Yan Lu

List of Publications by Year
in descending order

111 papers	26,288 citations	27035 58 h-index	28425 109 g-index
112 all docs	112 docs citations	112 times ranked	39670 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
2	Transcriptional co-activator PGC-1Î± drives the formation of slow-twitch muscle fibres. Nature, 2002, 418, 797-801.	13.7	2,232
3	Suppression of Reactive Oxygen Species and Neurodegeneration by the PGC-1 Transcriptional Coactivators. Cell, 2006, 127, 397-408.	13.5	1,948
4	TEAD mediates YAP-dependent gene induction and growth control. Genes and Development, 2008, 22, 1962-1971.	2.7	1,943
5	Metabolic control through the PGC-1 family of transcription coactivators. Cell Metabolism, 2005, 1, 361-370.	7.2	1,826
6	Defects in Adaptive Energy Metabolism with CNS-Linked Hyperactivity in PGC-1Î± Null Mice. Cell, 2004, 119, 121-135.	13.5	1,074
7	Exercise Induces Hippocampal BDNF through a PGC-1Î±/FNDC5 Pathway. Cell Metabolism, 2013, 18, 649-659.	7.2	925
8	PGC-1Â protects skeletal muscle from atrophy by suppressing FoxO3 action and atrophy-specific gene transcription. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16260-16265.	3.3	841
9	Cytokine Stimulation of Energy Expenditure through p38 MAP Kinase Activation of PPARÎ³ Coactivator-1. Molecular Cell, 2001, 8, 971-982.	4.5	661
10	An autoregulatory loop controls peroxisome proliferator-activated receptor Â coactivator 1Â expression in muscle. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7111-7116.	3.3	633
11	Transcriptional coactivator PGC-1Î± controls the energy state and contractile function of cardiac muscle. Cell Metabolism, 2005, 1, 259-271.	7.2	608
12	Hyperlipidemic Effects of Dietary Saturated Fats Mediated through PGC-1Î² Coactivation of SREBP. Cell, 2005, 120, 261-273.	13.5	579
13	Transcriptional coactivator PGC-1Î± integrates the mammalian clock and energy metabolism. Nature, 2007, 447, 477-481.	13.7	570
14	Complementary action of the PGC-1 coactivators in mitochondrial biogenesis and brown fat differentiation. Cell Metabolism, 2006, 3, 333-341.	7.2	548
15	Bioenergetic Analysis of Peroxisome Proliferator-activated Receptor Î³ Coactivators 1Î± and 1Î² (PGC-1Î± and) Tj ETQq1 1 0.784314 rg	1.6	490
16	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. Molecular Cell, 2019, 75, 644-660.e5.	4.5	488
17	Peroxisome Proliferator-activated Receptor Î³ Coactivator 1Î² (PGC-1Î²), A Novel PGC-1-related Transcription Coactivator Associated with Host Cell Factor. Journal of Biological Chemistry, 2002, 277, 1645-1648.	1.6	463
18	Functions of autophagy in normal and diseased liver. Autophagy, 2013, 9, 1131-1158.	4.3	384

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19	The brown fatâ€“enriched secreted factor Nrg4 preserves metabolic homeostasis through attenuation of hepatic lipogenesis. Nature Medicine, 2014, 20, 1436-1443.	15.2	354
20	Nutritional Regulation of Hepatic Heme Biosynthesis and Porphyria through PGC-1Î±. Cell, 2005, 122, 505-515.	13.5	347
21	Muscle-specific expression of PPARÎ³ coactivator-1Î± improves exercise performance and increases peak oxygen uptake. Journal of Applied Physiology, 2008, 104, 1304-1312.	1.2	322
22	Suppression of mitochondrial respiration through recruitment of p160 myb binding protein to PGC-1Â: modulation by p38 MAPK. Genes and Development, 2004, 18, 278-289.	2.7	263
