Wen-Jun Shen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92 papers	4,594 citations	39 h-index	67 g-index
94 ext. papers	5,231 ext. citations	5.1 avg, IF	5.49 L-index

#	Paper	IF	Citations
92	Hormone sensitive lipase ablation promotes bone regeneration. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2022**, 166449	6.9	0
91	SNAP25 mutation disrupts metabolic homeostasis, steroid hormone production and central neurobehavior. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1868, 166304	6.9	0
90	Chemerin regulates formation and function of brown adipose tissue: Ablation results in increased insulin resistance with high fat challenge and aging. *FASEB Journal*, **2021**, 35, e21687	0.9	0
89	SOD2 deficiency-induced oxidative stress attenuates steroidogenesis in mouse ovarian granulosa cells. *Molecular and Cellular Endocrinology*, **2021**, 519, 110888	4.4	5
88	The adaptor protein GIPC1 stabilizes the scavenger receptor SR-B1 and increases its cholesterol uptake. *Journal of Biological Chemistry*, **2021**, 296, 100616	5.4	1
87	COVID-19 May Increase the Risk of Insulin Resistance in Adult Patients Without Diabetes: A 6-Month Prospective Study. *Endocrine Practice*, **2021**, 27, 834-841	3.2	6
86	Molecular changes in hepatic metabolism in ZDSD rats-A new polygenic rodent model of obesity, metabolic syndrome, and diabetes. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165688	6.9	2
85	Dysregulation of microRNA-125a contributes to obesity-associated insulin resistance and dysregulates lipid metabolism in mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2020**, 1865, 158640	5	8
84	The role of miRNAs in regulating adrenal and gonadal steroidogenesis. *Journal of Molecular Endocrinology*, **2020**, 64, R21-R43	4.5	12
83	Scavenger receptor class B, type 1 facilitates cellular fatty acid uptake. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2020**, 1865, 158554	5	10
82	Slc43a3 is a regulator of free fatty acid flux. *Journal of Lipid Research*, **2020**, 61, 734-745	6.3	3
81	Over-expression of miR-34c leads to early-life visceral fat accumulation and insulin resistance. *Scientific Reports*, **2019**, 9, 13844	4.9	4
80	Tissue-Specific Ablation of ACSL4 Results in Disturbed Steroidogenesis. *Endocrinology*, **2019**, 160, 2517-2528	4.8	7
79	Plasma membrane cholesterol trafficking in steroidogenesis. *FASEB Journal*, **2019**, 33, 1389-1400	0.9	6
78	Creosote bush-derived NDGA attenuates molecular and pathological changes in a novel mouse model of non-alcoholic steatohepatitis (NASH). *Molecular and Cellular Endocrinology*, **2019**, 498, 110538	4.4	6
77	Novel ABCA1 peptide agonists with antidiabetic action. *Molecular and Cellular Endocrinology*, **2019**, 480, 1-11	4.4	3
76	Anti-hyperlipidaemic effects of synthetic analogues of nordihydroguaiaretic acid in dyslipidaemic rats. *British Journal of Pharmacology*, **2019**, 176, 369-385	8.6	3

75	Nordihydroguaiaretic Acid, a Lignan from (Creosote Bush), Protects Against American Lifestyle-Induced Obesity Syndrome Diet-Induced Metabolic Dysfunction in Mice. *Journal of Pharmacology and Experimental Therapeutics*, **2018**, 365, 281-290	4.7	12
74	Scavenger receptor B type 1: expression, molecular regulation, and cholesterol transport function. *Journal of Lipid Research*, **2018**, 59, 1114-1131	6.3	55
73	SR-B1: A Unique Multifunctional Receptor for Cholesterol Influx and Efflux. *Annual Review of Physiology*, **2018**, 80, 95-116	23.1	146
72	PPARs: regulators of metabolism and as therapeutic targets in cardiovascular disease. Part I: PPAR-□*Future Cardiology*, **2017**, 13, 259-278	1.3	72
71	PPARs: regulators of metabolism and as therapeutic targets in cardiovascular disease. Part II: PPAR-□and PPAR-□*Future Cardiology*, **2017**, 13, 279-296	1.3	97
