

# Sheng-Cai Lin

## List of Publications by Year in descending order

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94  
papers

13,367  
citations

41323

49  
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40954

93  
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95  
docs citations

95  
times ranked

18466  
citing authors

#	ARTICLE	IF	CITATIONS
1	A CBP Integrator Complex Mediates Transcriptional Activation and AP-1 Inhibition by Nuclear Receptors. <i>Cell</i> , 1996, 85, 403-414.	13.5	2,078
2	RIP3, an Energy Metabolism Regulator That Switches TNF-Induced Cell Death from Apoptosis to Necrosis. <i>Science</i> , 2009, 325, 332-336.	6.0	1,637
3	Involvement of MicroRNA in AU-Rich Element-Mediated mRNA Instability. <i>Cell</i> , 2005, 120, 623-634.	13.5	787
4	AMPK: Sensing Glucose as well as Cellular Energy Status. <i>Cell Metabolism</i> , 2018, 27, 299-313.	7.2	757
5	Molecular basis of the little mouse phenotype and Implications for cell type-specific growth. <i>Nature</i> , 1993, 364, 208-213.	13.7	477
6	Fructose-1,6-bisphosphate and aldolase mediate glucose sensing by AMPK. <i>Nature</i> , 2017, 548, 112-116.	13.7	469
7	AMPK and TOR: The Yin and Yang of Cellular Nutrient Sensing and Growth Control. <i>Cell Metabolism</i> , 2020, 31, 472-492.	7.2	428
8	Cidea-deficient mice have lean phenotype and are resistant to obesity. <i>Nature Genetics</i> , 2003, 35, 49-56.	9.4	412
9	The Lysosomal v-ATPase-Ragulator Complex Is a Common Activator for AMPK and mTORC1, Acting as a Switch between Catabolism and Anabolism. <i>Cell Metabolism</i> , 2014, 20, 526-540.	7.2	406
10	GSK3-TIP60-ULK1 Signaling Pathway Links Growth Factor Deprivation to Autophagy. <i>Science</i> , 2012, 336, 477-481.	6.0	320
11	Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth. <i>Nature</i> , 1992, 360, 765-768.	13.7	311
12	Cytosporone B is an agonist for nuclear orphan receptor Nur77. <i>Nature Chemical Biology</i> , 2008, 4, 548-556.	3.9	302
13	Kinases Mst1 and Mst2 positively regulate phagocytic induction of reactive oxygen species and bactericidal activity. <i>Nature Immunology</i> , 2015, 16, 1142-1152.	7.0	218
14	AMP as a Low-Energy Charge Signal Autonomously Initiates Assembly of AXIN-AMPK-LKB1 Complex for AMPK Activation. <i>Cell Metabolism</i> , 2013, 18, 546-555.	7.2	215
15	Low-dose metformin targets the lysosomal AMPK pathway through PEN2. <i>Nature</i> , 2022, 603, 159-165.	13.7	205
16	Metformin Activates AMPK through the Lysosomal Pathway. <i>Cell Metabolism</i> , 2016, 24, 521-522.	7.2	196
17	Axin is a scaffold protein in TGF- $\beta$ signaling that promotes degradation of Smad7 by Arkadia. <i>EMBO Journal</i> , 2006, 25, 1646-1658.	3.5	161
18	The Ames Dwarf Gene Is Required for Pit-1 Gene Activation. <i>Developmental Biology</i> , 1995, 172, 495-503.	0.9	160

