

# Chao-Jun Li

## List of Publications by Year in descending order

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98  
papers

3,301  
citations

172457

29  
h-index

175258

52  
g-index

101  
all docs

101  
docs citations

101  
times ranked

5604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive gene expression profiles reveal pathways related to the pathogenesis of chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14895-14900.	7.1	310
2	Absence of 2019 novel coronavirus in semen and testes of COVID-19 patients. <i>Biology of Reproduction</i> , 2020, 103, 4-6.	2.7	236
3	hRpn13/ADRM1/GP110 is a novel proteasome subunit that binds the deubiquitinating enzyme, UCH37. <i>EMBO Journal</i> , 2006, 25, 5742-5753.	7.8	208
4	Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. <i>Nature</i> , 2018, 553, 101-105.	27.8	170
5	TGF- $\beta$ 1 stimulates HO-1 via the p38 mitogen-activated protein kinase in A549 pulmonary epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 283, L1094-L1102.	2.9	92
6	Egr-1 decreases adipocyte insulin sensitivity by tilting PI3K/Akt and MAPK signal balance in mice. <i>EMBO Journal</i> , 2011, 30, 3754-3765.	7.8	89
7	Liver governs adipose remodelling via extracellular vesicles in response to lipid overload. <i>Nature Communications</i> , 2020, 11, 719.	12.8	89
8	Knockdown of c-Met by adenovirus-delivered small interfering RNA inhibits hepatocellular carcinoma growth in vitro and in vivo. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1577-1584.	4.1	80
9	MAPK pathway mediates EGR-1-HSP70-dependent cigarette smoke-induced chemokine production. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1297-L1303.	2.9	71
10	Celastrol Attenuates Hypertension-Induced Inflammation and Oxidative Stress in Vascular Smooth Muscle Cells via Induction of Heme Oxygenase-1. <i>American Journal of Hypertension</i> , 2010, 23, 895-903.	2.0	71
11	An Early Response Transcription Factor, Egr-1, Enhances Insulin Resistance in Type 2 Diabetes with Chronic Hyperinsulinism. <i>Journal of Biological Chemistry</i> , 2011, 286, 14508-14515.	3.4	70
12	Cigarette Smoke Stimulates Matrix Metalloproteinase-2 Activity via EGR-1 in Human Lung Fibroblasts. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 480-490.	2.9	66
13	Altered Contractile Phenotypes of Intestinal Smooth Muscle in Mice Deficient in Myosin Phosphatase Target Subunit 1. <i>Gastroenterology</i> , 2013, 144, 1456-1465.e5.	1.3	62
14	Altered protein prenylation in Sertoli cells is associated with adult infertility resulting from childhood mumps infection. <i>Journal of Experimental Medicine</i> , 2013, 210, 1559-1574.	8.5	58
15	Angiopoietin-1 Overexpression Modulates Vascular Endothelium to Facilitate Tumor Cell Dissemination and Metastasis Establishment. <i>Cancer Research</i> , 2009, 69, 4656-4664.	0.9	57
16	Role of myosin light chain kinase in regulation of basal blood pressure and maintenance of salt-induced hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H584-H591.	3.2	55
17	Protein prenylation and human diseases: a balance of protein farnesylation and geranylgeranylation. <i>Science China Life Sciences</i> , 2015, 58, 328-335.	4.9	50
18	Cigarette Smoke-Induced Pulmonary Inflammatory Responses Are Mediated by EGR-1/GGPPS/MAPK Signaling. <i>American Journal of Pathology</i> , 2011, 178, 110-118.	3.8	47