23	Paradoxical effects of increased expression of PGC-1Î± on muscle mitochondrial function and insulin-stimulated muscle glucose metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19926-19931.	3.3	257
24	A Long Noncoding RNA Transcriptional Regulatory Circuit Drives Thermogenic Adipocyte Differentiation. Molecular Cell, 2014, 55, 372-382.	4.5	224
25	PGC-1Î² in the Regulation of Hepatic Glucose and Energy Metabolism. Journal of Biological Chemistry, 2003, 278, 30843-30848.	1.6	212
26	Temporal orchestration of circadian autophagy rhythm by C/EBPÎ². EMBO Journal, 2011, 30, 4642-4651.	3.5	194
27	Inhibition of AMPK Catabolic Action by GSK3. Molecular Cell, 2013, 50, 407-419.	4.5	191
28	PGC-1 coactivators in the control of energy metabolism. Acta Biochimica Et Biophysica Sinica, 2011, 43, 248-257.	0.9	174
29	The brown fat secretome: metabolic functions beyond thermogenesis. Trends in Endocrinology and Metabolism, 2015, 26, 231-237.	3.1	164
30	Long Noncoding RNAs: A New Regulatory Code in Metabolic Control. Trends in Biochemical Sciences, 2015, 40, 586-596.	3.7	164
31	Hypomorphic mutation of PGC-1Î² causes mitochondrial dysfunction and liver insulin resistance. Cell Metabolism, 2006, 4, 453-464.	7.2	162
32	Genome-wide Coactivation Analysis of PGC-1Î± Identifies BAF60a as a Regulator of Hepatic Lipid Metabolism. Cell Metabolism, 2008, 8, 105-117.	7.2	144
33	Hepatic neuregulin 4 signaling defines an endocrine checkpoint for steatosis-to-NASH progression. Journal of Clinical Investigation, 2017, 127, 4449-4461.	3.9	127
34	Long noncoding RNA licensing of obesity-linked hepatic lipogenesis and NAFLD pathogenesis. Nature Communications, 2018, 9, 2986.	5.8	122
35	Baf60c drives glycolytic metabolism in the muscle and improves systemic glucose homeostasis through Deptor-mediated Akt activation. Nature Medicine, 2013, 19, 640-645.	15.2	121
36	Periostin promotes liver steatosis and hypertriglyceridemia through downregulation of PPARÎ±. Journal of Clinical Investigation, 2014, 124, 3501-3513.	3.9	110

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37	PGC-1Î± Controls Skeletal Stem Cell Fate and Bone-Fat Balance in Osteoporosis and Skeletal Aging by Inducing TAZ. Cell Stem Cell, 2018, 23, 193-209.e5.	5.2	108
38	SEC24A deficiency lowers plasma cholesterol through reduced PCSK9 secretion. ELife, 2013, 2, e00444.	2.8	104
39	Nrg4 promotes fuel oxidation and a healthy adipokine profile to ameliorate diet-induced metabolic disorders. Molecular Metabolism, 2017, 6, 863-872.	3.0	97
40	Parvalbumin Deficiency and GABAergic Dysfunction in Mice Lacking PGC-1Î±. Journal of Neuroscience, 2010, 30, 7227-7235.	1.7	96
41	Autophagy Deficiency by Hepatic FIP200 Deletion Uncouples Steatosis From Liver Injury in NAFLD. Molecular Endocrinology, 2013, 27, 1643-1654.	3.7	95
42	Minireview: The PGC-1 Coactivator Networks: Chromatin-Remodeling and Mitochondrial Energy Metabolism. Molecular Endocrinology, 2009, 23, 2-10.	3.7	88
43	Yin Yang 1 promotes hepatic steatosis through repression of farnesoid X receptor in obese mice. Gut, 2014, 63, 170-178.	6.1	87
44	Defects in energy homeostasis in Leigh syndrome French Canadian variant through PGC-1Â/LRP130 complex. Genes and Development, 2006, 20, 2996-3009.	2.7	86
45	Mapping the molecular signatures of diet-induced NASH and its regulation by the hepatokine Tsukushi. Molecular Metabolism, 2019, 20, 128-137.	3.0	86
