

Zhijun Luo

List of Publications by Year in descending order

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85
papers

8,489
citations

66343

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60623

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85
all docs

85
docs citations

85
times ranked

12580
citing authors

#	ARTICLE	IF	CITATIONS
1	AMPK Phosphorylates and Inhibits SREBP Activity to Attenuate Hepatic Steatosis and Atherosclerosis in Diet-Induced Insulin-Resistant Mice. <i>Cell Metabolism</i> , 2011, 13, 376-388.	16.2	1,356
2	A dimeric 14-3-3 protein is an essential cofactor for Raf kinase activity. <i>Nature</i> , 1998, 394, 88-92.	27.8	442
3	AMPK, the metabolic syndrome and cancer. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 69-76.	8.7	392
4	Antidiabetic drug metformin (Glucophage ^R) increases biogenesis of Alzheimer's amyloid peptides via up-regulating <i>BACE1</i> transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3907-3912.	7.1	347
5	AMPK as a metabolic tumor suppressor: control of metabolism and cell growth. <i>Future Oncology</i> , 2010, 6, 457-470.	2.4	338
6	Ras Activation of the Raf Kinase: Tyrosine Kinase Recruitment of the MAP Kinase Cascade. <i>Endocrine Reviews</i> , 2001, 56, 127-156.	6.7	323
7	Hepatic overexpression of SIRT1 in mice attenuates endoplasmic reticulum stress and insulin resistance in the liver. <i>FASEB Journal</i> , 2011, 25, 1664-1679.	0.5	261
8	AMP-activated protein kinase activators can inhibit the growth of prostate cancer cells by multiple mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 161-167.	2.1	247
9	AMPK activity is diminished in tissues of IL-6 knockout mice: the effect of exercise. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 449-454.	2.1	242
10	Oligomerization activates c-Raf-1 through a Ras-dependent mechanism. <i>Nature</i> , 1996, 383, 181-185.	27.8	241
11	Regulation of AChR Clustering by Dishevelled Interacting with MuSK and PAK1. <i>Neuron</i> , 2002, 35, 489-505.	8.1	221
12	Palmitate modulates intracellular signaling, induces endoplasmic reticulum stress, and causes apoptosis in mouse 3T3-L1 and rat primary preadipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E576-E586.	3.5	213
13	Interleukin-6 Regulation of AMP-Activated Protein Kinase: Potential Role in the Systemic Response to Exercise and Prevention of the Metabolic Syndrome. <i>Diabetes</i> , 2006, 55, S48-S54.	0.6	158
14	Actin-binding Protein-280 Binds the Stress-activated Protein Kinase (SAPK) Activator SEK-1 and Is Required for Tumor Necrosis Factor- α Activation of SAPK in Melanoma Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 2620-2628.	3.4	147
15	SIRT1 controls lipolysis in adipocytes via FOXO1-mediated expression of ATGL. <i>Journal of Lipid Research</i> , 2011, 52, 1693-1701.	4.2	144
16	Calyculin A-induced Vimentin Phosphorylation Sequesters 14-3-3 and Displaces Other 14-3-3 Partners in Vivo. <i>Journal of Biological Chemistry</i> , 2000, 275, 29772-29778.	3.4	134
17	An Intact Raf Zinc Finger Is Required for Optimal Binding to Processed Ras and for Ras-Dependent Raf Activation In Situ. <i>Molecular and Cellular Biology</i> , 1997, 17, 46-53.	2.3	125
18	Hyperglycemia and Insulin Resistance: Possible Mechanisms. <i>Annals of the New York Academy of Sciences</i> , 2002, 967, 43-51.	3.8	123

