, 2013, 12, 2967-2979.	3.7	19
85	A multiplexed proteomics approach to differentiate neurite outgrowth patterns. Journal of Neuroscience Methods, 2006, 158, 22-29.	2.5	18
86	Host Biomarkers of Invasive Pulmonary Aspergillosis To Monitor Therapeutic Response. Antimicrobial Agents and Chemotherapy, 2014, 58, 3373-3378.	3.2	18
87	Cleavage of recombinant proenkephalin and blockade mutants by prohormone convertases 1 and 2: an in vitro specificity study. Journal of Neurochemistry, 2004, 87, 868-878.	3.9	17
88	Identification of Novel Nuclear Targets of Human Thioredoxin 1. Molecular and Cellular Proteomics, 2014, 13, 3507-3518.	3.8	17
89	Purification and mass spectrometric analysis of the Î¹ opioid receptor. Brain Research, 2008, 1230, 13-26.	2.2	16
90	Morphine Regulated Synaptic Networks Revealed by Integrated Proteomics and Network Analysis. Molecular and Cellular Proteomics, 2015, 14, 2564-2576.	3.8	16

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91	Peculiar unilateral fixed drug eruption of the breast. International Journal of Dermatology, 2002, 41, 96-98.	1.0	14
92	Cyclophilin A Inhibitor Debio-025 Targets Crk, Reduces Metastasis, and Induces Tumor Immunogenicity in Breast Cancer. Molecular Cancer Research, 2020, 18, 1189-1201.	3.4	14
93	Proteomic analysis of mitochondrial biogenesis in cardiomyocytes differentiated from human induced pluripotent stem cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R547-R562.	1.8	14
94	ATR/ATM-Mediated Phosphorylation of BRCA1 T1394 Promotes Homologous Recombinational Repair and G2â€“M Checkpoint Maintenance. Cancer Research, 2021, 81, 4676-4684.	0.9	14
95	Nectin-like 4 Complexes with Choline Transporter-like Protein-1 and Regulates Schwann Cell Choline Homeostasis and Lipid Biogenesis in Vitro. Journal of Biological Chemistry, 2017, 292, 4484-4498.	3.4	13
96	Selective cysteines oxidation in soluble guanylyl cyclase catalytic domain is involved in NO activation. Free Radical Biology and Medicine, 2021, 162, 450-460.	2.9	13
97	Bimodal occurrence of aspartoacylase in myelin and cytosol of brain. Journal of Neurochemistry, 2007, 101, 448-457.	3.9	12
98	Purkinje cell dysfunction and delayed death in plasma membrane calcium ATPase 2-heterozygous mice. Molecular and Cellular Neurosciences, 2012, 51, 22-31.	2.2	12
99	Proteomic strategies in multiple sclerosis and its animal models. Proteomics - Clinical Applications, 2007, 1, 1393-1405.	1.6	11
100	Master redox regulator Trx1 upregulates SMYD1 & modulates lysine methylation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1816-1822.	2.3	11
101	Plasminogenuria is associated with podocyte injury, edema, and kidney dysfunction in incident glomerular disease. FASEB Journal, 2020, 34, 16191-16204.	0.5	11
102	Two Bioactive Molecular Weight Fractions of a Conditioned Medium Enhance RPE Cell Survival on Age-Related Macular Degeneration and Aged Bruch's Membrane. Translational Vision Science and Technology, 2016, 5, 8.	2.2	10
103	Mapping Soluble Guanylyl Cyclase and Protein Disulfide Isomerase Regions of Interaction. PLoS ONE, 2015, 10, e0143523.	2.5	10
104	IDH2-mediated regulation of the biogenesis of the oxidative phosphorylation system. Science Advances, 2022, 8, eabl8716.	10.3	10
105	Sulfonation of the resolving cysteine in human peroxiredoxin 1: A comprehensive analysis by mass spectrometry. Free Radical Biology and Medicine, 2017, 108, 785-792.	2.9	9
106	Comprehensive identification of protein disulfide bonds with pepsin/trypsin digestion, Orbitrap HCD and Spectrum Identification Machine. Journal of Proteomics, 2019, 198, 78-86.	2.4	9
107	The structure of ubiquinones isolated from developing embryos of Manduca sexta. Insect Biochemistry and Molecular Biology, 1998, 28, 69-73.	2.7	8
108	Proteomic Mechanisms of Cardioprotection during Mammalian Hibernation in Woodchucks, Marmota Monax. Journal of Proteome Research, 2013, 12, 4221-4229.	3.7	8

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109	A multidimensional approach to an in-depth proteomics analysis of transcriptional regulators in neuroblastoma cells. Journal of Neuroscience Methods, 2013, 216, 118-127.	2.5	8
110	Dissecting the concordant and disparate roles of NDUFAF3 and NDUFAF4 in mitochondrial complex I biogenesis. IScience, 2021, 24, 102869.	4.1	8
111	A novel proteomic coculture model of prostate cancer cell growth. Proteomics, 2004, 4, 3268-3275.	2.2	7
112	The structure of dolichols isolated from Manduca sexta larvae. Insect Biochemistry and Molecular Biology, 1995, 25, 1019-1026.	2.7	6
113	S-Nitrosylation in Organs of Mice Exposed to Low or High Doses of Î³-Rays: The Modulating Effect of Iodine Contrast Agent at a Low Radiation Dose. Proteomes, 2015, 3, 56-73.	3.5	4
114	Design and properties of efficient tRNA:EF-Tu FRET system for studies of ribosomal translation. Protein Engineering, Design and Selection, 2013, 26, 347-357.	2.1	3
115	Identification of Thioredoxin Target Protein Networks in Cardiac Tissues of a Transgenic Mouse. Methods in Molecular Biology, 2013, 1005, 181-197.	0.9	3
116	A role for Saccharomyces cerevisiae Centrin (Cdc31) in mitochondrial function and biogenesis. Molecular Microbiology, 2018, 110, 831-846.	2.5	3
117	Biotin Switch Processing and Mass Spectrometry Analysis of S-Nitrosated Thioredoxin and Its Transnitrosation Targets. Methods in Molecular Biology, 2018, 1747, 253-266.	0.9	3
118	A novel role for endoplasmic reticulum protein 46 (ERp46) in platelet function and arterial thrombosis in mice. Blood, 2022, 139, 2050-2065.	1.4	3
119	Proteomic cellular signatures of kinase inhibitor-induced cardiotoxicity. Scientific Data, 2022, 9, 18.	5.3	2
120	iTRAQ Proteomics Profiling of Regulatory Proteins During Oligodendrocyte Differentiation. Neuromethods, 2012, , 119-138.	0.3	1