46	The Functional Pitch of an Organ: Quantification of Tissue Texture with Photoacoustic Spectrum Analysis. Radiology, 2014, 271, 248-254.	3.6	83
47	Proteome-wide analysis of USP14 substrates revealed its role in hepatosteatosis via stabilization of FASN. Nature Communications, 2018, 9, 4770.	5.8	81
48	Lipogenic transcription factor ChREBP mediates fructose-induced metabolic adaptations to prevent hepatotoxicity. Journal of Clinical Investigation, 2017, 127, 2855-2867.	3.9	79
49	KLF11 mediates PPARÎ³ cerebrovascular protection in ischaemic stroke. Brain, 2013, 136, 1274-1287.	3.7	78
50	Bmal1 in Perivascular Adipose Tissue Regulates Resting-Phase Blood Pressure Through Transcriptional Regulation of Angiotensinogen. Circulation, 2018, 138, 67-79.	1.6	77
51	Partnership of PGC-1Î± and HNF4Î± in the Regulation of Lipoprotein Metabolism*. Journal of Biological Chemistry, 2006, 281, 14683-14690.	1.6	76
52	Circadian autophagy rhythm: a link between clock and metabolism?. Trends in Endocrinology and Metabolism, 2012, 23, 319-325.	3.1	75
53	Celastrol Attenuates Hypertension-Induced Inflammation and Oxidative Stress in Vascular Smooth Muscle Cells via Induction of Heme Oxygenase-1. American Journal of Hypertension, 2010, 23, 895-903.	1.0	71
54	Regulation of Hepatic ApoC3 Expression by PGC-1Î² Mediates Hypolipidemic Effect of Nicotinic Acid. Cell Metabolism, 2010, 12, 411-419.	7.2	69

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55	Metabolic Crosstalk: Molecular Links Between Glycogen and Lipid Metabolism in Obesity. Diabetes, 2014, 63, 2935-2948.	0.3	69
56	Zbtb7b engages the long noncoding RNA Blnc1 to drive brown and beige fat development and thermogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7111-E7120.	3.3	68
57	Conserved function of the long noncoding RNA Blnc1 in brown adipocyte differentiation. Molecular Metabolism, 2017, 6, 101-110.	3.0	65
58	Function and Mechanism of Long Noncoding RNAs in Adipocyte Biology. Diabetes, 2019, 68, 887-896.	0.3	65
59	Neuronal Inactivation of Peroxisome Proliferator-activated Receptor Î³ Coactivator 1Î± (PGC-1Î±) Protects Mice from Diet-induced Obesity and Leads to Degenerative Lesions. Journal of Biological Chemistry, 2010, 285, 39087-39095.	1.6	64
60	Single-Cell RNA Profiling Reveals Adipocyte to Macrophage Signaling Sufficient to Enhance Thermogenesis. Cell Reports, 2020, 32, 107998.	2.9	60
61	CREBH Couples Circadian Clock With Hepatic Lipid Metabolism. Diabetes, 2016, 65, 3369-3383.	0.3	59
62	The hepatokine Tsukushi gates energy expenditure via brown fat sympathetic innervation. Nature Metabolism, 2019, 1, 251-260.	5.1	53
63	Sel1L-Hrd1 ER-associated degradation maintains Î² cell identity via TGF-Î² signaling. Journal of Clinical Investigation, 2020, 130, 3499-3510.	3.9	52
64	Integration of energy metabolism and the mammalian clock. Cell Cycle, 2008, 7, 453-457.	1.3	49
65	KDM4B protects against obesity and metabolic dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5566-E5575.	3.3	47
66	The obesity-induced adipokine sST2 exacerbates adipose T _{reg} and ILC2 depletion and promotes insulin resistance. Science Advances, 2020, 6, eaay6191.	4.7	43
67	Induction of Megakaryocyte Differentiation by a Novel Pregnancy-specific Hormone. Journal of Biological Chemistry, 1999, 274, 21485-21489.	1.6	42
68	The long noncoding RNA Blnc1 orchestrates homeostatic adipose tissue remodeling to preserve metabolic health. Molecular Metabolism, 2018, 14, 60-70.	3.0	42
