

Yan Lu

List of Publications by Year in descending order

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111
papers

26,288
citations

23567

58
h-index

24982

109
g-index

112
all docs

112
docs citations

112
times ranked

36353
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Transcriptional co-activator PGC-1 α drives the formation of slow-twitch muscle fibres. Nature, 2002, 418, 797-801.	27.8	2,232
3	Suppression of Reactive Oxygen Species and Neurodegeneration by the PGC-1 Transcriptional Coactivators. Cell, 2006, 127, 397-408.	28.9	1,948
4	TEAD mediates YAP-dependent gene induction and growth control. Genes and Development, 2008, 22, 1962-1971.	5.9	1,943
5	Metabolic control through the PGC-1 family of transcription coactivators. Cell Metabolism, 2005, 1, 361-370.	16.2	1,826
6	Defects in Adaptive Energy Metabolism with CNS-Linked Hyperactivity in PGC-1 α Null Mice. Cell, 2004, 119, 121-135.	28.9	1,074
7	Exercise Induces Hippocampal BDNF through a PGC-1 α /FNDC5 Pathway. Cell Metabolism, 2013, 18, 649-659.	16.2	925
8	PGC-1 α 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.	7.1	841
9	Cytokine Stimulation of Energy Expenditure through p38 MAP Kinase Activation of PPAR γ Coactivator-1. Molecular Cell, 2001, 8, 971-982.	9.7	661
10	An autoregulatory loop controls peroxisome proliferator-activated receptor γ coactivator 1 α expression in muscle. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7111-7116.	7.1	633
11	Transcriptional coactivator PGC-1 α controls the energy state and contractile function of cardiac muscle. Cell Metabolism, 2005, 1, 259-271.	16.2	608
12	Hyperlipidemic Effects of Dietary Saturated Fats Mediated through PGC-1 α Coactivation of SREBP. Cell, 2005, 120, 261-273.	28.9	579
13	Transcriptional coactivator PGC-1 α integrates the mammalian clock and energy metabolism. Nature, 2007, 447, 477-481.	27.8	570
14	Complementary action of the PGC-1 coactivators in mitochondrial biogenesis and brown fat differentiation. Cell Metabolism, 2006, 3, 333-341.	16.2	548
15	Bioenergetic Analysis of Peroxisome Proliferator-activated Receptor γ Coactivators 1 α and 1 β (PGC-1 α and) Tj ETQq1 1 0.784314 rg8T	3.4	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.	9.7	488
17	Peroxisome Proliferator-activated Receptor γ Coactivator 1 β (PGC-1 β), A Novel PGC-1-related Transcription Coactivator Associated with Host Cell Factor. Journal of Biological Chemistry, 2002, 277, 1645-1648.	3.4	463
18	Functions of autophagy in normal and diseased liver. Autophagy, 2013, 9, 1131-1158.	9.1	384