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19	hNRAGE, a human neurotrophin receptor interacting MAGE homologue, regulates p53 transcriptional activity and inhibits cell proliferation. <i>FEBS Letters</i> , 2004, 564, 171-176.	2.8	44
20	The alteration of protein prenylation induces cardiomyocyte hypertrophy through Rheb-mediated mTORC1 signalling and leads to chronic heart failure. <i>Journal of Pathology</i> , 2015, 235, 672-685.	4.5	42
21	Regulation of DLK1 by the maternally expressed miR-379/miR-544 cluster may underlie callipyge polar overdominance inheritance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13627-13632.	7.1	41
22	Polycomb group RING finger proteins 3/5 activate transcription via an interaction with the pluripotency factor Tex10 in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 21527-21537.	3.4	40
23	Geranylgeranyl diphosphate synthase (GGPPS) regulates non-alcoholic fatty liver disease (NAFLD) fibrosis progression by determining hepatic glucose/fatty acid preference under high-fat diet conditions. <i>Journal of Pathology</i> , 2018, 246, 277-288.	4.5	40
24	GGPPS-mediated Rab27A geranylgeranylation regulates $\beta_2$ cell dysfunction during type 2 diabetes development by affecting insulin granule docked pool formation. <i>Journal of Pathology</i> , 2016, 238, 109-119.	4.5	39
25	Intracellular Trafficking of Histone Deacetylase 4 Regulates Long-Term Memory Formation. <i>Anatomical Record</i> , 2011, 294, 1025-1034.	1.4	38
26	GARNL1, a major RalGAP $\beta$ subunit in skeletal muscle, regulates insulin-stimulated RalA activation and GLUT4 trafficking via interaction with 14-3-3 proteins. <i>Cellular Signalling</i> , 2014, 26, 1636-1648.	3.6	37
27	EGR1 regulates hepatic clock gene amplitude by activating Per1 transcription. <i>Scientific Reports</i> , 2015, 5, 15212.	3.3	37
28	Neck dissection for oral mucosal melanoma: Caution of nodular lesion. <i>Oral Oncology</i> , 2014, 50, 319-324.	1.5	36
29	GGPP-Mediated Protein Geranylgeranylation in Oocyte Is Essential for the Establishment of Oocyte-Granulosa Cell Communication and Primary-Secondary Follicle Transition in Mouse Ovary. <i>PLoS Genetics</i> , 2017, 13, e1006535.	3.5	35
30	Defects in a liver-bone axis contribute to hepatic osteodystrophy disease progression. <i>Cell Metabolism</i> , 2022, 34, 441-457.e7.	16.2	34
31	$\beta_2$ -Microglobulin Maintains Glioblastoma Stem Cells and Induces M2-like Polarization of Tumor-Associated Macrophages. <i>Cancer Research</i> , 2022, 82, 3321-3334.	0.9	31
32	Lipid-induced Muscle Insulin Resistance Is Mediated by GGPPS via Modulation of the RhoA/Rho Kinase Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 20086-20097.	3.4	30
33	Carbon monoxide inhibits IL-17-induced IL-6 production through the MAPK pathway in human pulmonary epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L268-L273.	2.9	29
34	One of the possible mechanisms for the inhibition effect of Tb(III) on peroxidase activity in horseradish ( <i>Armoracia rusticana</i> ) treated with Tb(III). <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 587-597.	2.6	28
35	Inhibition of GGPPS1 attenuated LPS-induced acute lung injury and was associated with NLRP3 inflammasome suppression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L567-L577.	2.9	28
36	Human NRAGE disrupts E-cadherin/ $\beta$ -catenin regulated homotypic cell-cell adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 247-251.	2.1	27

