

Aimin Xu

List of Publications by Year in descending order

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415
papers

29,497
citations

3531

90
h-index

7745

150
g-index

418
all docs

418
docs citations

418
times ranked

33833
citing authors

#	ARTICLE	IF	CITATIONS
1	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. <i>Journal of Clinical Investigation</i> , 2003, 112, 91-100.	8.2	975
2	Serum FGF21 Levels Are Increased in Obesity and Are Independently Associated With the Metabolic Syndrome in Humans. <i>Diabetes</i> , 2008, 57, 1246-1253.	0.6	769
3	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. <i>Journal of Clinical Investigation</i> , 2003, 112, 91-100.	8.2	560
4	Adiponectin Mediates the Metabolic Effects of FGF21 on Glucose Homeostasis and Insulin Sensitivity in Mice. <i>Cell Metabolism</i> , 2013, 17, 779-789.	16.2	550
5	<i>Akkermansia muciniphila</i> Protects Against Atherosclerosis by Preventing Metabolic Endotoxemia-Induced Inflammation in <i>ApoE</i> ^{-/-} Mice. <i>Circulation</i> , 2016, 133, 2434-2446.	1.6	529
6	Adipocyte Fatty Acid-Binding Protein Is a Plasma Biomarker Closely Associated with Obesity and Metabolic Syndrome. <i>Clinical Chemistry</i> , 2006, 52, 405-413.	3.2	517
7	Lipocalin-2 Is an Inflammatory Marker Closely Associated with Obesity, Insulin Resistance, and Hyperglycemia in Humans. <i>Clinical Chemistry</i> , 2007, 53, 34-41.	3.2	474
8	Testosterone Selectively Reduces the High Molecular Weight Form of Adiponectin by Inhibiting Its Secretion from Adipocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 18073-18080.	3.4	357
9	Post-translational modifications of adiponectin: mechanisms and functional implications. <i>Biochemical Journal</i> , 2008, 409, 623-633.	3.7	346
10	Adiponectin Inhibits Cell Proliferation by Interacting with Several Growth Factors in an Oligomerization-dependent Manner. <i>Journal of Biological Chemistry</i> , 2005, 280, 18341-18347.	3.4	342
11	Fibroblast growth factor 21 levels are increased in nonalcoholic fatty liver disease patients and are correlated with hepatic triglyceride. <i>Journal of Hepatology</i> , 2010, 53, 934-940.	3.7	334
12	Thirty Years of Saying NO. <i>Circulation Research</i> , 2016, 119, 375-396.	4.5	320
13	Circulating Adipocyte-Fatty Acid Binding Protein Levels Predict the Development of the Metabolic Syndrome. <i>Circulation</i> , 2007, 115, 1537-1543.	1.6	317
14	Hydroxylation and Glycosylation of the Four Conserved Lysine Residues in the Collagenous Domain of Adiponectin. <i>Journal of Biological Chemistry</i> , 2002, 277, 19521-19529.	3.4	298
15	Angiopoietin-like protein 4 decreases blood glucose and improves glucose tolerance but induces hyperlipidemia and hepatic steatosis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6086-6091.	7.1	290
16	Adiponectin-Induced Endothelial Nitric Oxide Synthase Activation and Nitric Oxide Production Are Mediated by APPL1 in Endothelial Cells. <i>Diabetes</i> , 2007, 56, 1387-1394.	0.6	290
17	Adiponectin attenuates allergen-induced airway inflammation and hyperresponsiveness in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 118, 389-395.	2.9	283
18	Adipocyte-secreted exosomal microRNA-34a inhibits M2 macrophage polarization to promote obesity-induced adipose inflammation. <i>Journal of Clinical Investigation</i> , 2019, 129, 834-849.	8.2	282