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19	The brown fat-enriched secreted factor Nrg4 preserves metabolic homeostasis through attenuation of hepatic lipogenesis. <i>Nature Medicine</i> , 2014, 20, 1436-1443.	30.7	354
20	Nutritional Regulation of Hepatic Heme Biosynthesis and Porphyrin through PGC-1 α . <i>Cell</i> , 2005, 122, 505-515.	28.9	347
21	Muscle-specific expression of PPAR γ coactivator-1 α improves exercise performance and increases peak oxygen uptake. <i>Journal of Applied Physiology</i> , 2008, 104, 1304-1312.	2.5	322
22	Suppression of mitochondrial respiration through recruitment of p160 myb binding protein to PGC-1 α : modulation by p38 MAPK. <i>Genes and Development</i> , 2004, 18, 278-289.	5.9	263
23	Paradoxical effects of increased expression of PGC-1 α on muscle mitochondrial function and insulin-stimulated muscle glucose metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19926-19931.	7.1	257
24	A Long Noncoding RNA Transcriptional Regulatory Circuit Drives Thermogenic Adipocyte Differentiation. <i>Molecular Cell</i> , 2014, 55, 372-382.	9.7	224
25	PGC-1 β in the Regulation of Hepatic Glucose and Energy Metabolism. <i>Journal of Biological Chemistry</i> , 2003, 278, 30843-30848.	3.4	212
26	Temporal orchestration of circadian autophagy rhythm by C/EBP β . <i>EMBO Journal</i> , 2011, 30, 4642-4651.	7.8	194
27	Inhibition of AMPK Catabolic Action by GSK3. <i>Molecular Cell</i> , 2013, 50, 407-419.	9.7	191
28	PGC-1 coactivators in the control of energy metabolism. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 248-257.	2.0	174
29	The brown fat secretome: metabolic functions beyond thermogenesis. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 231-237.	7.1	164
30	Long Noncoding RNAs: A New Regulatory Code in Metabolic Control. <i>Trends in Biochemical Sciences</i> , 2015, 40, 586-596.	7.5	164
31	Hypomorphic mutation of PGC-1 β causes mitochondrial dysfunction and liver insulin resistance. <i>Cell Metabolism</i> , 2006, 4, 453-464.	16.2	162
32	Genome-wide Coactivation Analysis of PGC-1 α Identifies BAF60a as a Regulator of Hepatic Lipid Metabolism. <i>Cell Metabolism</i> , 2008, 8, 105-117.	16.2	144
33	Hepatic neuregulin 4 signaling defines an endocrine checkpoint for steatosis-to-NASH progression. <i>Journal of Clinical Investigation</i> , 2017, 127, 4449-4461.	8.2	127
34	Long noncoding RNA licensing of obesity-linked hepatic lipogenesis and NAFLD pathogenesis. <i>Nature Communications</i> , 2018, 9, 2986.	12.8	122
35	Baf60c drives glycolytic metabolism in the muscle and improves systemic glucose homeostasis through Deptor-mediated Akt activation. <i>Nature Medicine</i> , 2013, 19, 640-645.	30.7	121
36	Periostin promotes liver steatosis and hypertriglyceridemia through downregulation of PPAR γ . <i>Journal of Clinical Investigation</i> , 2014, 124, 3501-3513.	8.2	110

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37	PGC-1 β Controls Skeletal Stem Cell Fate and Bone-Fat Balance in Osteoporosis and Skeletal Aging by Inducing TAZ. <i>Cell Stem Cell</i> , 2018, 23, 193-209.e5.	11.1	108
38	SEC24A deficiency lowers plasma cholesterol through reduced PCSK9 secretion. <i>ELife</i> , 2013, 2, e00444.	6.0	104
39	Nrg4 promotes fuel oxidation and a healthy adipokine profile to ameliorate diet-induced metabolic disorders. <i>Molecular Metabolism</i> , 2017, 6, 863-872.	6.5	97
40	Parvalbumin Deficiency and GABAergic Dysfunction in Mice Lacking PGC-1 β . <i>Journal of Neuroscience</i> , 2010, 30, 7227-7235.	3.6	96
41	Autophagy Deficiency by Hepatic FIP200 Deletion Uncouples Steatosis From Liver Injury in NAFLD. <i>Molecular Endocrinology</i> , 2013, 27, 1643-1654.	3.7	95
42	Minireview: The PGC-1 Coactivator Networks: Chromatin-Remodeling and Mitochondrial Energy Metabolism. <i>Molecular Endocrinology</i> , 2009, 23, 2-10.	3.7	88
43	Yin Yang 1 promotes hepatic steatosis through repression of farnesoid X receptor in obese mice. <i>Gut</i> , 2014, 63, 170-178.	12.1	87
44	Defects in energy homeostasis in Leigh syndrome French Canadian variant through PGC-1 β /LRP130 complex. <i>Genes and Development</i> , 2006, 20, 2996-3009.	5.9	86
45	Mapping the molecular signatures of diet-induced NASH and its regulation by the hepatokine Tsukushi. <i>Molecular Metabolism</i> , 2019, 20, 128-137.	6.5	86
46	The Functional Pitch of an Organ: Quantification of Tissue Texture with Photoacoustic Spectrum Analysis. <i>Radiology</i> , 2014, 271, 248-254.	7.3	83
47	Proteome-wide analysis of USP14 substrates revealed its role in hepatosteatosis via stabilization of FASN. <i>Nature Communications</i> , 2018, 9, 4770.	12.8	81
48	Lipogenic transcription factor ChREBP mediates fructose-induced metabolic adaptations to prevent hepatotoxicity. <i>Journal of Clinical Investigation</i> , 2017, 127, 2855-2867.	8.2	79
49	KLF11 mediates PPAR γ cerebrovascular protection in ischaemic stroke. <i>Brain</i> , 2013, 136, 1274-1287.	7.6	78
50	Bmal1 in Perivascular Adipose Tissue Regulates Resting-Phase Blood Pressure Through Transcriptional Regulation of Angiotensinogen. <i>Circulation</i> , 2018, 138, 67-79.	1.6	77
51	Partnership of PGC-1 β and HNF4 α in the Regulation of Lipoprotein Metabolism*. <i>Journal of Biological Chemistry</i> , 2006, 281, 14683-14690.	3.4	76
52	Circadian autophagy rhythm: a link between clock and metabolism?. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 319-325.	7.1	75
53	Celastrol Attenuates Hypertension-Induced Inflammation and Oxidative Stress in Vascular Smooth Muscle Cells via Induction of Heme Oxygenase-1. <i>American Journal of Hypertension</i> , 2010, 23, 895-903.	2.0	71
54	Regulation of Hepatic ApoC3 Expression by PGC-1 β Mediates Hypolipidemic Effect of Nicotinic Acid. <i>Cell Metabolism</i> , 2010, 12, 411-419.	16.2	69