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19	AMPK exerts dual regulatory effects on the PI3K pathway. <i>Journal of Molecular Signaling</i> , 2010, 5, 1.	0.5	114
20	14-3-3 β binds to MDMX that is phosphorylated by UV-activated Chk1, resulting in p53 activation. <i>EMBO Journal</i> , 2006, 25, 1207-1218.	7.8	113
21	Inactivation of AMPK alters gene expression and promotes growth of prostate cancer cells. <i>Oncogene</i> , 2009, 28, 1993-2002.	5.9	111
22	Interaction between Active Pak1 and Raf-1 Is Necessary for Phosphorylation and Activation of Raf-1. <i>Journal of Biological Chemistry</i> , 2002, 277, 4395-4405.	3.4	105
23	Erbin Suppresses the MAP Kinase Pathway. <i>Journal of Biological Chemistry</i> , 2003, 278, 1108-1114.	3.4	102
24	<i>Helicobacter pylori</i> CagA promotes epithelial mesenchymal transition in gastric carcinogenesis via triggering oncogenic YAP pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 280.	8.6	102
25	Hyperglycemia inhibits insulin activation of Akt/protein kinase B but not phosphatidylinositol 3-kinase in rat skeletal muscle. <i>Diabetes</i> , 1999, 48, 658-663.	0.6	97
26	Induction of Acetylcholine Receptor Gene Expression by ARIA Requires Activation of Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 1996, 271, 19752-19759.	3.4	94
27	Raf-1/MEK/MAPK Pathway Is Necessary for the G2/M Transition Induced by Nocodazole. <i>Journal of Biological Chemistry</i> , 2000, 275, 31876-31882.	3.4	93
28	Identification of the 14.3.3 β Domains Important for Self-association and Raf Binding. <i>Journal of Biological Chemistry</i> , 1995, 270, 23681-23687.	3.4	91
29	P _{2U} purinoceptor subtypes recruit different Mek activators in astrocytes. <i>British Journal of Pharmacology</i> , 2000, 129, 927-936.	5.4	91
30	AMP-Activated Protein Kinase Induces p53 by Phosphorylating MDMX and Inhibiting Its Activity. <i>Molecular and Cellular Biology</i> , 2014, 34, 148-157.	2.3	86
31	Mixed-lineage kinase 3 regulates B-Raf through maintenance of the B-Raf/Raf-1 complex and inhibition by the NF2 tumor suppressor protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4463-4468.	7.1	84
32	Metformin and berberine, two versatile drugs in treatment of common metabolic diseases. <i>Oncotarget</i> , 2018, 9, 10135-10146.	1.8	84
33	AMPK Inhibits the Stimulatory Effects of TGF- β 2 on Smad2/3 Activity, Cell Migration, and Epithelial-to-Mesenchymal Transition. <i>Molecular Pharmacology</i> , 2015, 88, 1062-1071.	2.3	69
34	Dual Roles of the AMP-Activated Protein Kinase Pathway in Angiogenesis. <i>Cells</i> , 2019, 8, 752.	4.1	67
35	LITAF and TNFSF15, two downstream targets of AMPK, exert inhibitory effects on tumor growth. <i>Oncogene</i> , 2011, 30, 1892-1900.	5.9	61
36	Characterization of Ser338 Phosphorylation for Raf-1 Activation. <i>Journal of Biological Chemistry</i> , 2008, 283, 31429-31437.	3.4	58