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19	The therapeutic potential of FGF21 in metabolic diseases: from bench to clinic. <i>Nature Reviews Endocrinology</i> , 2020, 16, 654-667.	9.6	280
20	Adiponectin Enhances Cold-Induced Browning of Subcutaneous Adipose Tissue via Promoting M2 Macrophage Proliferation. <i>Cell Metabolism</i> , 2015, 22, 279-290.	16.2	266
21	Adiponectin Modulates the Glycogen Synthase Kinase-3 β / β -Catenin Signaling Pathway and Attenuates Mammary Tumorigenesis of MDA-MB-231 Cells in Nude Mice. <i>Cancer Research</i> , 2006, 66, 11462-11470.	0.9	262
22	Lipocalin-2 Deficiency Attenuates Insulin Resistance Associated With Aging and Obesity. <i>Diabetes</i> , 2010, 59, 872-882.	0.6	252
23	Serum Adipocyte Fatty Acid-Binding Protein as a New Biomarker Predicting the Development of Type 2 Diabetes. <i>Diabetes Care</i> , 2007, 30, 2667-2672.	8.6	251
24	Fibroblast Growth Factor 21 as an emerging metabolic regulator: clinical perspectives. <i>Clinical Endocrinology</i> , 2013, 78, 489-496.	2.4	249
25	Vascular effects of adiponectin: molecular mechanisms and potential therapeutic intervention. <i>Clinical Science</i> , 2008, 114, 361-374.	4.3	245
26	Hypoadiponectinemia as a Predictor for the Development of Hypertension. <i>Hypertension</i> , 2007, 49, 1455-1461.	2.7	238
27	Physical exercise-induced hippocampal neurogenesis and antidepressant effects are mediated by the adipocyte hormone adiponectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15810-15815.	7.1	238
28	Gut Microbiome Fermentation Determines the Efficacy of Exercise for Diabetes Prevention. <i>Cell Metabolism</i> , 2020, 31, 77-91.e5.	16.2	223
29	Post-translational Modifications of the Four Conserved Lysine Residues within the Collagenous Domain of Adiponectin Are Required for the Formation of Its High Molecular Weight Oligomeric Complex. <i>Journal of Biological Chemistry</i> , 2006, 281, 16391-16400.	3.4	222
30	The Roles of Leptin and Adiponectin. <i>American Journal of Pathology</i> , 2005, 166, 1655-1669.	3.8	221
31	Adiponectin and cardiovascular health: an update. <i>British Journal of Pharmacology</i> , 2012, 165, 574-590.	5.4	219
32	FGF21 Maintains Glucose Homeostasis by Mediating the Cross Talk Between Liver and Brain During Prolonged Fasting. <i>Diabetes</i> , 2014, 63, 4064-4075.	0.6	217
33	Fibroblast Growth Factor 21 Prevents Atherosclerosis by Suppression of Hepatic Sterol Regulatory Element-Binding Protein-2 and Induction of Adiponectin in Mice. <i>Circulation</i> , 2015, 131, 1861-1871.	1.6	217
34	Hypoxia dysregulates the production of adiponectin and plasminogen activator inhibitor-1 independent of reactive oxygen species in adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 549-556.	2.1	203
35	A disulfide-bond A oxidoreductase-like protein (DsbA-L) regulates adiponectin multimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18302-18307.	7.1	188
36	Activation of Natural Killer T Cells Promotes M2 Macrophage Polarization in Adipose Tissue and Improves Systemic Glucose Tolerance via Interleukin-4 (IL-4)/STAT6 Protein Signaling Axis in Obesity. <i>Journal of Biological Chemistry</i> , 2012, 287, 13561-13571.	3.4	182