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55	Metabolic Crosstalk: Molecular Links Between Glycogen and Lipid Metabolism in Obesity. <i>Diabetes</i> , 2014, 63, 2935-2948.	0.6	69
56	Zbtb7b engages the long noncoding RNA Blnc1 to drive brown and beige fat development and thermogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7111-E7120.	7.1	68
57	Conserved function of the long noncoding RNA Blnc1 in brown adipocyte differentiation. <i>Molecular Metabolism</i> , 2017, 6, 101-110.	6.5	65
58	Function and Mechanism of Long Noncoding RNAs in Adipocyte Biology. <i>Diabetes</i> , 2019, 68, 887-896.	0.6	65
59	Neuronal Inactivation of Peroxisome Proliferator-activated Receptor β Coactivator 1 α (PGC-1 α) Protects Mice from Diet-induced Obesity and Leads to Degenerative Lesions. <i>Journal of Biological Chemistry</i> , 2010, 285, 39087-39095.	3.4	64
60	Single-Cell RNA Profiling Reveals Adipocyte to Macrophage Signaling Sufficient to Enhance Thermogenesis. <i>Cell Reports</i> , 2020, 32, 107998.	6.4	60
61	CREBH Couples Circadian Clock With Hepatic Lipid Metabolism. <i>Diabetes</i> , 2016, 65, 3369-3383.	0.6	59
62	The hepatokine Tsukushi gates energy expenditure via brown fat sympathetic innervation. <i>Nature Metabolism</i> , 2019, 1, 251-260.	11.9	53
63	Sel1L-Hrd1 ER-associated degradation maintains β cell identity via TGF- β signaling. <i>Journal of Clinical Investigation</i> , 2020, 130, 3499-3510.	8.2	52
64	Integration of energy metabolism and the mammalian clock. <i>Cell Cycle</i> , 2008, 7, 453-457.	2.6	49
65	KDM4B protects against obesity and metabolic dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5566-E5575.	7.1	47
66	The obesity-induced adipokine sST2 exacerbates adipose T β and ILC2 depletion and promotes insulin resistance. <i>Science Advances</i> , 2020, 6, eaay6191.	10.3	43
67	Induction of Megakaryocyte Differentiation by a Novel Pregnancy-specific Hormone. <i>Journal of Biological Chemistry</i> , 1999, 274, 21485-21489.	3.4	42
68	The long noncoding RNA Blnc1 orchestrates homeostatic adipose tissue remodeling to preserve metabolic health. <i>Molecular Metabolism</i> , 2018, 14, 60-70.	6.5	42
69	Ubiquitin-Specific Protease 2 Regulates Hepatic Gluconeogenesis and Diurnal Glucose Metabolism Through 11 β -Hydroxysteroid Dehydrogenase 1. <i>Diabetes</i> , 2012, 61, 1025-1035.	0.6	40
70	The Baf60c/Deptor Pathway Links Skeletal Muscle Inflammation to Glucose Homeostasis in Obesity. <i>Diabetes</i> , 2014, 63, 1533-1545.	0.6	40
71	Glucose Sensing by Skeletal Myocytes Couples Nutrient Signaling to Systemic Homeostasis. <i>Molecular Cell</i> , 2017, 66, 332-344.e4.	9.7	40
72	Sustained ER stress promotes hyperglycemia by increasing glucagon action through the deubiquitinating enzyme USP14. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21732-21738.	7.1	39