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19	Axin stimulates p53 functions by activation of HIPK2 kinase through multimeric complex formation. EMBO Journal, 2004, 23, 4583-4594.	3.5	150
20	The orphan nuclear receptor Nur77 regulates LKB1 localization and activates AMPK. Nature Chemical Biology, 2012, 8, 897-904.	3.9	149
21	Characterization of a Novel Mammalian RGS Protein That Binds to GÎ± Proteins and Inhibits Pheromone Signaling in Yeast. Journal of Biological Chemistry, 1997, 272, 8679-8685.	1.6	147
22	Axin: A Master Scaffold for Multiple Signaling Pathways. NeuroSignals, 2004, 13, 99-113.	0.5	136
23	Inactivation of Rheb by PRAK-mediated phosphorylation is essential for energy-depletion-induced suppression of mTORC1. Nature Cell Biology, 2011, 13, 263-272.	4.6	128
24	Hepatocellular carcinoma redirects to ketolysis for progression under nutrition deprivation stress. Cell Research, 2016, 26, 1112-1130.	5.7	112
25	Axin Forms a Complex with MEKK1 and Activates c-Jun NH2-terminal Kinase/Stress-activated Protein Kinase through Domains Distinct from Wnt Signaling. Journal of Biological Chemistry, 1999, 274, 35247-35254.	1.6	111
26	Hierarchical activation of compartmentalized pools of AMPK depends on severity of nutrient or energy stress. Cell Research, 2019, 29, 460-473.	5.7	101
27	AMPK Promotes Autophagy by Facilitating Mitochondrial Fission. Cell Metabolism, 2016, 23, 399-401.	7.2	99
28	Daxx Cooperates with the Axin/HIPK2/p53 Complex to Induce Cell Death. Cancer Research, 2007, 67, 66-74.	0.4	98
29	ULK1/2 Constitute a Bifurcate Node Controlling Glucose Metabolic Fluxes in Addition to Autophagy. Molecular Cell, 2016, 62, 359-370.	4.5	97
30	The Core Protein of Glypican Dally-Like Determines Its Biphasic Activity in Wingless Morphogen Signaling. Developmental Cell, 2009, 17, 470-481.	3.1	96
31	The Membrane Association Domain of RGS16 Contains Unique Amphipathic Features That Are Conserved in RGS4 and RGS5. Journal of Biological Chemistry, 1999, 274, 19799-19806.	1.6	91
32	Transient Receptor Potential V Channels Are Essential for Glucose Sensing by Aldolase and AMPK. Cell Metabolism, 2019, 30, 508-524.e12.	7.2	86
33	Axin determines cell fate by controlling the p53 activation threshold after DNA damage. Nature Cell Biology, 2009, 11, 1128-1134.	4.6	82
34	Developmental expression of mRNAs encoding thymosins Î²4 and Î²10 in rat brain and other tissues. Journal of Molecular Neuroscience, 1990, 2, 35-44.	1.1	78
35	SUMO-1 Modification of the C-terminal KVEKVD of Axin Is Required for JNK Activation but Has No Effect on Wnt Signaling. Journal of Biological Chemistry, 2002, 277, 42981-42986.	1.6	77
36	AMP-activated protein kinase “ not just an energy sensor. F1000Research, 2017, 6, 1724.	0.8	72

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37	Tob1 Controls Dorsal Development of Zebrafish Embryos by Antagonizing Maternal $\beta$ -Catenin Transcriptional Activity. <i>Developmental Cell</i> , 2006, 11, 225-238.	3.1	67
38	Cdk5-Mediated Phosphorylation of Axin Directs Axon Formation during Cerebral Cortex Development. <i>Journal of Neuroscience</i> , 2011, 31, 13613-13624.	1.7	67
39	The Axin/TNKS complex interacts with KIF3A and is required for insulin-stimulated GLUT4 translocation. <i>Cell Research</i> , 2012, 22, 1246-1257.	5.7	65
40	p53 mediates the negative regulation of MDM2 by orphan receptor TR3. <i>EMBO Journal</i> , 2006, 25, 5703-5715.	3.5	62
41	The orphan receptor TR3 suppresses intestinal tumorigenesis in mice by downregulating Wnt signalling. <i>Gut</i> , 2012, 61, 714-724.	6.1	62
42	Detection of point mutations of the Axin1 gene in colorectal cancers. <i>International Journal of Cancer</i> , 2003, 107, 696-699.	2.3	61
43	Axin Utilizes Distinct Regions for Competitive MEKK1 and MEKK4 Binding and JNK Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 37451-37458.	1.6	61
44	ChIP-seq and Functional Analysis of the SOX2 Gene in Colorectal Cancers. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 369-384.	1.0	61
45	RXR $\alpha$ acts as a carrier for TR3 nuclear export in a 9-cis retinoic acid-dependent manner in gastric cancer cells. <i>Journal of Cell Science</i> , 2004, 117, 5609-5621.	1.2	59
46	$\beta$ -actin is required for mitochondria clustering and ROS generation in TNF-induced, caspase-independent cell death. <i>Journal of Cell Science</i> , 2004, 117, 4673-4680.	1.2	58
47	A Suppressive Role of the Prolyl Isomerase Pin1 in Cellular Apoptosis Mediated by the Death-associated Protein Daxx. <i>Journal of Biological Chemistry</i> , 2007, 282, 36671-36681.	1.6	58
48	CIDE-A, a novel link between brown adipose tissue and obesity. <i>Trends in Molecular Medicine</i> , 2004, 10, 434-439.	3.5	53
49	RGS16 Attenuates G $\beta$ q-dependent p38 Mitogen-activated Protein Kinase Activation by Platelet-activating Factor. <i>Journal of Biological Chemistry</i> , 1999, 274, 2851-2857.	1.6	51
50	A $\beta$ -Catenin-Independent Dorsalization Pathway Activated by Axin/JNK Signaling and Antagonized by Aida. <i>Developmental Cell</i> , 2007, 13, 268-282.	3.1	50
51	Axin-Induced Apoptosis Depends on the Extent of Its JNK Activation and Its Ability to Down-Regulate $\beta$ -Catenin Levels. <i>Biochemical and Biophysical Research Communications</i> , 2000, 272, 144-150.	1.0	49
52	Axin Contains Three Separable Domains That Confer Intramolecular, Homodimeric, and Heterodimeric Interactions Involved in Distinct Functions. <i>Journal of Biological Chemistry</i> , 2005, 280, 5054-5060.	1.6	46
53	Ephrin-B1 Reverse Signaling Activates JNK through a Novel Mechanism That Is Independent of Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 2003, 278, 24767-24775.	1.6	45
54	Distinct Roles of Basal Steady-State and Induced H-Ferritin in Tumor Necrosis Factor-Induced Death in L929 Cells. <i>Molecular and Cellular Biology</i> , 2005, 25, 6673-6681.	1.1	45