70	WNT-activated bone grafts repair osteonecrotic lesions in aged animals. *Scientific Reports*, **2017**, 7, 14254	4.9	7
69	Regulation of adrenal and ovarian steroidogenesis by miR-132. *Journal of Molecular Endocrinology*, **2017**, 59, 269-283	4.5	26
68	NHERF1 and NHERF2 regulation of SR-B1 stability via ubiquitination and proteasome degradation. *Biochemical and Biophysical Research Communications*, **2017**, 490, 1168-1175	3.4	5
67	Feedback inhibition of CREB signaling by p38 MAPK contributes to the negative regulation of steroidogenesis. *Reproductive Biology and Endocrinology*, **2017**, 15, 19	5	13
66	SNAREs and cholesterol movement for steroidogenesis. *Molecular and Cellular Endocrinology*, **2017**, 441, 17-21	4.4	15
65	Microarray analysis of gene expression in liver, adipose tissue and skeletal muscle in response to chronic dietary administration of NDGA to high-fructose fed dyslipidemic rats. *Nutrition and Metabolism*, **2016**, 13, 63	4.6	10
64	Post-transcriptional and Post-translational Regulation of Steroidogenesis **2016**, 253-275		
63	Lipid droplets and steroidogenic cells. *Experimental Cell Research*, **2016**, 340, 209-14	4.2	81
62	SNARE-Mediated Cholesterol Movement to Mitochondria Supports Steroidogenesis in Rodent Cells. *Molecular Endocrinology*, **2016**, 30, 234-47		30
61	ACTH Regulation of Adrenal SR-B1. *Frontiers in Endocrinology*, **2016**, 7, 42	5.7	15
60	Using SRM-MS to quantify nuclear protein abundance differences between adipose tissue depots of insulin-resistant mice. *Journal of Lipid Research*, **2015**, 56, 1068-78	6.3	8
59	Quantification of stromal vascular cell mechanics with a linear cell monolayer rheometer. *Journal of Rheology*, **2015**, 59, 33-50	4.1	3
58	Effect of Creosote Bush-Derived NDGA on Expression of Genes Involved in Lipid Metabolism in Liver of High-Fructose Fed Rats: Relevance to NDGA Amelioration of Hypertriglyceridemia and Hepatic Steatosis. *PLoS ONE*, **2015**, 10, e0138203	3.7	16

57	Adipose Triglyceride Lipase, Not Hormone-Sensitive Lipase, Is the Primary Lipolytic Enzyme in Fasting Elephant Seals (Mirounga angustirostris). *Physiological and Biochemical Zoology*, **2015**, 88, 284-94	2	3
56	A Novel Role of Salt-Inducible Kinase 1 (SIK1) in the Post-Translational Regulation of Scavenger Receptor Class B Type 1 Activity. *Biochemistry*, **2015**, 54, 6917-30	3.2	19
55	p38 MAPK regulates steroidogenesis through transcriptional repression of STAR gene. *Journal of Molecular Endocrinology*, **2014**, 53, 1-16	4.5	26
54	The proteome of cholesteryl-ester-enriched versus triacylglycerol-enriched lipid droplets. *PLoS ONE* , **2014**, 9, e105047	3.7	47
53	Scavenger receptor class B type I (SR-BI): a versatile receptor with multiple functions and actions. *Metabolism: Clinical and Experimental*, **2014**, 63, 875-86	12.7	66
52	Anti-hyperlipidemic actions of synthetic nordihydroguaiaretic acid analogs (767.1). *FASEB Journal*, **2014**, 28, 767.1	0.9	
51	Cholesterol ester droplets and steroidogenesis. *Molecular and Cellular Endocrinology*, **2013**, 371, 15-9	4.4	46
50	Regulation of expression and function of scavenger receptor class B, type I (SR-BI) by Na+/H+ exchanger regulatory factors (NHERFs). *Journal of Biological Chemistry*, **2013**, 288, 11416-35	5.4	30
49	Nordihydroguaiaretic acid improves metabolic dysregulation and aberrant hepatic lipid metabolism in mice by both PPAR□dependent and -independent pathways. *American Journal of Physiology - Renal Physiology*, **2013**, 304, G72-86	5.1	19
48	Lipid droplet metabolism. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2013**, 16, 632-7	3.8	59
47	Fat-specific protein 27 modulates nuclear factor of activated T cells 5 and the cellular response to stress. *Journal of Lipid Research*, **2013**, 54, 734-743	6.3	36