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73	Brown fat activation mitigates alcohol-induced liver steatosis and injury in mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 2305-2317.	8.2	39
74	NRG1-Fc improves metabolic health via dual hepatic and central action. <i>JCI Insight</i> , 2018, 3, .	5.0	37
75	Stimulated Raman scattering imaging by continuous-wave laser excitation. <i>Optics Letters</i> , 2013, 38, 1479.	3.3	36
76	Otopetrin 1 Protects Mice From Obesity-Associated Metabolic Dysfunction Through Attenuating Adipose Tissue Inflammation. <i>Diabetes</i> , 2014, 63, 1340-1352.	0.6	35
77	The Biological Clock is Regulated by Adrenergic Signaling in Brown Fat but is Dispensable for Cold-Induced Thermogenesis. <i>PLoS ONE</i> , 2013, 8, e70109.	2.5	33
78	Lipid Mediator Informatics and Proteomics in Inflammation-Resolution. <i>Scientific World Journal</i> , The, 2006, 6, 589-614.	2.1	31
79	The Liver Clock Controls Cholesterol Homeostasis through Trib1 Protein-mediated Regulation of PCSK9/Low Density Lipoprotein Receptor (LDLR) Axis. <i>Journal of Biological Chemistry</i> , 2015, 290, 31003-31012.	3.4	31
80	Slit2 Modulates the Inflammatory Phenotype of Orbit-Infiltrating Fibrocytes in Gravesâ€™ Disease. <i>Journal of Immunology</i> , 2018, 200, 3942-3949.	0.8	31
81	BAF60a Deficiency in Vascular Smooth Muscle Cells Prevents Abdominal Aortic Aneurysm by Reducing Inflammation and Extracellular Matrix Degradation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2494-2507.	2.4	31
82	Reactivation of a Hematopoietic Endocrine Program of Pregnancy Contributes to Recovery from Thrombocytopenia. <i>Molecular Endocrinology</i> , 2002, 16, 1386-1393.	3.7	29
83	Hepatic Slug epigenetically promotes liver lipogenesis, fatty liver disease, and type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2020, 130, 2992-3004.	8.2	29
84	A Singleâ€™Cell Perspective of the Mammalian Liver in Health and Disease. <i>Hepatology</i> , 2020, 71, 1467-1473.	7.3	29
85	The SWI/SNF chromatin-remodeling factors BAF60a, b, and c in nutrient signaling and metabolic control. <i>Protein and Cell</i> , 2018, 9, 207-215.	11.0	27
86	hnRNPU/TrkB Defines a Chromatin Accessibility Checkpoint for Liver Injury and Nonalcoholic Steatohepatitis Pathogenesis. <i>Hepatology</i> , 2020, 71, 1228-1246.	7.3	27
87	Hepatic Small Ubiquitinâ€™Related Modifier (SUMO)â€™Specific Protease 2 Controls Systemic Metabolism Through SUMOylationâ€™Dependent Regulation of Liverâ€™Adipose Tissue Crosstalk. <i>Hepatology</i> , 2021, 74, 1864-1883.	7.3	27
88	Molecular control of circadian metabolic rhythms. <i>Journal of Applied Physiology</i> , 2009, 107, 1959-1964.	2.5	26
89	A Diet-Sensitive BAF60a-Mediated Pathway Links Hepatic Bile Acid Metabolism to Cholesterol Absorption and Atherosclerosis. <i>Cell Reports</i> , 2015, 13, 1658-1669.	6.4	26
90	Circadian regulation of autophagy rhythm through transcription factor C/EBPÎ². <i>Autophagy</i> , 2012, 8, 124-125.	9.1	25

