Lawrence Chan

List of Publications by Year
in descending order

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123	12,321	36203	24915
papers	citations	51 h-index	109 g-index

131	131	131	17573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gene therapy for neuropathic pain using dorsal root ganglionâ€“targeted helper-dependent adenoviral vectors with GAD67 expression. Pain Reports, 2018, 3, e695.	1.4	9
2	PLIN2 is a Key Regulator of the Unfolded Protein Response and Endoplasmic Reticulum Stress Resolution in Pancreatic Î² Cells. Scientific Reports, 2017, 7, 40855.	1.6	47
3	The constitutive lipid droplet protein PLIN2 regulates autophagy in liver. Autophagy, 2017, 13, 1130-1144.	4.3	136
4	Loss of glutaredoxin 3 impedes mammary lobuloalveolar development during pregnancy and lactation. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E136-E149.	1.8	9
5	Deletion of hepatic carbohydrate response element binding protein (ChREBP) impairs glucose homeostasis and hepatic insulin sensitivity in mice. Molecular Metabolism, 2017, 6, 1381-1394.	3.0	42
6	Anti-TCRÎ² mAb in Combination With Neurogenin3 Gene Therapy Reverses Established Overt Type 1 Diabetes in Female NOD Mice. Endocrinology, 2017, 158, 3140-3151.	1.4	6
7	Acute activation of GLP-1-expressing neurons promotes glucose homeostasis and insulin sensitivity. Molecular Metabolism, 2017, 6, 1350-1359.	3.0	32
8	Differential Gene Dosage Effects of Diabetes-Associated Gene GLIS3 in Pancreatic Î² Cell Differentiation and Function. Endocrinology, 2017, 158, 9-20.	1.4	14
9	Adiponectin is required for maintaining normal body temperature in a cold environment. BMC Physiology, 2017, 17, 8.	3.6	38
10	ChREBP Regulates Itself and Metabolic Genes Implicated in Lipid Accumulation in Î²â€“Cell Line. PLoS ONE, 2016, 11, e0147411.	1.1	34
11	Cholesterol Accumulation in CD11c+ Immune Cells Is a Causal and Targetable Factor in Autoimmune Disease. Immunity, 2016, 45, 1311-1326.	6.6	99
12	Mammalian autophagy is essential for hepatic and renal ketogenesis during starvation. Scientific Reports, 2016, 6, 18944.	1.6	58
13	Monogenic Diabetes: What It Teaches Us on the Common Forms of Type 1 and Type 2 Diabetes. Endocrine Reviews, 2016, 37, 190-222.	8.9	100
14	Inhibition of the hexosamine biosynthetic pathway promotes castration-resistant prostate cancer. Nature Communications, 2016, 7, 11612.	5.8	66
15	ROCK1 reduces mitochondrial content and irisin production in muscle suppressing adipocyte browning and impairing insulin sensitivity. Scientific Reports, 2016, 6, 29669.	1.6	28
16	Ablation of a small subpopulation of diabetes-specific bone marrow-derived cells in mice protects against diabetic neuropathy. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E269-E275.	1.8	6
17	Gene Therapy for Diabetes. , 2015, , 115-128.		0
18	Development and rescue of human familial hypercholesterolaemia in a xenograft mouse model. Nature Communications, 2015, 6, 7339.	5.8	51

