Wan Lee

List of Publications by Year
in descending order

71 papers	2,095 citations	236612 25 h-index	243296 44 g-index
74 all docs	74 docs citations	74 times ranked	3015 citing authors

#	Article	IF	Citations
1	Exosome-derived microRNAs in cancer metabolism: possible implications in cancer diagnostics and therapy. Experimental and Molecular Medicine, 2017, 49, e285-e285.	3.2	169
2	The Induction of MicroRNA Targeting IRS-1 Is Involved in the Development of Insulin Resistance under Conditions of Mitochondrial Dysfunction in Hepatocytes. PLoS ONE, 2011, 6, e17343.	1.1	127
3	O-GlcNAc modification on IRS-1 and Akt2 by PUGNAc inhibits their phosphorylation and induces insulin resistance in rat primary adipocytes. Experimental and Molecular Medicine, 2005, 37, 220-229.	3.2	126
4	Induction of miRâ€29a by saturated fatty acids impairs insulin signaling and glucose uptake through translational repression of IRSâ€1 in myocytes. FEBS Letters, 2014, 588, 2170-2176.	1.3	97
5	C1q Tumor Necrosis Factor Î±-related Protein Isoform 5 Is Increased in Mitochondrial DNA-depleted Myocytes and Activates AMP-activated Protein Kinase. Journal of Biological Chemistry, 2009, 284, 27780-27789.	1.6	93
6	Cadmium induces impaired glucose tolerance in rat by down-regulating GLUT4 expression in adipocytes. Archives of Biochemistry and Biophysics, 2003, 413, 213-220.	1.4	90
7	MicroRNA-126 Suppresses Mesothelioma Malignancy by Targeting IRS1 and Interfering with the Mitochondrial Function. Antioxidants and Redox Signaling, 2014, 21, 2109-2125.	2.5	85
8	Obesityâ€induced miRâ€15b is linked causally to the development of insulin resistance through the repression of the insulin receptor in hepatocytes. Molecular Nutrition and Food Research, 2015, 59, 2303-2314.	1.5	77
9	Saturated fatty acidâ€induced miRâ€195 impairs insulin signaling and glycogen metabolism in HepG2 cells. FEBS Letters, 2014, 588, 3939-3946.	1.3	74
10	Induction of miR-96 by Dietary Saturated Fatty Acids Exacerbates Hepatic Insulin Resistance through the Suppression of INSR and IRS-1. PLoS ONE, 2016, 11, e0169039.	1.1	60
11	Depletion of Mitochondrial DNA Causes Impaired Glucose Utilization and Insulin Resistance in L6 GLUT4myc Myocytes. Journal of Biological Chemistry, 2005, 280, 9855-9864.	1.6	59
12	Calorie restriction improves whole-body glucose disposal and insulin resistance in association with the increased adipocyte-specific GLUT4 expression in Otsuka Longâ€"Evans Tokushima Fatty rats. Archives of Biochemistry and Biophysics, 2005, 436, 276-284.	1.4	56
13	Genetic risk for metabolic syndrome: examination of candidate gene polymorphisms related to lipid metabolism in Japanese people. Journal of Medical Genetics, 2007, 45, 22-28.	1.5	52
14	Depletion of mitochondrial DNA up-regulates the expression of MDR1 gene via an increase in mRNA stability. Experimental and Molecular Medicine, 2008, 40, 109.	3.2	52
15	C1qTNF-Related Protein-6 Increases the Expression of Interleukin-10 in Macrophages. Molecules and Cells, 2010, 30, 59-64.	1.0	50
16	Comparison of laparoscopic versus open radical nephrectomy for large renal tumors: a retrospective analysis of multiâ€center results. BJU International, 2011, 107, 817-821.	1.3	48
17	C1qTNFâ€related proteinâ€6 mediates fatty acid oxidation via the activation of the AMPâ€activated protein kinase. FEBS Letters, 2010, 584, 968-972.	1.3	43
18	Effects of Aerobic Exercise Training on C1q Tumor Necrosis Factor Î±-Related Protein Isoform 5 (Myonectin): Association with Insulin Resistance and Mitochondrial DNA Density in Women. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E88-E93.	1.8	41