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91	Endothelium-protective, histone-neutralizing properties of the polyanionic agent defibrotide. JCI Insight, 2021, 6, .	5.0	23
92	PGC-1 Coactivator Activity Is Required for Murine Erythropoiesis. Molecular and Cellular Biology, 2014, 34, 1956-1965.	2.3	22
93	BAF60a deficiency uncouples chromatin accessibility and cold sensitivity from white fat browning. Nature Communications, 2020, 11, 2379.	12.8	20
94	Histone deacetylase 6 inhibition restores leptin sensitivity and reduces obesity. Nature Metabolism, 2022, 4, 44-59.	11.9	20
95	Reprogramming of Hepatic Metabolism and Microenvironment in Nonalcoholic Steatohepatitis. Annual Review of Nutrition, 2022, 42, 91-113.	10.1	20
96	Peroxisomal Localization and Circadian Regulation of Ubiquitin-Specific Protease 2. PLoS ONE, 2012, 7, e47970.	2.5	19
97	Circadian Metabolic Regulation through Crosstalk between Casein Kinase 1 γ and Transcriptional Coactivator PGC-1 β . Molecular Endocrinology, 2011, 25, 2084-2093.	3.7	18
98	CD34 $^{+}$ Orbital Fibroblasts From Patients With Thyroid-Associated Ophthalmopathy Modulate TNF- α Expression in CD34 $^{+}$ Fibroblasts and Fibrocytes. , 2018, 59, 2615.		18
99	Regulation of hepatic autophagy by stress-sensing transcription factor CREBH. FASEB Journal, 2019, 33, 7896-7914.	0.5	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.	0.6	14
102	Regulation of hepatic circadian metabolism by the E3 ubiquitin ligase HRD1-controlled CREBH/PPAR α transcriptional program. Molecular Metabolism, 2021, 49, 101192.	6.5	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-1 β . Cell Metabolism, 2009, 9, 215-216.	16.2	10
105	Peroxisome Proliferator-activated Receptor γ 3 Coactivator 1 β (PGC-1 β) 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.	3.4	8
106	The Micro-Managing Fat: Exosomes as a New Messenger. Trends in Endocrinology and Metabolism, 2017, 28, 541-542.	7.1	7
107	Deletion of the Feeding-Induced Hepatokine TSK Ameliorates the Melanocortin Obesity Syndrome. Diabetes, 2021, 70, 2081-2091.	0.6	6
108	A Novel Megakaryocyte Differentiation Factor from Mouse Placenta. Trends in Cardiovascular Medicine, 1999, 9, 167-171.	4.9	5

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109	GPNMB: expanding the code for liver–fat communication. <i>Nature Metabolism</i> , 2019, 1, 507-508.	11.9	5
110	The hepatokine TSK maintains myofiber integrity and exercise endurance and contributes to muscle regeneration. <i>JCI Insight</i> , 2022, 7, .	5.0	5
111	STRUCTURAL INSIGHT INTO THE POLYMORPHISM OF NNQNTF PROTOFIBRIL: IMPORTANCE OF INTERFACIAL WATER, POLAR AND AROMATIC RESIDUES. <i>Journal of Theoretical and Computational Chemistry</i> , 2013, 12, 1341012.	1.8	0