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55	RHOBTB3 promotes proteasomal degradation of HIF $\alpha$ through facilitating hydroxylation and suppresses the Warburg effect. <i>Cell Research</i> , 2015, 25, 1025-1042.	5.7	45
56	Casein Kinase I and Casein Kinase II Differentially Regulate Axin Function in Wnt and JNK Pathways. <i>Journal of Biological Chemistry</i> , 2002, 277, 17706-17712.	1.6	44
57	Tip60-mediated lipin 1 acetylation and ER translocation determine triacylglycerol synthesis rate. <i>Nature Communications</i> , 2018, 9, 1916.	5.8	44
58	Dimerization Choices Control the Ability of Axin and Dishevelled to Activate c-Jun N-terminal Kinase/Stress-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2000, 275, 25008-25014.	1.6	41
59	Alterations in Actin-Binding $\beta$ -Thymosin Expression Accompany Neuronal Differentiation and Migration in Rat Cerebellum. <i>Journal of Neurochemistry</i> , 1993, 61, 2104-2114.	2.1	40
60	The DIX Domain Protein Coiled-coil-DIX1 Inhibits c-Jun N-terminal Kinase Activation by Axin and Dishevelled through Distinct Mechanisms. <i>Journal of Biological Chemistry</i> , 2004, 279, 39366-39373.	1.6	39
61	Molecular Basis of Wnt Activation via the DIX Domain Protein Ccd1. <i>Journal of Biological Chemistry</i> , 2011, 286, 8597-8608.	1.6	39
62	Differential Molecular Assemblies Underlie the Dual Function of Axin in Modulating the Wnt and JNK Pathways. <i>Journal of Biological Chemistry</i> , 2001, 276, 32152-32159.	1.6	38
63	AIDA Selectively Mediates Downregulation of Fat Synthesis Enzymes by ERAD to Retard Intestinal Fat Absorption and Prevent Obesity. <i>Cell Metabolism</i> , 2018, 27, 843-853.e6.	7.2	38
64	A conserved motif in JNK/p38-specific MAPK phosphatases as a determinant for JNK1 recognition and inactivation. <i>Nature Communications</i> , 2016, 7, 10879.	5.8	37
65	The core domain of RGS16 retains G-protein binding and GAP activity in vitro, but is not functional in vivo. <i>FEBS Letters</i> , 1998, 422, 359-362.	1.3	35
66	Liver-specific deficiency of unc51 like kinase 1 and 2 protects mice from acetaminophen-induced liver injury. <i>Hepatology</i> , 2018, 67, 2397-2413.	3.6	33
67	Proto-oncogene Src links lipogenesis via lipin-1 to breast cancer malignancy. <i>Nature Communications</i> , 2020, 11, 5842.	5.8	33
68	Determinants That Control the Distinct Subcellular Localization of p38 $\alpha$ -PRAK and p38 $\beta$ -PRAK Complexes. <i>Journal of Biological Chemistry</i> , 2008, 283, 11014-11023.	1.6	32
69	Multiple phosphorylation sites in RGS16 differentially modulate its GAP activity. <i>FEBS Letters</i> , 2001, 504, 16-22.	1.3	31
70	Rock2 controls TGF $\beta$ signaling and inhibits mesoderm induction in zebrafish embryos. <i>Journal of Cell Science</i> , 2009, 122, 2197-2207.	1.2	30
71	Aldolase is a sensor for both low and high glucose, linking to AMPK and mTORC1. <i>Cell Research</i> , 2021, 31, 478-481.	5.7	29
72	Protein phosphorylation-acetylation cascade connects growth factor deprivation to autophagy. <i>Autophagy</i> , 2012, 8, 1385-1386.	4.3	24