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37	Adiponectin Stimulates Autophagy and Reduces Oxidative Stress to Enhance Insulin Sensitivity During High-Fat Diet Feeding in Mice. <i>Diabetes</i> , 2015, 64, 36-48.	0.6	180
38	iPSC-MSCs with High Intrinsic MIRO1 and Sensitivity to TNF- α Yield Efficacious Mitochondrial Transfer to Rescue Anthracycline-Induced Cardiomyopathy. <i>Stem Cell Reports</i> , 2016, 7, 749-763.	4.8	177
39	Toll-like receptor-4 mediates obesity-induced non-alcoholic steatohepatitis through activation of X-box binding protein-1 in mice. <i>Gut</i> , 2012, 61, 1058-1067.	12.1	169
40	Obesity-induced DNA hypermethylation of the adiponectin gene mediates insulin resistance. <i>Nature Communications</i> , 2015, 6, 7585.	12.8	168
41	Dipeptidyl Peptidase 4 Inhibitor Sitagliptin Protects Endothelial Function in Hypertension Through a Glucagon-Like Peptide 1-Dependent Mechanism. <i>Hypertension</i> , 2012, 60, 833-841.	2.7	164
42	Serum Fibroblast Growth Factor-21 Levels Are Associated With Carotid Atherosclerosis Independent of Established Cardiovascular Risk Factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2454-2459.	2.4	159
43	High Plasma Level of Fibroblast Growth Factor 21 Is an Independent Predictor of Type 2 Diabetes. <i>Diabetes Care</i> , 2011, 34, 2113-2115.	8.6	156
44	Increased Neutrophil Elastase and Proteinase 3 and Augmented NETosis Are Closely Associated With β -Cell Autoimmunity in Patients With Type 1 Diabetes. <i>Diabetes</i> , 2014, 63, 4239-4248.	0.6	154
45	Fibroblast growth factor 21 protects against acetaminophen-induced hepatotoxicity by potentiating peroxisome proliferator-activated receptor coactivator protein-1-mediated antioxidant capacity in mice. <i>Hepatology</i> , 2014, 60, 977-989.	7.3	153
46	Sodium Butyrate Stimulates Expression of Fibroblast Growth Factor 21 in Liver by Inhibition of Histone Deacetylase 3. <i>Diabetes</i> , 2012, 61, 797-806.	0.6	152
47	Heterogeneity of white adipose tissue: molecular basis and clinical implications. <i>Experimental and Molecular Medicine</i> , 2016, 48, e215-e215.	7.7	150
48	Circadian Rhythm of Circulating Fibroblast Growth Factor 21 Is Related to Diurnal Changes in Fatty Acids in Humans. <i>Clinical Chemistry</i> , 2011, 57, 691-700.	3.2	147
49	Adipocyte fatty acid binding protein levels relate to inflammation and fibrosis in nonalcoholic fatty liver disease. <i>Hepatology</i> , 2009, 49, 1926-1934.	7.3	144
50	Adiponectin is expressed by skeletal muscle fibers and influences muscle phenotype and function. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C203-C212.	4.6	143
51	Berberine prevents hyperglycemia-induced endothelial injury and enhances vasodilatation via adenosine monophosphate-activated protein kinase and endothelial nitric oxide synthase. <i>Cardiovascular Research</i> , 2009, 82, 484-492.	3.8	140
52	Skeletal muscle and plasma lipidomic signatures of insulin resistance and overweight/obesity in humans. <i>Obesity</i> , 2016, 24, 908-916.	3.0	138
53	Adipocyte Fatty Acid-binding Protein Modulates Inflammatory Responses in Macrophages through a Positive Feedback Loop Involving c-Jun NH2-terminal Kinases and Activator Protein-1. <i>Journal of Biological Chemistry</i> , 2010, 285, 10273-10280.	3.4	136
54	Fibroblast Growth Factor 21 Induces Glucose Transporter-1 Expression through Activation of the Serum Response Factor/Ets-Like Protein-1 in Adipocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 34533-34541.	3.4	135