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37	Egr-1 enhances drug resistance of breast cancer by modulating MDR1 expression in a GGPPS-independent manner. <i>Biomedicine and Pharmacotherapy</i> , 2013, 67, 197-202.	5.6	27
38	Tissue inhibitor of metalloproteinase-1 protects MCF7 breast cancer cells from paclitaxel-induced apoptosis by decreasing the stability of cyclin B1. <i>International Journal of Cancer</i> , 2010, 126, 362-370.	5.1	26
39	GGPPS, a New EGR-1 Target Gene, Reactivates ERK 1/2 Signaling through Increasing Ras Prenylation. <i>American Journal of Pathology</i> , 2011, 179, 2740-2750.	3.8	25
40	PP2A $\beta$ positively regulates the termination of liver regeneration in mice through the AKT/GSK3 $\beta$ /Cyclin D1 pathway. <i>Journal of Hepatology</i> , 2016, 64, 352-360.	3.7	25
41	The association of calmodulin with central spindle regulates the initiation of cytokinesis in HeLa cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1562-1572.	2.8	24
42	Polo-like kinase 1 regulates mitotic arrest after UV irradiation through dephosphorylation of p53 and inducing p53 degradation. <i>FEBS Letters</i> , 2006, 580, 3624-3630.	2.8	23
43	Protein Phosphatase 2A Catalytic Subunit $\beta$ (PP2A $\beta$ ) Maintains Survival of Committed Erythroid Cells in Fetal Liver Erythropoiesis through the STAT5 Pathway. <i>American Journal of Pathology</i> , 2011, 178, 2333-2343.	3.8	23
44	GGPPS deficiency aggravates CCl <sub>4</sub> -induced liver injury by inducing hepatocyte apoptosis. <i>FEBS Letters</i> , 2015, 589, 1119-1126.	2.8	23
45	Lipocalin-2 Exacerbates Lupus Nephritis by Promoting Th1 Cell Differentiation. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2263-2277.	6.1	23
46	Prokaryotic expression and polyclonal antibody preparation of a novel Rab-like protein mRabL5. <i>Protein Expression and Purification</i> , 2007, 53, 1-8.	1.3	21
47	The Magea gene cluster regulates male germ cell apoptosis without affecting the fertility in mice. <i>Scientific Reports</i> , 2016, 6, 26735.	3.3	20
48	The mitochondrial protease LONP1 maintains oocyte development and survival by suppressing nuclear translocation of AIFM1 in mammals. <i>EBioMedicine</i> , 2022, 75, 103790.	6.1	20
49	EGR-1 regulates Ho-1 expression induced by cigarette smoke. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 388-393.	2.1	19
50	The alteration of RhoA geranylgeranylation and Ras farnesylation breaks the integrity of the blood-testis barrier and results in hypospermatogenesis. <i>Cell Death and Disease</i> , 2019, 10, 450.	6.3	19
51	The balance of protein farnesylation and geranylgeranylation during the progression of nonalcoholic fatty liver disease. <i>Journal of Biological Chemistry</i> , 2020, 295, 5152-5162.	3.4	19
52	Serotonin Control of Thermotaxis Memory Behavior in Nematode <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2013, 8, e77779.	2.5	19
53	The Constitutive Activation of Egr-1/C/EBP $\alpha$ Mediates the Development of Type 2 Diabetes Mellitus by Enhancing Hepatic Gluconeogenesis. <i>American Journal of Pathology</i> , 2015, 185, 513-523.	3.8	18
54	Alteration of protein prenylation promotes spermatogonial differentiation and exhausts spermatogonial stem cells in newborn mice. <i>Scientific Reports</i> , 2016, 6, 28917.	3.3	18