46	Age-related modulation of the effects of obesity on gene expression profiles of mouse bone marrow and epididymal adipocytes. *PLoS ONE*, **2013**, 8, e72367	3.7	27
45	Hormonal regulation of microRNA expression in steroid producing cells of the ovary, testis and adrenal gland. *PLoS ONE*, **2013**, 8, e78040	3.7	51
44	Ablation of vimentin results in defective steroidogenesis. *Endocrinology*, **2012**, 153, 3249-57	4.8	50
43	MicroRNAs 125a and 455 repress lipoprotein-supported steroidogenesis by targeting scavenger receptor class B type I in steroidogenic cells. *Molecular and Cellular Biology*, **2012**, 32, 5035-45	4.8	95
42	Hormone-sensitive lipase modulates adipose metabolism through PPAR□*Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2011**, 1811, 9-16	5	47
41	Characterization of age-related gene expression profiling in bone marrow and epididymal adipocytes. *BMC Genomics*, **2011**, 12, 212	4.5	98
40	Differential roles of cysteine residues in the cellular trafficking, dimerization, and function of the high-density lipoprotein receptor, SR-BI. *Biochemistry*, **2011**, 50, 10860-75	3.2	18

39	Hormone-sensitive lipase-knockout mice maintain high bone density during aging. *FASEB Journal*, **2011**, 25, 2722-30	0.9	8
38	IL-17 regulates adipogenesis, glucose homeostasis, and obesity. *Journal of Immunology*, **2010**, 185, 6947-59	5.3	257
37	Vimentin is a functional partner of hormone sensitive lipase and facilitates lipolysis. *Journal of Proteome Research*, **2010**, 9, 1786-94	5.6	26
36	Adipocytes decrease Runx2 expression in osteoblastic cells: roles of PPAR□and adiponectin. *Journal of Cellular Physiology*, **2010**, 225, 837-45	7	60
35	Cellular cholesterol delivery, intracellular processing and utilization for biosynthesis of steroid hormones. *Nutrition and Metabolism*, **2010**, 7, 47	4.6	242
34	Functional interaction of hormone-sensitive lipase and perilipin in lipolysis. *Journal of Lipid Research* , **2009**, 50, 2306-13	6.3	86
33	Gene expression profile of human skeletal muscle and adipose tissue of Chinese Han patients with type 2 diabetes mellitus. *Biomedical and Environmental Sciences*, **2009**, 22, 359-68	1.1	10
32	Oxidative stress-induced inhibition of adrenal steroidogenesis requires participation of p38 mitogen-activated protein kinase signaling pathway. *Journal of Endocrinology*, **2008**, 198, 193-207	4.7	44
31	Cardiac overexpression of hormone-sensitive lipase inhibits myocardial steatosis and fibrosis in streptozotocin diabetic mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E1109-18	6	50
30	Impact of Aging on Cholesterol Transport Protein Expression and Steroidogenesis in Rat Testicular Leydig Cells. *Open Longevity Science*, **2008**, 2, 76-85		5
29	Control of adipose triglyceride lipase action by serine 517 of perilipin A globally regulates protein kinase A-stimulated lipolysis in adipocytes. *Journal of Biological Chemistry*, **2007**, 282, 996-1002	5.4	218
28	The LDL receptor is not necessary for acute adrenal steroidogenesis in mouse adrenocortical cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E408-12	6	24
27	Effects of rosiglitazone and high fat diet on lipase/esterase expression in adipose tissue. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2007**, 1771, 177-84	5	34
26	Regulation of hormone-sensitive lipase in islets. *Diabetes Research and Clinical Practice*, **2007**, 75, 14-26	7.4	5
25	Generation of novel adipocyte monolayer cultures from embryonic stem cells. *Stem Cells and Development*, **2007**, 16, 371-80	4.4	13
24	LDL and cAMP cooperate to regulate the functional expression of the LRP in rat ovarian granulosa cells. *Journal of Lipid Research*, **2006**, 47, 2538-50	6.3	6