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55	Fibroblast growth factor 21 improves hepatic insulin sensitivity by inhibiting mammalian target of rapamycin complex 1 in mice. <i>Hepatology</i> , 2016, 64, 425-438.	7.3	134
56	Lipocalin-2 mediates non-alcoholic steatohepatitis by promoting neutrophil-macrophage crosstalk via the induction of CXCR2. <i>Journal of Hepatology</i> , 2016, 65, 988-997.	3.7	134
57	Adiponectin Deficiency Protects Mice From Chemically Induced Colonic Inflammation. <i>Gastroenterology</i> , 2007, 132, 601-614.	1.3	125
58	Suppression of Liver Tumor Growth and Metastasis by Adiponectin in Nude Mice through Inhibition of Tumor Angiogenesis and Downregulation of Rho Kinase/IFN-Inducible Protein 10/Matrix Metalloproteinase 9 Signaling. <i>Clinical Cancer Research</i> , 2010, 16, 967-977.	7.0	125
59	Chronic Hepatitis C Is Associated With Peripheral Rather Than Hepatic Insulin Resistance. <i>Gastroenterology</i> , 2010, 138, 932-941.e3.	1.3	124
60	Growth Hormone Induces Hepatic Production of Fibroblast Growth Factor 21 through a Mechanism Dependent on Lipolysis in Adipocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 34559-34566.	3.4	124
61	Uncoupling Protein-2 Protects Endothelial Function in Diet-Induced Obese Mice. <i>Circulation Research</i> , 2012, 110, 1211-1216.	4.5	124
62	Chronic adiponectin deficiency leads to Alzheimer's disease-like cognitive impairments and pathologies through AMPK inactivation and cerebral insulin resistance in aged mice. <i>Molecular Neurodegeneration</i> , 2016, 11, 71.	10.8	122
63	Bone Morphogenic Protein-4 Impairs Endothelial Function Through Oxidative Stress-Dependent Cyclooxygenase-2 Upregulation. <i>Circulation Research</i> , 2010, 107, 984-991.	4.5	121
64	Major Urinary Protein-1 Increases Energy Expenditure and Improves Glucose Intolerance through Enhancing Mitochondrial Function in Skeletal Muscle of Diabetic Mice. <i>Journal of Biological Chemistry</i> , 2009, 284, 14050-14057.	3.4	120
65	Fibroblast growth factor 21 increases insulin sensitivity through specific expansion of subcutaneous fat. <i>Nature Communications</i> , 2018, 9, 272.	12.8	119
66	APPL1 Potentiates Insulin-Mediated Inhibition of Hepatic Glucose Production and Alleviates Diabetes via Akt Activation in Mice. <i>Cell Metabolism</i> , 2009, 9, 417-427.	16.2	118
67	C-Reactive Protein Is Associated With Obstructive Sleep Apnea Independent of Visceral Obesity. <i>Chest</i> , 2009, 135, 950-956.	0.8	117
68	Interplay between adipose tissue and blood vessels in obesity and vascular dysfunction. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013, 14, 49-58.	5.7	117
69	Exercise Alleviates Obesity-Induced Metabolic Dysfunction via Enhancing FGF21 Sensitivity in Adipose Tissues. <i>Cell Reports</i> , 2019, 26, 2738-2752.e4.	6.4	115
70	Piezo Ion Channels in Cardiovascular Mechanobiology. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 956-970.	8.7	114
71	Mesenchymal stem cell-derived extracellular vesicles for immunomodulation and regeneration: a next generation therapeutic tool?. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	114
72	The FGF21-CCL11 Axis Mediates Beiging of White Adipose Tissues by Coupling Sympathetic Nervous System to Type 2 Immunity. <i>Cell Metabolism</i> , 2017, 26, 493-508.e4.	16.2	113