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55	Spermatogenesis improved by suppressing the high level of endogenous gonadotropins in idiopathic non-obstructive azoospermia: a case control pilot study. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 91.	3.3	18
56	ATF3 deficiency impairs the proliferative secretory phase transition and decidualization in RIF patients. <i>Cell Death and Disease</i> , 2021, 12, 387.	6.3	18
57	HOXA10 suppresses p/CAF promoter activity via three consecutive TTAT units in human endometrial stromal cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 16-21.	2.1	17
58	Hypoxia Stabilizes Microtubule Networks and Decreases Tumor Cell Chemosensitivity to Anticancer Drugs Through Egr1. <i>Anatomical Record</i> , 2010, 293, 414-420.	1.4	17
59	GGPPS1 predicts the biological character of hepatocellular carcinoma in patients with cirrhosis. <i>BMC Cancer</i> , 2014, 14, 248.	2.6	17
60	Analysis of transcription factor Stk40 expression and function during mouse pre-implantation embryonic development. <i>Molecular Medicine Reports</i> , 2014, 9, 535-540.	2.4	17
61	Zoledronic acid, an FPPS inhibitor, ameliorates liver steatosis through inhibiting hepatic de novo lipogenesis. <i>European Journal of Pharmacology</i> , 2017, 814, 169-177.	3.5	17
62	Regulation of mice liver regeneration by early growth response-1 through the GGPPS/RAS/MAPK pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 147-154.	2.8	16
63	Partial Enteral Nutrition Mitigated Ischemia/Reperfusion-Induced Damage of Rat Small Intestinal Barrier. <i>Nutrients</i> , 2016, 8, 502.	4.1	15
64	Geranylgeranyl pyrophosphate synthase facilitates the organization of cardiomyocytes during mid-gestation through modulating protein geranylgeranylation in mouse heart. <i>Cardiovascular Research</i> , 2018, 114, 965-978.	3.8	15
65	Calmodulin is essential for angiogenesis in response to hypoxic stress in endothelial cells. <i>Cell Biology International</i> , 2007, 31, 126-134.	3.0	14
66	Î2-catenin signaling involves HGF-enhanced HepG2 scattering through activating MMP-7 transcription. <i>Histochemistry and Cell Biology</i> , 2010, 134, 285-295.	1.7	12
67	Fenofibrate decreases the bone quality by down regulating Runx2 in high-fat-diet induced Type 2 diabetes mellitus mouse model. <i>Lipids in Health and Disease</i> , 2017, 16, 201.	3.0	12
68	The association of CaM and Hsp70 regulates S-phase arrest and apoptosis in a spatially and temporally dependent manner in human cells. <i>Cell Stress and Chaperones</i> , 2009, 14, 343-353.	2.9	11
69	Geranylgeranyl Diphosphate Synthase Modulates Fetal Lung Branching Morphogenesis Possibly through Controlling K-Ras Prenylation. <i>American Journal of Pathology</i> , 2016, 186, 1454-1465.	3.8	10
70	Egr1 transcriptionally activates protein phosphatase PTP1B to facilitate hyperinsulinemia-induced insulin resistance in the liver in type 2 diabetes. <i>FEBS Letters</i> , 2019, 593, 3054-3063.	2.8	10
71	Recruitment of Brd3 and Brd4 to acetylated chromatin is essential for proinflammatory cytokine-induced matrix-degrading enzyme expression. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 59.	2.3	10
72	Calmodulin bound to stress fibers but not microtubules involves regulation of cell morphology and motility. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 284-293.	2.8	9