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19	Proinsulin-producing, hyperglycemia-induced adipose tissue macrophages underlie insulin resistance in high fat-fed diabetic mice. FASEB Journal, 2015, 29, 3537-3548.	0.2	12
20	PD-L1â€“Driven Tolerance Protects Neurogenin3-Induced Islet Neogenesis to Reverse Established Type 1 Diabetes in NOD Mice. Diabetes, 2015, 64, 529-540.	0.3	21
21	Ubc9 Impairs Activation of the Brown Fat Energy Metabolism Program in Human White Adipocytes. Molecular Endocrinology, 2015, 29, 1320-1333.	3.7	10
22	FABP4-Cre Mediated Expression of Constitutively Active ChREBP Protects Against Obesity, Fatty Liver, and Insulin Resistance. Endocrinology, 2015, 156, 4020-4032.	1.4	37
23	The ERÎ±-PI3K Cascade in Proopiomelanocortin Progenitor Neurons Regulates Feeding and Glucose Balance in Female Mice. Endocrinology, 2015, 156, 4474-4491.	1.4	33
24	Effects of High Fat Feeding and Diabetes on Regression of Atherosclerosis Induced by Low-Density Lipoprotein Receptor Gene Therapy in LDL Receptor-Deficient Mice. PLoS ONE, 2015, 10, e0128996.	1.1	30
25	Molecular Therapy for Type 1 and Type 2 Diabetes. , 2015, , 965-982.		0
26	Polyglycerol-functionalized nanodiamond as a platform for gene delivery: Derivatization, characterization, and hybridization with DNA. Beilstein Journal of Organic Chemistry, 2014, 10, 707-713.	1.3	52
27	Apolipoprotein B mRNA Editing. , 2014, , 325-342.		8
28	Hyperglycemia induces abnormal gene expression in hematopoietic stem cells and their progeny in diabetic neuropathy. FEBS Letters, 2014, 588, 1080-1086.	1.3	22
29	Emerging roles of hematopoietic cells in the pathobiology of diabetic complications. Trends in Endocrinology and Metabolism, 2014, 25, 178-187.	3.1	47
30	Gene Therapy for Neuropathic Pain by Silencing of TNF-Î± Expression with Lentiviral Vectors Targeting the Dorsal Root Ganglion in Mice. PLoS ONE, 2014, 9, e92073.	1.1	54
31	Abstract 12189: Molecular Mechanisms Underlying Fasting Modulated Liver Insulin Sensitivity and Metabolism in Male Lipodystrophic Bscl2/Seipin-Deficient Mice. Circulation, 2014, 130, .	1.6	0
32	PLIN2, the major perilipin regulated during sebocyte differentiation, controls sebaceous lipid accumulation in vitro and sebaceous gland size in vivo. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4642-4649.	1.1	48
33	Inactivation of Plin4 downregulates Plin5 and reduces cardiac lipid accumulation in mice. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E770-E779.	1.8	83
34	Nutrigenetics and Nutrigenomics of Atherosclerosis. Current Atherosclerosis Reports, 2013, 15, 328.	2.0	24
35	TFEB controls cellular lipid metabolism through a starvation-induced autoregulatory loop. Nature Cell Biology, 2013, 15, 647-658.	4.6	796
36	GLPâ€2 receptor is required for glucose homeostasis and energy balance. FASEB Journal, 2013, 27, 1160.8.	0.2	1

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37	Response to Comment on â€œA Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeysâ€. Science Translational Medicine, 2012, 4, .	5.8	0
38	Berardinelli-Seip Congenital Lipodystrophy 2/Seipin Is a Cell-Autonomous Regulator of Lipolysis Essential for Adipocyte Differentiation. Molecular and Cellular Biology, 2012, 32, 1099-1111.	1.1	139
39	POMCâ€GLPâ€2R signaling and action in the control of feeding behavior and gastric motility. FASEB Journal, 2012, 26, 701.16.	0.2	0
40	SIRT1 acutely modulates glucose sensing of POMC neurons in the hypothalamus. FASEB Journal, 2012, 26, 1094.5.	0.2	0
41	Cellular Energy Depletion Resets Whole-Body Energy by Promoting Coactivator-Mediated Dietary Fuel Absorption. Cell Metabolism, 2011, 13, 35-43.	7.2	78
42	A mammalian monothiol glutaredoxin, Grx3, is critical for cell cycle progression during embryogenesis. FEBS Journal, 2011, 278, 2525-2539.	2.2	54
43	Pathogenesis of diabetic neuropathy: bad to the bone. Annals of the New York Academy of Sciences, 2011, 1240, 70-76.	1.8	26
44	Adipophilin regulates maturation of cytoplasmic lipid droplets and alveolae in differentiating mammary glands. Journal of Cell Science, 2011, 124, 3247-3253.	1.2	57
45	A Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeys. Science Translational Medicine, 2011, 3, 108ra112.	5.8	80
46	Nutrigenetic Disruption of Inflammation-Resolution Homeostasis and Atherogenesis. Journal of Nutrigenetics and Nutrigenomics, 2011, 4, 12-24.	1.8	37
47	Gene Therapy Targeting LDL Cholesterol but not HDL Cholesterol Induces Regression of Advanced Atherosclerosis in a Mouse Model of Familial Hypercholesterolemia. Journal of Genetic Syndromes & Gene Therapy, 2011, 2, 106.	0.2	23
48	GLPâ€2 receptor deficiency in the mouse brain impairs glucose homeostasis. FASEB Journal, 2011, 25, 1062.14.	0.2	0
49	Absence of adipose differentiation related protein upregulates hepatic VLDL secretion, relieves hepatosteatosis, and improves whole body insulin resistance in leptin-deficient mice. Journal of Lipid Research, 2010, 51, 2132-2142.	2.0	77
50	Adiponectin. Circulation Research, 2010, 106, 409-417.	2.0	88
51	Î²2 integrins modulate the initiation and progression of atherosclerosis in low-density lipoprotein receptor knockout mice. Cardiovascular Research, 2010, 85, 853-863.	1.8	18
52	Stem cell approaches for the treatment of type 1 diabetes mellitus. Translational Research, 2010, 156, 169-179.	2.2	29
53	Activation of nuclear receptor CAR ameliorates diabetes and fatty liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18831-18836.	3.3	216
54	Neurogenin3 Is Sufficient for Transdetermination of Hepatic Progenitor Cells into Neo-Islets In Vivo but Not Transdifferentiation of Hepatocytes. Developmental Cell, 2009, 16, 358-373.	3.1	174