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73	Lipocalin-2 Induces Cardiomyocyte Apoptosis by Increasing Intracellular Iron Accumulation. <i>Journal of Biological Chemistry</i> , 2012, 287, 4808-4817.	3.4	110
74	Phosphorylation of Nuclear Phospholipase C $\hat{2}1$ by Extracellular Signal-Regulated Kinase Mediates the Mitogenic Action of Insulin-Like Growth Factor I. <i>Molecular and Cellular Biology</i> , 2001, 21, 2981-2990.	2.3	107
75	Adiponectin Ameliorates Dyslipidemia Induced by the Human Immunodeficiency Virus Protease Inhibitor Ritonavir in Mice. <i>Endocrinology</i> , 2004, 145, 487-494.	2.8	107
76	Adiponectin Prevents Diabetic Premature Senescence of Endothelial Progenitor Cells and Promotes Endothelial Repair by Suppressing the p38 MAP Kinase/p16INK4A Signaling Pathway. <i>Diabetes</i> , 2010, 59, 2949-2959.	0.6	106
77	Adiponectin Is Required for PPAR $\hat{3}$ -Mediated Improvement of Endothelial Function in Diabetic Mice. <i>Cell Metabolism</i> , 2011, 14, 104-115.	16.2	106
78	Identification and characterization of proteins interacting with SIRT1 and SIRT3: implications in the anti-aging and metabolic effects of sirtuins. <i>Proteomics</i> , 2009, 9, 2444-2456.	2.2	105
79	FGF21 Prevents Angiotensin II-Induced Hypertension and Vascular Dysfunction by Activation of ACE2/Angiotensin-(1 $\hat{7}$) Axis in Mice. <i>Cell Metabolism</i> , 2018, 27, 1323-1337.e5.	16.2	104
80	A Highly Conserved Motif within the NH2-terminal Coiled-coil Domain of Angiopoietin-like Protein 4 Confers Its Inhibitory Effects on Lipoprotein Lipase by Disrupting the Enzyme Dimerization. <i>Journal of Biological Chemistry</i> , 2009, 284, 11942-11952.	3.4	103
81	High serum level of fibroblast growth factor 21 is an independent predictor of non-alcoholic fatty liver disease: A 3-year prospective study in China. <i>Journal of Hepatology</i> , 2013, 58, 557-563.	3.7	103
82	Adiponectin protects against acetaminophen-induced mitochondrial dysfunction and acute liver injury by promoting autophagy in mice. <i>Journal of Hepatology</i> , 2014, 61, 825-831.	3.7	103
83	Suppression of the Raf/MEK/ERK Signaling Cascade and Inhibition of Angiogenesis by the Carboxyl Terminus of Angiopoietin-Like Protein 4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 835-840.	2.4	102
84	Leptin Mediates the Pathogenesis of Severe 2009 Pandemic Influenza A(H1N1) Infection Associated With Cytokine Dysregulation in Mice With Diet-Induced Obesity. <i>Journal of Infectious Diseases</i> , 2013, 207, 1270-1280.	4.0	102
85	Predictable modulation of cancer treatment outcomes by the gut microbiota. <i>Microbiome</i> , 2020, 8, 28.	11.1	102
86	Serum Fibroblast Growth Factor 21 Is Associated with Adverse Lipid Profiles and $\hat{3}$ -Glutamyltransferase But Not Insulin Sensitivity in Chinese Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2151-2156.	3.6	101
87	Adiponectin and adipocyte fatty acid binding protein in the pathogenesis of cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1231-H1240.	3.2	101
88	Selective Inactivation of c-Jun NH2-Terminal Kinase in Adipose Tissue Protects Against Diet-Induced Obesity and Improves Insulin Sensitivity in Both Liver and Skeletal Muscle in Mice. <i>Diabetes</i> , 2011, 60, 486-495.	0.6	100
89	MicroRNAs and Type 2 Diabetes/Obesity. <i>Journal of Genetics and Genomics</i> , 2012, 39, 11-18.	3.9	99
90	Adipose Tissue-specific Inhibition of Hypoxia-inducible Factor $1\hat{2}$ Induces Obesity and Glucose Intolerance by Impeding Energy Expenditure in Mice*. <i>Journal of Biological Chemistry</i> , 2010, 285, 32869-32877.	3.4	98