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19	Implications of microRNAs in the pathogenesis of diabetes. Archives of Pharmacal Research, 2013, 36, 154-166.	2.7	37
20	The induction of miR-96 by mitochondrial dysfunction causes impaired glycogen synthesis through translational repression of IRS-1 in SK-Hep1 cells. Biochemical and Biophysical Research Communications, 2013, 434, 503-508.	1.0	35
21	Separation and Partial Characterization of Three Distinct Intracellular GLUT4 Compartments in Rat Adipocytes. Journal of Biological Chemistry, 1999, 274, 37755-37762.	1.6	33
22	EHD2 Interacts with the Insulin-Responsive Glucose Transporter (GLUT4) in Rat Adipocytes and May Participate in Insulin-Induced GLUT4 Recruitmentâ€. Biochemistry, 2004, 43, 7552-7562.	1.2	33
23	Modulation of GLUT4 and GLUT1 Recycling by Insulin in Rat Adipocytes:Â Kinetic Analysis Based on the Involvement of Multiple Intracellular Compartmentsâ€. Biochemistry, 2000, 39, 9358-9366.	1.2	28
24	Implication of phosphorylation of the myosin II regulatory light chain in insulin-stimulated GLUT4 translocation in 3T3-F442A adipocytes. Experimental and Molecular Medicine, 2006, 38, 180-189.	3.2	28
25	MiR-1271 upregulated by saturated fatty acid palmitate provokes impaired insulin signaling by repressing INSR and IRS-1 expression in HepG2 cells. Biochemical and Biophysical Research Communications, 2016, 478, 1786-1791.	1.0	28
26	Saturated fatty acids-induced miR-424â€“5p aggravates insulin resistance via targeting insulin receptor in hepatocytes. Biochemical and Biophysical Research Communications, 2018, 503, 1587-1593.	1.0	28
27	A Synthetic Peptide Corresponding to the GLUT4 C-terminal Cytoplasmic Domain Causes Insulin-like Glucose Transport Stimulation and GLUT4 Recruitment in Rat Adipocytes. Journal of Biological Chemistry, 1997, 272, 21427-21431.	1.6	26
28	Identification of the Target Proteins of Rosiglitazone in 3T3-L1 Adipocytes through Proteomic Analysis of Cytosolic and Secreted Proteins. Molecules and Cells, 2011, 31, 239-246.	1.0	26
29	Combination gene therapy using multidrug resistance (MDR1) gene shRNA and herpes simplex virus-thymidine kinase. Cancer Letters, 2008, 261, 205-214.	3.2	24
30	The depletion of cellular mitochondrial DNA causes insulin resistance through the alteration of insulin receptor substrate-1 in rat myocytes. Diabetes Research and Clinical Practice, 2007, 77, S165-S171.	1.1	22
31	CTRP5 ameliorates palmitate-induced apoptosis and insulin resistance through activation of AMPK and fatty acid oxidation. Biochemical and Biophysical Research Communications, 2014, 452, 715-721.	1.0	22
32	GLUT1 Transmembrane Glucose Pathway. Journal of Biological Chemistry, 1996, 271, 5225-5230.	1.6	19
33	CFL2 is an essential mediator for myogenic differentiation in C2C12 myoblasts. Biochemical and Biophysical Research Communications, 2020, 533, 710-716.	1.0	19
34	Involvement of Vesicular H+-ATPase in Insulin-Stimulated Glucose Transport in 3T3-F442A Adipocytes. Endocrine Journal, 2007, 54, 733-743.	0.7	18
35	Cloning of anl-3-Hydroxyacyl-CoA Dehydrogenase That Interacts with the GLUT4 C-Terminus. Archives of Biochemistry and Biophysics, 1999, 363, 323-332.	1.4	16
36	Protein kinase C-Î¶ phosphorylates insulin-responsive aminopeptidase in vitro at Ser-80 and Ser-91. Archives of Biochemistry and Biophysics, 2002, 403, 71-82.	1.4	16

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37	Dangnyohwan improves glucose utilization and reduces insulin resistance by increasing the adipocyte-specific GLUT4 expression in Otsuka Long-Evans Tokushima Fatty rats. Journal of Ethnopharmacology, 2008, 115, 473-482.	2.0	15
38	MiR-183-5p induced by saturated fatty acids regulates the myogenic differentiation by directly targeting FHL1 in C2C12 myoblasts. BMB Reports, 2020, 53, 605-610.	1.1	13
39	Proteomic analysis of cellular change involved in mitochondria-to-nucleus communication in L6â€…GLUT4myc myocytes. Proteomics, 2006, 6, 1210-1222.	1.3	12
40	MiR-96-5p Induced by Palmitic Acid Suppresses the Myogenic Differentiation of C2C12 Myoblasts by Targeting FHL1. International Journal of Molecular Sciences, 2020, 21, 9445.	1.8	12
41	Characterization and partial purification of liver glucose transporter GLUT2. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1466, 379-389.	1.4	11
42	MicroRNA expression analysis in the liver of high fat diet-induced obese mice. Data in Brief, 2016, 9, 1155-1159.	0.5	11
43	A Myosin-Derived Peptide C109 Binds to GLUT4-Vesicles and Inhibits the Insulin-Induced Glucose Transport Stimulation and GLUT4 Recruitment in Rat Adipocytes. Biochemical and Biophysical Research Communications, 1997, 240, 409-414.	1.0	10
44	Transient Changes in Four GLUT4 Compartments in Rat Adipocytes during the Transition, Insulin-Stimulated To Basal:Â Implications for the GLUT4 Trafficking Pathwayâ€. Biochemistry, 2002, 41, 14364-14371.	1.2	10
45	Association of Carboxyl Esterase with Facilitative Glucose Transporter Isoform 4 (GLUT4) Intracellular Compartments in Rat Adipocytes and Its Possible Role in Insulin-induced GLUT4 Recruitment. Journal of Biological Chemistry, 2000, 275, 10041-10046.	1.6	9
46	MiR-320-3p Regulates the Proliferation and Differentiation of Myogenic Progenitor Cells by Modulating Actin Remodeling. International Journal of Molecular Sciences, 2022, 23, 801.	1.8	9
47	Glucose transporters and insulin action: Some insights into diabetes management. Archives of Pharmacal Research, 1999, 22, 329-334.	2.7	8
48	The hepatocyte glucose-6-phosphatase subcomponent T3: its relationship to GLUT2. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 198-206.	1.4	8
49	Role of hepatocyte nuclear factorâ€4Î± in transcriptional regulation of C1qTNFâ€related protein 5 in the liver. FEBS Letters, 2010, 584, 3080-3084.	1.3	8
50	Depletion of Mitochondrial DNA Stabilizes C1qTNF-Related Protein 6 mRNA in Muscle Cells. Journal of Korean Medical Science, 2012, 27, 465.	1.1	8
51	Role of MiR-325-3p in the Regulation of CFL2 and Myogenic Differentiation of C2C12 Myoblasts. Cells, 2021, 10, 2725.	1.8	8
52	Twinfilin-1 is an essential regulator of myogenic differentiation through the modulation of YAP in C2C12 myoblasts. Biochemical and Biophysical Research Communications, 2022, 599, 17-23.	1.0	7
53	Kank1 Is Essential for Myogenic Differentiation by Regulating Actin Remodeling and Cell Proliferation in C2C12 Progenitor Cells. Cells, 2022, 11, 2030.	1.8	7
54	Palmitic Acid-Induced miR-429-3p Impairs Myoblast Differentiation by Downregulating CFL2. International Journal of Molecular Sciences, 2021, 22, 10972.	1.8	6