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55	Endothelial dysfunction in adiponectin deficiency and its mechanisms involved. Journal of Molecular and Cellular Cardiology, 2009, 46, 413-419.	0.9	114
56	The PAT family of lipid droplet proteins in heart and vascular cells. Current Hypertension Reports, 2008, 10, 461-466.	1.5	50
57	IFATS Collection: Combinatorial Peptides Identify Î±5Î²1 Integrin as a Receptor for the Matricellular Protein SPARC on Adipose Stromal Cells. Stem Cells, 2008, 26, 2735-2745.	1.4	70
58	Isolation of specific peptides that home to dorsal root ganglion neurons in mice. Neuroscience Letters, 2008, 434, 266-272.	1.0	6
59	Microarray gene profiling of laser-captured cells: A new tool to study atherosclerosis in mice. Atherosclerosis, 2008, 200, 257-263.	0.4	15
60	Atherosclerosis: evidence for impairment of resolution of vascular inflammation governed by specific lipid mediators. FASEB Journal, 2008, 22, 3595-3606.	0.2	378
61	Targeted inactivation of MLL3 histone H3â€“Lys-4 methyltransferase activity in the mouse reveals vital roles for MLL3 in adipogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19229-19234.	3.3	165
62	Deficiency of Adipose Differentiation-Related Protein Impairs Foam Cell Formation and Protects Against Atherosclerosis. Circulation Research, 2008, 102, 1492-1501.	2.0	142
63	Adiponectin regulates albuminuria and podocyte function in mice. Journal of Clinical Investigation, 2008, 118, 1645-56.	3.9	493
64	Adiponectin is Expressed in Skeletal Muscle and Influences Muscle Phenotype and Function. FASEB Journal, 2008, 22, .	0.2	0
65	Molecular Therapy for Type 1 and Type 2 Diabetes. , 2008, , .		0
66	Abstract 6255: Adiponectin Deficiency Profoundly Exacerbates Sepsis-Related Mortality through Endothelial Activation: A Novel Mechanistic Link between Adiposity and Sepsis. Circulation, 2008, 118, .	1.6	0
67	Adiponectin Cardioprotection After Myocardial Ischemia/Reperfusion Involves the Reduction of Oxidative/Nitrative Stress. Circulation, 2007, 115, 1408-1416.	1.6	411
68	Regulation of Triglyceride Metabolism. III. Emerging role of lipid droplet protein ADFP in health and disease. American Journal of Physiology - Renal Physiology, 2007, 292, G1465-G1468.	1.6	38
69	T-Cell Accumulation and Regulated on Activation, Normal T Cell Expressed and Secreted Upregulation in Adipose Tissue in Obesity. Circulation, 2007, 115, 1029-1038.	1.6	577
70	Molecular characterization of the role of orphan receptor small heterodimer partner in development of fatty liver. Hepatology, 2007, 46, 147-157.	3.6	140
71	Glucagonâ€like Peptideâ€2 Activates the mTOR Signaling Through a PI3â€kinaseâ€Aktâ€dependent Pathway. FASEB Journal, 2007, 21, A1075.	0.2	1
72	Gene therapy for diabetes: reinventing the islet. Trends in Endocrinology and Metabolism, 2006, 17, 92-100.	3.1	44