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91	Toll-Like Receptor 4 Mutation Protects Obese Mice Against Endothelial Dysfunction by Decreasing NADPH Oxidase Isoforms 1 and 4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 777-784.	2.4	96
92	Lycium barbarum polysaccharides therapeutically improve hepatic functions in non-alcoholic steatohepatitis rats and cellular steatosis model. <i>Scientific Reports</i> , 2014, 4, 5587.	3.3	96
93	CXCL10/CXCR3 signaling mobilized-regulatory T cells promote liver tumor recurrence after transplantation. <i>Journal of Hepatology</i> , 2016, 65, 944-952.	3.7	95
94	Globular and full-length forms of adiponectin mediate specific changes in glucose and fatty acid uptake and metabolism in cardiomyocytes. <i>Cardiovascular Research</i> , 2007, 75, 148-157.	3.8	94
95	Distinct Changes in Serum Fibroblast Growth Factor 21 Levels in Different Subtypes of Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E54-E58.	3.6	94
96	A Gold(III) Porphyrin Complex with Antitumor Properties Targets the Wnt/ β -catenin Pathway. <i>Cancer Research</i> , 2010, 70, 329-337.	0.9	92
97	N-Acetylcysteine and allopurinol up-regulated the Jak/STAT3 and PI3K/Akt pathways via adiponectin and attenuated myocardial postischemic injury in diabetes. <i>Free Radical Biology and Medicine</i> , 2013, 63, 291-303.	2.9	92
98	Adropin Is a Brain Membrane-bound Protein Regulating Physical Activity via the NB-3/Notch Signaling Pathway in Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 25976-25986.	3.4	92
99	The effective fraction isolated from Radix Astragali alleviates glucose intolerance, insulin resistance and hypertriglyceridemia in db/db diabetic mice through its anti-inflammatory activity. <i>Nutrition and Metabolism</i> , 2010, 7, 67.	3.0	91
100	An APPL1-AMPK signaling axis mediates beneficial metabolic effects of adiponectin in the heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E721-E729.	3.5	91
101	Signaling mechanisms underlying the insulin-sensitizing effects of adiponectin. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014, 28, 3-13.	4.7	91
102	Expression of translationally controlled tumour protein is regulated by calcium at both the transcriptional and post-transcriptional level. <i>Biochemical Journal</i> , 1999, 342, 683-689.	3.7	89
103	Cyclin-Dependent Kinase 5 Mediated Hyperphosphorylation of Sirtuin-1 Contributes to the Development of Endothelial Senescence and Atherosclerosis. <i>Circulation</i> , 2012, 126, 729-740.	1.6	89
104	High Glucose Represses β -Klotho Expression and Impairs Fibroblast Growth Factor 21 Action in Mouse Pancreatic Islets. <i>Diabetes</i> , 2013, 62, 3751-3759.	0.6	88
105	CDK1-PDK1-PI3K/Akt signaling pathway regulates embryonic and induced pluripotency. <i>Cell Death and Differentiation</i> , 2017, 24, 38-48.	11.2	88
106	Selective Elevation of Adiponectin Production by the Natural Compounds Derived from a Medicinal Herb Alleviates Insulin Resistance and Glucose Intolerance in Obese Mice. <i>Endocrinology</i> , 2009, 150, 625-633.	2.8	86
107	Exome-wide association analysis reveals novel coding sequence variants associated with lipid traits in Chinese. <i>Nature Communications</i> , 2015, 6, 10206.	12.8	86
108	Potent Paracrine Effects of human induced Pluripotent Stem Cell-derived Mesenchymal Stem Cells Attenuate Doxorubicin-induced Cardiomyopathy. <i>Scientific Reports</i> , 2015, 5, 11235.	3.3	86