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55	Regulation of the transcriptional activation of CTRP3 in chondrocytes by c-Jun. Molecular and Cellular Biochemistry, 2012, 368, 111-117.	1.4	5
56	Data on the expression of PEPCK in HepG2 hepatocytes transfected with miR-195. Data in Brief, 2017, 15, 747-751.	0.5	5
57	Alteration of mitochondrial DNA content modulates antioxidant enzyme expressions and oxidative stress in myoblasts. Korean Journal of Physiology and Pharmacology, 2019, 23, 519.	0.6	5
58	MiR-141-3p regulates myogenic differentiation in C2C12 myoblasts via CFL2-YAP-mediated mechanotransduction. BMB Reports, 2022, 55, 104-109.	1.1	5
59	C1q tumor necrosis factor Î±-related protein isoform 5 attenuates palmitate-induced DNA fragmentation in myocytes through an AMPK-dependent mechanism. Data in Brief, 2015, 5, 770-774.	0.5	4
60	Data on the decreased expression of FOXO1 by miR-1271 in HepG2 hepatocytes. Data in Brief, 2017, 15, 800-804.	0.5	4
61	Data on the expression and insulin-stimulated phosphorylation of IRS-1 by miR-96 in L6-GLUT4myc myocytes. Data in Brief, 2017, 15, 728-732.	0.5	4
62	Ets-2 is involved in transcriptional regulation of C1qTNF-related protein 5 in muscle cells. Molecular Biology Reports, 2012, 39, 9445-9451.	1.0	3
63	Data for differentially expressed microRNAs in saturated fatty acid palmitate-treated HepG2 cells. Data in Brief, 2016, 9, 996-999.	0.5	3
64	MiR-183-5p Induced by Saturated Fatty Acids Hinders Insulin Signaling by Downregulating IRS-1 in Hepatocytes. International Journal of Molecular Sciences, 2022, 23, 2979.	1.8	3
65	Mitochondrial dysfunction reduces the activity of KIR2.1 K⁺channel in myoblasts<i>via</i>impaired oxidative phosphorylation. Korean Journal of Physiology and Pharmacology, 2018, 22, 697.	0.6	2
66	Corrigendum to â€œC1qTNF-related protein-6 mediates fatty acid oxidation via the activation of the AMP-activated protein kinaseâ€•[FEBS Lett. 584 (2010) 968-972]. FEBS Letters, 2010, 584, 2491-2491.	1.3	1
67	Sfrp2 is a transcriptional target of SREBP-1 in mouse chondrogenic cells. Molecular and Cellular Biochemistry, 2015, 406, 163-171.	1.4	1
68	N-Acetylated Î±-linked acidic dipeptidase expressed in rat adipocytes is localized in the insulin-responsive glucose transporter (GLUT4) intracellular compartments and involved in the insulin-stimulated GLUT4 recruitment. Archives of Biochemistry and Biophysics, 2004, 424, 11-22.	1.4	0
69	Dataset on the identification of differentially expressed genes by annealing control primer-based PCR in mitochondrial DNA-depleted myocytes. Data in Brief, 2017, 11, 266-272.	0.5	0
70	Data on the effect of miR-15b on the expression of INSR in murine C2C12 myocytes. Data in Brief, 2017, 15, 882-886.	0.5	0
71	MiR-141-3p regulates myogenic differentiation in C2C12 myoblasts via CFL2-YAP-mediated mechanotransduction.. BMB Reports, 2022, , .	1.1	0