23	Hormone-sensitive lipase knockouts. *Nutrition and Metabolism*, **2006**, 3, 12	4.6	40
22	Mutational analysis of the "regulatory module" of hormone-sensitive lipase. *Biochemistry*, **2005**, 44, 1953-9	3.2	17

21	Hormone-sensitive lipase is required for high-density lipoprotein cholesteryl ester-supported adrenal steroidogenesis. *Molecular Endocrinology*, **2004**, 18, 549-57		81
20	Absence of hormone-sensitive lipase inhibits obesity and adipogenesis in Lep ob/ob mice. *Journal of Biological Chemistry*, **2004**, 279, 15084-90	5.4	45
19	Function of hormone-sensitive lipase in diacylglycerol-protein kinase C pathway. *Diabetes Research and Clinical Practice*, **2004**, 65, 209-15	7.4	9
18	Interaction of hormone-sensitive lipase with steroidogenic acute regulatory protein: facilitation of cholesterol transfer in adrenal. *Journal of Biological Chemistry*, **2003**, 278, 43870-6	5.4	61
17	Resistance to high-fat diet-induced obesity and altered expression of adipose-specific genes in HSL-deficient mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 285, E1182-95	6	126
16	Overexpression of leptin in transgenic mice leads to decreased basal lipolysis, PKA activity, and perilipin levels. *Biochemical and Biophysical Research Communications*, **2003**, 312, 1165-70	3.4	9
15	Fatty acid-binding protein-hormone-sensitive lipase interaction. Fatty acid dependence on binding. *Journal of Biological Chemistry*, **2003**, 278, 47636-43	5.4	77
14	Cardiac gene expression profile and lipid accumulation in response to starvation. *American Journal of Physiology - Endocrinology and Metabolism*, **2002**, 283, E94-E102	6	42
13	Adrenal neutral cholesteryl ester hydrolase: identification, subcellular distribution, and sex differences. *Endocrinology*, **2002**, 143, 801-6	4.8	50
12	Hormone-sensitive lipase: control of intracellular tri-(di-)acylglycerol and cholesteryl ester hydrolysis. *Journal of Lipid Research*, **2002**, 43, 1585-94	6.3	363
11	Human BMP-7/OP-1 induces the growth and differentiation of adipocytes and osteoblasts in bone marrow stromal cell cultures. *Journal of Cellular Biochemistry*, **2001**, 82, 187-99	4.7	58
10	Stimulation of lipolysis and hormone-sensitive lipase via the extracellular signal-regulated kinase pathway. *Journal of Biological Chemistry*, **2001**, 276, 45456-61	5.4	264
9	Characterization of the functional interaction of adipocyte lipid-binding protein with hormone-sensitive lipase. *Journal of Biological Chemistry*, **2001**, 276, 49443-8	5.4	64
8	Absence of cardiac lipid accumulation in transgenic mice with heart-specific HSL overexpression. *American Journal of Physiology - Endocrinology and Metabolism*, **2001**, 281, E857-66	6	45
7	Hormone-sensitive lipase functions as an oligomer. *Biochemistry*, **2000**, 39, 2392-8	3.2	56
6	Interaction of rat hormone-sensitive lipase with adipocyte lipid-binding protein. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 5528-32	11.5	175
5	Mutational analysis of structural features of rat hormone-sensitive lipase. *Biochemistry*, **1998**, 37, 8973-9	3.2	68
4	Functional analysis of the promoter region of a nodule-enhanced glutamine synthetase gene from Phaseolus vulgaris L. *Plant Molecular Biology*, **1992**, 19, 837-46	4.6	16

3	Two glutamine synthetase genes from Phaseolus vulgaris L. display contrasting developmental and spatial patterns of expression in transgenic Lotus corniculatus plants. *Plant Cell*, **1989**, 1, 391-401	11.6	148
2	Efficient transformation of Agrobacterium spp. by high voltage electroporation. *Nucleic Acids Research*, **1989**, 17, 8385	20.1	252
1	Adrenal Neutral Cholesteryl Ester Hydrolase: Identification, Subcellular Distribution, and Sex Differences		16