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73	GRP78 inhibits macrophage adhesion via SR-A. <i>Journal of Biomedical Research</i> , 2014, 28, 269-74.	1.6	9
74	IKK-Mediated Regulation of the COP9 Signalosome via Phosphorylation of CSN5. <i>Journal of Proteome Research</i> , 2020, 19, 1119-1130.	3.7	9
75	HSC-specific knockdown of GGPPS alleviated CCl <sub>4</sub> -induced chronic liver fibrosis through mediating RhoA/Rock pathway. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 2382-2392.	0.0	9
76	PPAR $\delta$ Activation Attenuates Glycated-Serum Induced Pancreatic Beta-Cell Dysfunction through Enhancing Pdx1 and Mafa Protein Stability. <i>PLoS ONE</i> , 2013, 8, e56386.	2.5	8
77	Egr1 deficiency disrupts dynamic equilibrium of chondrocyte extracellular matrix through PPAR $\delta$ /RUNX2 signaling pathways. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 1620-1632.	0.0	8
78	Calmodulin activation of polo-like kinase 1 is required during mitotic entry. <i>Biochemistry and Cell Biology</i> , 2013, 91, 287-294.	2.0	7
79	MILI, a PIWI family protein, inhibits melanoma cell migration through methylation of LINE1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 514-519.	2.1	7
80	Early growth response $\alpha$ 1 negative feedback regulates skeletal muscle postprandial insulin sensitivity via activating Ptp 1b transcription. <i>FASEB Journal</i> , 2018, 32, 4370-4379.	0.5	7
81	Conditional loss of geranylgeranyl diphosphate synthase alleviates acute obstructive cholestatic liver injury by regulating hepatic bile acid metabolism. <i>FEBS Journal</i> , 2020, 287, 3328-3345.	4.7	7
82	Zoledronic acid inhibits TSC2-null cell tumor growth via RhoA/YAP signaling pathway in mouse models of lymphangioleiomyomatosis. <i>Cancer Cell International</i> , 2020, 20, 46.	4.1	7
83	Knockdown of Ggps1 in chondrocyte expedites fracture healing by accelerating the progression of endochondral ossification in mice. <i>Journal of Bone and Mineral Metabolism</i> , 2018, 36, 133-147.	2.7	6
84	Global Phosphoproteomic Analysis Reveals Significant Metabolic Reprogramming in the Termination of Liver Regeneration in Mice. <i>Journal of Proteome Research</i> , 2020, 19, 1788-1799.	3.7	6
85	Ggps1 deficiency in the uterus results in dystocia by disrupting uterine contraction. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 116-127.	3.3	6
86	Urinary levels of dimethoate, bisphenol A and benzo[a]pyrene in first-year students of Hohai University from different geographical regions. <i>BMC Public Health</i> , 2021, 21, 1692.	2.9	6
87	G Protein-Coupled Receptor 30 Mediates the Anticancer Effects Induced by Eicosapentaenoic Acid in Ovarian Cancer Cells. <i>Cancer Research and Treatment</i> , 2020, 52, 815-829.	3.0	6
88	Spatiotemporal pattern of calmodulin and [Ca <sup>2+</sup> ] <sub>i</sub> is related to resumption of meiosis in mouse oocytes. <i>Cell Biology International</i> , 2004, 28, 317-322.	3.0	5
89	Geranylgeranyl pyrophosphate-mediated protein geranylgeranylation regulates endothelial cell proliferation and apoptosis during vasculogenesis in mouse embryo. <i>Journal of Genetics and Genomics</i> , 2021, 48, 300-311.	3.9	5
90	Gonadal white adipose tissue is important for gametogenesis in mice through maintenance of local metabolic and immune niches. <i>Journal of Biological Chemistry</i> , 2022, 298, 101818.	3.4	5

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91	GGPP depletion initiates metaflammation through disequilibrating CYB5R3-dependent eicosanoid metabolism. <i>Journal of Biological Chemistry</i> , 2020, 295, 15988-16001.	3.4	4
92	Overexpression of $\beta$ -Catenin is Responsible for the Development of Portal Hypertension During Liver Cirrhosis. <i>Anatomical Record</i> , 2009, 292, 818-826.	1.4	3
93	One-Step Construction of Lentiviral Reporter Using Red-Mediated Recombination. <i>Molecular Biotechnology</i> , 2011, 49, 278-282.	2.4	3
94	Evidence for a role of geranylgeranylation in renal angiomyolipoma and renal epithelioid angiomyolipoma. <i>Oncology Letters</i> , 2018, 17, 1523-1530.	1.8	1
95	Cholesterol metabolic enzyme Ggpps regulates epicardium development and ventricular wall architecture integrity in mice. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 445-454.	3.3	1
96	Serum proteome profiling reveals differentially expressed proteins between subjects with metabolically healthy obesity and nonalcoholic fatty liver disease. <i>Journal of Proteomics</i> , 2022, 260, 104556.	2.4	1
97	The gate to metabolic crossroads. <i>Science Bulletin</i> , 2021, 66, 1488-1490.	9.0	0
98	Altered protein prenylation in Sertoli cells is associated with adult infertility resulting from childhood Mumps infection. <i>Journal of Cell Biology</i> , 2013, 202, 202101A48.	5.2	0