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73	Axin negatively affects tau phosphorylation by glycogen synthase kinase 3 $\beta$ . <i>Journal of Neurochemistry</i> , 2002, 83, 904-913.	2.1	22
74	Differential requirement of MKK4 and MKK7 in JNK activation by distinct scaffold proteins. <i>FEBS Letters</i> , 2007, 581, 196-202.	1.3	21
75	Glutaminase GLS1 senses glutamine availability in a non-enzymatic manner triggering mitochondrial fusion. <i>Cell Research</i> , 2018, 28, 865-867.	5.7	21
76	PLK1 Interacts and Phosphorylates Axin That Is Essential for Proper Centrosome Formation. <i>PLoS ONE</i> , 2012, 7, e49184.	1.1	21
77	Revealing a steroid receptor ligand as a unique PPAR $\beta$ agonist. <i>Cell Research</i> , 2012, 22, 746-756.	5.7	19
78	AIDA directly connects sympathetic innervation to adaptive thermogenesis by UCP1. <i>Nature Cell Biology</i> , 2021, 23, 268-277.	4.6	17
79	Glucose Starvation Blocks Translation at Multiple Levels. <i>Cell Metabolism</i> , 2020, 31, 217-218.	7.2	15
80	Nuclear UHRF1 is a gate-keeper of cellular AMPK activity and function. <i>Cell Research</i> , 2022, 32, 54-71.	5.7	14
81	Pharmacological Targeting of Vacuolar H <sup>+</sup> -ATPase via Subunit V1G Combats Multidrug-Resistant Cancer. <i>Cell Chemical Biology</i> , 2020, 27, 1359-1370.e8.	2.5	13
82	Axin bridges Daxx to p53. <i>Cell Research</i> , 2007, 17, 301-302.	5.7	11
83	CDK5 activator p35 downregulates E-cadherin precursor independently of CDK5. <i>FEBS Letters</i> , 2008, 582, 1197-1202.	1.3	11
84	Protein Encoded by the Axin Allele Effectively Down-regulates Wnt Signaling but Exerts a Dominant Negative Effect on c-Jun N-terminal Kinase Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 13132-13139.	1.6	10
85	Mechanism and Physiological Significance of Growth Factor-Related Autophagy. <i>Physiology</i> , 2013, 28, 423-431.	1.6	10
86	Determining AMPK Activation via the Lysosomal v-ATPase-Ragulator-AXIN/LKB1 Axis. <i>Methods in Molecular Biology</i> , 2018, 1732, 393-411.	0.4	10
87	Midkine noncanonically suppresses AMPK activation through disrupting the LKB1-STRAD-Mo25 complex. <i>Cell Death and Disease</i> , 2022, 13, 414.	2.7	8
88	Identification of Novel SNPs by Next-Generation Sequencing of the Genomic Region Containing the <i>APC</i> Gene in Colorectal Cancer Patients in China. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 315-325.	1.0	7
89	Identification of serum metabolites enhancing inflammatory responses in COVID-19. <i>Science China Life Sciences</i> , 2022, 65, 1971-1984.	2.3	6
90	Structure and mechanism of the unique C2 domain of Aida. <i>FEBS Journal</i> , 2014, 281, 4622-4632.	2.2	4

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91	Methods to Study Lysosomal AMPK Activation. <i>Methods in Enzymology</i> , 2017, 587, 465-480.	0.4	3
92	Aldolase deployed for surveilling glucose. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 714-714.	16.1	2
93	Carbohydrates: Not All that Bad?. <i>Cell Metabolism</i> , 2018, 28, 671-672.	7.2	1
94	SRC promotes lipogenesis: implications for obesity and breast cancer. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1866975.	0.3	0