69	Ubiquitin-Specific Protease 2 Regulates Hepatic Gluconeogenesis and Diurnal Glucose Metabolism Through 11Î²-Hydroxysteroid Dehydrogenase 1. Diabetes, 2012, 61, 1025-1035.	0.3	40
70	The Baf60c/Deptor Pathway Links Skeletal Muscle Inflammation to Glucose Homeostasis in Obesity. Diabetes, 2014, 63, 1533-1545.	0.3	40
71	Glucose Sensing by Skeletal Myocytes Couples Nutrient Signaling to Systemic Homeostasis. Molecular Cell, 2017, 66, 332-344.e4.	4.5	40
72	Sustained ER stress promotes hyperglycemia by increasing glucagon action through the deubiquitinating enzyme USP14. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21732-21738.	3.3	39

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73	Brown fat activation mitigates alcohol-induced liver steatosis and injury in mice. Journal of Clinical Investigation, 2019, 129, 2305-2317.	3.9	39
74	NRG1-Fc improves metabolic health via dual hepatic and central action. JCI Insight, 2018, 3, .	2.3	37
75	Stimulated Raman scattering imaging by continuous-wave laser excitation. Optics Letters, 2013, 38, 1479.	1.7	36
76	Otopetrin 1 Protects Mice From Obesity-Associated Metabolic Dysfunction Through Attenuating Adipose Tissue Inflammation. Diabetes, 2014, 63, 1340-1352.	0.3	35
77	The Biological Clock is Regulated by Adrenergic Signaling in Brown Fat but is Dispensable for Cold-Induced Thermogenesis. PLoS ONE, 2013, 8, e70109.	1.1	33
78	Lipid Mediator Informatics and Proteomics in Inflammation-Resolution. Scientific World Journal, The, 2006, 6, 589-614.	0.8	31
79	The Liver Clock Controls Cholesterol Homeostasis through Trib1 Protein-mediated Regulation of PCSK9/Low Density Lipoprotein Receptor (LDLR) Axis. Journal of Biological Chemistry, 2015, 290, 31003-31012.	1.6	31
80	Slit2 Modulates the Inflammatory Phenotype of Orbit-Infiltrating Fibrocytes in Gravesâ€™ Disease. Journal of Immunology, 2018, 200, 3942-3949.	0.4	31
81	BAF60a Deficiency in Vascular Smooth Muscle Cells Prevents Abdominal Aortic Aneurysm by Reducing Inflammation and Extracellular Matrix Degradation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2494-2507.	1.1	31
82	Reactivation of a Hematopoietic Endocrine Program of Pregnancy Contributes to Recovery from Thrombocytopenia. Molecular Endocrinology, 2002, 16, 1386-1393.	3.7	29
83	Hepatic Slug epigenetically promotes liver lipogenesis, fatty liver disease, and type 2 diabetes. Journal of Clinical Investigation, 2020, 130, 2992-3004.	3.9	29
84	A Singleâ€Cell Perspective of the Mammalian Liver in Health and Disease. Hepatology, 2020, 71, 1467-1473.	3.6	29
85	The SWI/SNF chromatin-remodeling factors BAF60a, b, and c in nutrient signaling and metabolic control. Protein and Cell, 2018, 9, 207-215.	4.8	27
86	hnRNPU/TrkB Defines a Chromatin Accessibility Checkpoint for Liver Injury and Nonalcoholic Steatohepatitis Pathogenesis. Hepatology, 2020, 71, 1228-1246.	3.6	27
87	Hepatic Small Ubiquitinâ€Related Modifier (SUMO)â€"Specific Protease 2 Controls Systemic Metabolism Through SUMOylationâ€Dependent Regulation of Liverâ€"Adipose Tissue Crosstalk. Hepatology, 2021, 74, 1864-1883.	3.6	27
88	Molecular control of circadian metabolic rhythms. Journal of Applied Physiology, 2009, 107, 1959-1964.	1.2	26
89	A Diet-Sensitive BAF60a-Mediated Pathway Links Hepatic Bile Acid Metabolism to Cholesterol Absorption and Atherosclerosis. Cell Reports, 2015, 13, 1658-1669.	2.9	26