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37	MEK1â€“ERKs signal cascade is required for the replication of Enterovirus 71 (EV71). <i>Antiviral Research</i> , 2012, 93, 110-117.	4.1	57
38	Metabolic and hormonal interactions between muscle and adipose tissue. <i>Proceedings of the Nutrition Society</i> , 2004, 63, 381-385.	1.0	56
39	Prevalence of comorbidity in Chinese patients with COVID-19: systematic review and meta-analysis of risk factors. <i>BMC Infectious Diseases</i> , 2021, 21, 200.	2.9	53
40	Reduced expression of PTEN and increased PTEN phosphorylation at residue Ser380 in gastric cancer tissues: A novel mechanism of PTEN inactivation. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2013, 37, 72-79.	1.5	51
41	14-3-3 Facilitates Insulin-Stimulated Intracellular Trafficking of Insulin Receptor Substrate 1. <i>Molecular Endocrinology</i> , 2002, 16, 552-562.	3.7	49
42	Phosphorylation and inactivation of PTEN at residues Ser380/Thr382/383 induced by <i>Helicobacter pylori</i> promotes gastric epithelial cell survival through PI3K/Akt pathway. <i>Oncotarget</i> , 2015, 6, 31916-31926.	1.8	46
43	Transcriptional suppression of AMPK \pm 1 promotes breast cancer metastasis upon oncogene activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8013-8021.	7.1	45
44	Regulation of RKIP binding to the N-region of the Raf-1 kinase. <i>FEBS Letters</i> , 2006, 580, 6405-6412.	2.8	43
45	Statin's Excitoprotection Is Mediated by sAPP and the Subsequent Attenuation of Calpain-Induced Truncation Events, Likely via Rho-ROCK Signaling. <i>Journal of Neuroscience</i> , 2009, 29, 11226-11236.	3.6	43
46	Metformin, an Old Drug, Brings a New Era to Cancer Therapy. <i>Cancer Journal (Sudbury, Mass)</i> , 2015, 21, 70-74.	2.0	43
47	Phosphorylation of the regulatory subunit of type II beta cAMP-dependent protein kinase by cyclin B/p34cdc2 kinase impairs its binding to microtubule-associated protein 2.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 5418-5422.	7.1	42
48	Contextual Regulation of TGF- β 2 Signaling in Liver Cancer. <i>Cells</i> , 2019, 8, 1235.	4.1	42
49	Microtubule Integrity Regulates Pak Leading to Ras-independent Activation of Raf-1. <i>Journal of Biological Chemistry</i> , 2001, 276, 25157-25165.	3.4	41
50	ATM and LKB1 dependent activation of AMPK sensitizes cancer cells to etoposide-induced apoptosis. <i>Cancer Letters</i> , 2013, 328, 114-119.	7.2	41
51	LKB1/AMPK inhibits TGF- β 1 production and the TGF- β 2 signaling pathway in breast cancer cells. <i>Tumor Biology</i> , 2016, 37, 8249-8258.	1.8	41
52	Inonotus obliquus polysaccharides induces apoptosis of lung cancer cells and alters energy metabolism via the LKB1/AMPK axis. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 1277-1286.	7.5	41
53	Simvastatin suppresses the DNA replication licensing factor MCM7 and inhibits the growth of tamoxifen-resistant breast cancer cells. <i>Scientific Reports</i> , 2017, 7, 41776.	3.3	38
54	Phosphorylation of 338SSYY341 Regulates Specific Interaction between Raf-1 and MEK1. <i>Journal of Biological Chemistry</i> , 2002, 277, 44996-45003.	3.4	33