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109	Adiponectin: Protection of the endothelium. <i>Current Diabetes Reports</i> , 2005, 5, 254-259.	4.2	85
110	Obesity Susceptibility Genetic Variants Identified from Recent Genome-Wide Association Studies: Implications in a Chinese Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 1395-1403.	3.6	85
111	Neutrophils in type 1 diabetes. <i>Journal of Diabetes Investigation</i> , 2016, 7, 652-663.	2.4	83
112	Elevated Circulating Adipocyte Fatty Acid Binding Protein Levels Predict Incident Cardiovascular Events in a Community-Based Cohort: A 12-Year Prospective Study. <i>Journal of the American Heart Association</i> , 2013, 2, e004176.	3.7	81
113	Chronic administration of BMS309403 improves endothelial function in apolipoprotein E-deficient mice and in cultured human endothelial cells. <i>British Journal of Pharmacology</i> , 2011, 162, 1564-1576.	5.4	80
114	Adiponectin Corrects High-Fat Diet-Induced Disturbances in Muscle Metabolomic Profile and Whole-Body Glucose Homeostasis. <i>Diabetes</i> , 2013, 62, 743-752.	0.6	79
115	BiP (GRP78) and Endoplasmic Reticulum (GRP94) Are Induced following Rotavirus Infection and Bind Transiently to an Endoplasmic Reticulum-Localized Virion Component. <i>Journal of Virology</i> , 1998, 72, 9865-9872.	3.4	79
116	The relationship of fibroblast growth factor 21 with cardiovascular outcome events in the Fenofibrate Intervention and Event Lowering in Diabetes study. <i>Diabetologia</i> , 2015, 58, 464-473.	6.3	78
117	Adipocyte SIRT1 controls systemic insulin sensitivity by modulating macrophages in adipose tissue. <i>EMBO Reports</i> , 2017, 18, 645-657.	4.5	78
118	Functional significance of skeletal muscle adiponectin production, changes in animal models of obesity and diabetes, and regulation by rosiglitazone treatment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E657-E664.	3.5	77
119	A-FABP mediates adaptive thermogenesis by promoting intracellular activation of thyroid hormones in brown adipocytes. <i>Nature Communications</i> , 2017, 8, 14147.	12.8	77
120	Uncoupling Protein-2 Mediates DPP-4 Inhibitor-Induced Restoration of Endothelial Function in Hypertension Through Reducing Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1571-1581.	5.4	76
121	Sodium Intake Regulates Glucose Homeostasis through the PPAR γ /Adiponectin-Mediated SGLT2 Pathway. <i>Cell Metabolism</i> , 2016, 23, 699-711.	16.2	76
122	Mitochondrial dysfunction contributes to the increased vulnerabilities of adiponectin knockout mice to liver injury. <i>Hepatology</i> , 2008, 48, 1087-1096.	7.3	75
123	Adiponectin Haploinsufficiency Promotes Mammary Tumor Development in MMTV-PyVT Mice by Modulation of Phosphatase and Tensin Homolog Activities. <i>PLoS ONE</i> , 2009, 4, e4968.	2.5	75
124	Association of genetic variants in the adiponectin gene with adiponectin level and hypertension in Hong Kong Chinese. <i>European Journal of Endocrinology</i> , 2010, 163, 251-257.	3.7	75
125	Hyperglycemia Abrogates Ischemic Postconditioning Cardioprotection by Impairing AdipoR1/Caveolin-3/STAT3 Signaling in Diabetic Rats. <i>Diabetes</i> , 2016, 65, 942-955.	0.6	75
126	Serum Zinc- α 2-Glycoprotein Correlates with Adiposity, Triglycerides, and the Key Components of the Metabolic Syndrome in Chinese Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2531-2536.	3.6	74

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127	PICK1 and ICA69 Control Insulin Granule Trafficking and Their Deficiencies Lead to Impaired Glucose Tolerance. <i>PLoS Biology</i> , 2013, 11, e1001541.	5.6	74
128	Novel immunomodulatory effects of adiponectin on dendritic cell functions. <i>International Immunopharmacology</i> , 2011, 11, 604-609.	3.8	73
129	Adiponectin promotes pancreatic cancer progression by inhibiting apoptosis via the activation of AMPK/Sirt1/PGC-1 α signaling. <i>Oncotarget</i> , 2014, 5, 4732-4745.	1.8	73
130	Circulating Levels of Adipocyte and Epidermal Fatty Acid-Binding Proteins in Relation to Nephropathy Staging and Macrovascular Complications in Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2009, 32, 132-134.	8.6	72
131	Protective roles of adiponectin in obesity-related fatty liver diseases: mechanisms and therapeutic implications. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2009, 53, 201-212.	1.3	72
132	Long-Term Fenofibrate Therapy Increases Fibroblast Growth Factor 21 and Retinol-Binding Protein 4 in Subjects with Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 4701-4708.	3.6	72
133	Endothelium-Selective Activation of AMP-Activated Protein Kinase Prevents Diabetes Mellitus-Induced Impairment in Vascular Function and Reendothelialization via Induction of Heme Oxygenase-1 in Mice. <i>Circulation</i> , 2012, 126, 1267-1277.	1.6	72
134	The role of adipose tissue senescence in obesity- and ageing-related metabolic disorders. <i>Clinical Science</i> , 2020, 134, 315-330.	4.3	71
135	Proteomic and functional characterization of endogenous adiponectin purified from fetal bovine serum. <i>Proteomics</i> , 2004, 4, 3933-3942.	2.2	69
136	APPL1 potentiates insulin secretion in pancreatic β cells by enhancing protein kinase Akt-dependent expression of SNARE proteins in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8919-8924.	7.1	69
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