90	Circadian regulation of autophagy rhythm through transcription factor C/EBPÎ². Autophagy, 2012, 8, 124-125.	4.3	25

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91	Endothelium-protective, histone-neutralizing properties of the polyanionic agent defibrotide. JCI Insight, 2021, 6, .	2.3	23
92	PGC-1 Coactivator Activity Is Required for Murine Erythropoiesis. Molecular and Cellular Biology, 2014, 34, 1956-1965.	1.1	22
93	BAF60a deficiency uncouples chromatin accessibility and cold sensitivity from white fat browning. Nature Communications, 2020, 11, 2379.	5.8	20
94	Histone deacetylase 6 inhibition restores leptin sensitivity and reduces obesity. Nature Metabolism, 2022, 4, 44-59.	5.1	20
95	Reprogramming of Hepatic Metabolism and Microenvironment in Nonalcoholic Steatohepatitis. Annual Review of Nutrition, 2022, 42, 91-113.	4.3	20
96	Peroxisomal Localization and Circadian Regulation of Ubiquitin-Specific Protease 2. PLoS ONE, 2012, 7, e47970.	1.1	19
97	Circadian Metabolic Regulation through Crosstalk between Casein Kinase 1Î´ and Transcriptional Coactivator PGC-1Î±. Molecular Endocrinology, 2011, 25, 2084-2093.	3.7	18
98	CD34â˘ Orbital Fibroblasts From Patients With Thyroid-Associated Ophthalmopathy Modulate TNF-Î± Expression in CD34+ Fibroblasts and Fibrocytes. , 2018, 59, 2615.		18
99	Regulation of hepatic autophagy by stressâ€sensing transcription factor CREBH. FASEB Journal, 2019, 33, 7896-7914.	0.2	18
100	Identification of Trophoblast-Specific Regulatory Elements in the Mouse Placental Lactogen II Gene. Molecular Endocrinology, 1998, 12, 418-427.	3.7	15
101	Uncoupling Exercise Bioenergetics From Systemic Metabolic Homeostasis by Conditional Inactivation of Baf60 in Skeletal Muscle. Diabetes, 2018, 67, 85-97.	0.3	14
102	Regulation of hepatic circadian metabolism by the E3 ubiquitin ligase HRD1-controlled CREBH/PPARÎ± transcriptional program. Molecular Metabolism, 2021, 49, 101192.	3.0	14
103	A MicroRNA Circuitry Links Macrophage Polarization to Metabolic Homeostasis. Circulation, 2012, 125, 2815-2817.	1.6	11
104	A Sweet Path to Insulin Resistance Through PGC-1Î². Cell Metabolism, 2009, 9, 215-216.	7.2	10
105	Peroxisome Proliferator-activated Receptor Î³ Coactivator 1Î² (PGC-1Î²) Protein Attenuates Vascular Lesion Formation by Inhibition of Chromatin Loading of Minichromosome Maintenance Complex in Smooth Muscle Cells. Journal of Biological Chemistry, 2013, 288, 4625-4636.	1.6	8
106	The Micro-Managing Fat: Exosomes as a New Messenger. Trends in Endocrinology and Metabolism, 2017, 28, 541-542.	3.1	7
107	Deletion of the Feeding-Induced Hepatokine TSK Ameliorates the Melanocortin Obesity Syndrome. Diabetes, 2021, 70, 2081-2091.	0.3	6
108	A Novel Megakaryocyte Differentiation Factor from Mouse Placenta. Trends in Cardiovascular Medicine, 1999, 9, 167-171.	2.3	5

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109	GPNMB: expanding the code for liverâ€"fat communication. Nature Metabolism, 2019, 1, 507-508.	5.1	5
110	The hepatokine TSK maintains myofiber integrity and exercise endurance and contributes to muscle regeneration. JCI Insight, 2022, 7, .	2.3	5
111	STRUCTURAL INSIGHT INTO THE POLYMORPHISM OF NNQNTF PROTOFIBRIL: IMPORTANCE OF INTERFACIAL WATER, POLAR AND AROMATIC RESIDUES. Journal of Theoretical and Computational Chemistry, 2013, 12, 1341012.	1.8	0