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55	Identification of Raf-1 S471 as a Novel Phosphorylation Site Critical for Raf-1 and B-Raf Kinase Activities and for MEK Binding. <i>Molecular Biology of the Cell</i> , 2005, 16, 4733-4744.	2.1	33
56	Extracellular ATP stimulates an inhibitory pathway towards growth factor-induced cRaf-1 and MEKK activation in astrocyte cultures. <i>Journal of Neurochemistry</i> , 2001, 77, 1001-1009.	3.9	31
57	Inactivation of Ras function by allele-specific peptide aptamers. <i>Oncogene</i> , 2002, 21, 5753-5757.	5.9	30
58	Distinct effects of knocking down MEK1 and MEK2 on replication of herpes simplex virus type 2. <i>Virus Research</i> , 2010, 150, 22-27.	2.2	30
59	Simvastatin and Atorvastatin inhibit DNA replication licensing factor MCM7 and effectively suppress RB-deficient tumors growth. <i>Cell Death and Disease</i> , 2017, 8, e2673-e2673.	6.3	30
60	Photoreceptor Protection by Cardioprophin-1 in Transgenic Rats with the Rhodopsin Mutation S334ter. , 2003, 44, 4069.		29
61	<i>Helicobacter pylori</i> Infection Aggravates Diet-induced Insulin Resistance in Association With Gut Microbiota of Mice. <i>EBioMedicine</i> , 2016, 12, 247-254.	6.1	29
62	<scp>AMP</scp>â€activated protein kinase regulates cancer cell growth and metabolism via nuclear and mitochondria events. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3951-3961.	3.6	29
63	Metformin inhibits ALK1-mediated angiogenesis via activation of AMPK. <i>Oncotarget</i> , 2017, 8, 32794-32806.	1.8	28
64	Lysyl Oxidase, A Critical Intra- and Extra-Cellular Target in the Lung for Cigarette Smoke Pathogenesis. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 161-184.	2.6	27
65	Negative regulation of Bmi-1 by AMPK and implication in cancer progression. <i>Oncotarget</i> , 2016, 7, 6188-6200.	1.8	27
66	AMPK downregulates ALK2 via increasing the interaction between Smurf1 and Smad6, leading to inhibition of osteogenic differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 2369-2377.	4.1	25
67	MLK3 Phophorylates AMPK Independently of LKB1. <i>PLoS ONE</i> , 2015, 10, e0123927.	2.5	24
68	Phosphatidylethanolamine binding protein 4 (PEBP4) is a secreted protein and has multiple functions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1682-1689.	4.1	23
69	UPREGULATION OF 14-3-3 ISOFORMS IN ACUTE RAT MYOCARDIAL INJURIES INDUCED BY BURN AND LIPOPOLYSACCHARIDE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 374-380.	1.9	22
70	The dichotomous role of TGF-Î² in controlling liver cancer cell survival and proliferation. <i>Journal of Genetics and Genomics</i> , 2020, 47, 497-512.	3.9	21
71	The Mammalian Target of Rapamycin Complex 1 Regulates Leptin Biosynthesis in Adipocytes at the Level of Translation: The Role of the 5â€-Untranslated Region in the Expression of Leptin Messenger Ribonucleic Acid. <i>Molecular Endocrinology</i> , 2008, 22, 2260-2267.	3.7	20
72	Negative regulation of TGF-â€beta; by AMPK and implications in the treatment of associated disorders. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 523-531.	2.0	18

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73	Molecular cloning and characterization of the promoter region of the mouse regulatory subunit RII ² of type II cAMP-dependent protein kinase. <i>Biochemical and Biophysical Research Communications</i> , 1991, 178, 221-226.	2.1	17
74	Discovery of Raf Family Is a Milestone in Deciphering the Ras-Mediated Intracellular Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5158.	4.1	16
75	AMPK regulation of the growth of cultured human keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 519-524.	2.1	15
76	Nek2A phosphorylates and stabilizes SuFu: A new strategy of Gli2/Hedgehog signaling regulatory mechanism. <i>Cellular Signalling</i> , 2016, 28, 1304-1313.	3.6	15
77	14-3-3 Facilitates Insulin-Stimulated Intracellular Trafficking of Insulin Receptor Substrate 1. <i>Molecular Endocrinology</i> , 2002, 16, 552-562.	3.7	15
78	AMPK inhibits Smad3-mediated autoinduction of TGF α 1 in gastric cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 2806-2815.	3.6	13
79	Association of USF and c-Myc with a helix-loop-helix-consensus motif in the core promoter of the murine type II beta regulatory subunit gene of cyclic adenosine 3', 5'-monophosphate-dependent protein kinase.. <i>Molecular Endocrinology</i> , 1994, 8, 1163-1174.	3.7	12
80	MEK inhibition and phosphorylation of serine 4 on B23 are two coincident events in mitosis. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 675-680.	2.1	11
81	Chronic Intermittent Hypoxia Exposure Alternative to Exercise Alleviates High-Fat-Diet-Induced Obesity and Fatty Liver. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5209.	4.1	8
82	Metformin attenuates trauma-induced heterotopic ossification via inhibition of Bone Morphogenetic Protein signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14491-14501.	3.6	7
83	Preventive and (Neo)Adjuvant Therapeutic Effects of Metformin on Cancer. , 2020, , .		3
84	A Medical Pedagogy Reform by Integration of Biomedical Research into the Clinical Medicine Program. <i>Medical Science Educator</i> , 2020, 30, 1569-1576.	1.5	0
85	AMP-activated protein kinase β 1 or β 2 deletion enhances colon cancer cell growth and tumorigenesis. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, , .	2.0	0