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73	Extrapancreatic Proinsulin/Insulin-expressing Cells in Diabetes Mellitus: Is History Repeating Itself?. Endocrine Journal, 2006, 53, 715-722.	0.7	23
74	Protection against Fatty Liver but Normal Adipogenesis in Mice Lacking Adipose Differentiation-Related Protein. Molecular and Cellular Biology, 2006, 26, 1063-1076.	1.1	279
75	Functional Compensation for Adipose Differentiation-related Protein (ADFP) by Tip47 in an ADFP Null Embryonic Cell Line. Journal of Biological Chemistry, 2006, 281, 34341-34348.	1.6	105
76	Farnesoid X receptor is essential for normal glucose homeostasis. Journal of Clinical Investigation, 2006, 116, 1102-1109.	3.9	716
77	Chronic diabetic complications: the body's adaptive response to hyperglycemia gone awry?. Transactions of the American Clinical and Climatological Association, 2006, 117, 341-51; discussion 351-2.	0.9	9
78	A proatherogenic role for C-reactive protein in vivo. Current Opinion in Lipidology, 2005, 16, 512-517.	1.2	23
79	Endothelial lipase modulates HDL but has no effect on atherosclerosis development in apoEâ^'/â^' and LDLRâ^'/â^' mice. Journal of Lipid Research, 2005, 46, 2586-2594.	2.0	66
80	From The Cover: The fusion of bone-marrow-derived proinsulin-expressing cells with nerve cells underlies diabetic neuropathy. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12525-12530.	3.3	64
81	C-Reactive Protein Accelerates the Progression of Atherosclerosis in Apolipoprotein Eâ€"Deficient Mice. Circulation, 2004, 109, 647-655.	1.6	371
82	Metabolic Adaptations in the Absence of Perilipin. Journal of Biological Chemistry, 2004, 279, 35150-35158.	1.6	96
83	Absence of p21 Waf1/Cip1/Sdi1 Modulates Macrophage Differentiation and Inflammatory Response and Protects Against Atherosclerosis. Circulation, 2004, 110, 3830-3841.	1.6	66
84	Extrapancreatic insulin-producing cells in multiple organs in diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2458-2463.	3.3	191
85	Reversal of obesity by targeted ablation of adipose tissue. Nature Medicine, 2004, 10, 625-632.	15.2	523
86	Liver-directed gene therapy for dyslipidemia and diabetes. Current Atherosclerosis Reports, 2004, 6, 203-209.	2.0	8
87	Helperâ€Dependent Adenoviral Vectors. Current Protocols in Human Genetics, 2004, 43, 12.13.1.	3.5	0
88	NeuroD-betacellulin gene therapy induces islet neogenesis in the liver and reverses diabetes in mice. Nature Medicine, 2003, 9, 596-603.	15.2	430
89	In vivo gene therapy for diabetes mellitus. Trends in Molecular Medicine, 2003, 9, 430-435.	3.5	27
90	Coordinated Upregulation of Oxidative Pathways and Downregulation of Lipid Biosynthesis Underlie Obesity Resistance in Perilipin Knockout Mice: A Microarray Gene Expression Profile. Diabetes, 2003, 52, 2666-2674.	0.3	70

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91	Macrophage-Specific p53 Expression Plays a Crucial Role in Atherosclerosis Development and Plaque Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1608-1614.	1.1	106
92	Increased Î²-Oxidation but No Insulin Resistance or Glucose Intolerance in Mice Lacking Adiponectin. Journal of Biological Chemistry, 2002, 277, 34658-34661.	1.6	264
93	Long-Term Stable Correction of Low-Density Lipoprotein Receptorâ€"Deficient Mice With a Helper-Dependent Adenoviral Vector Expressing the Very Low-Density Lipoprotein Receptor. Circulation, 2001, 103, 1274-1281.	1.6	146
94	Absence of perilipin results in leanness and reverses obesity in Leprdb/db mice. Nature Genetics, 2000, 26, 474-479.	9.4	523
95	Hammerhead Ribozyme as a Therapeutic Agent for Hyperlipidemia: Production of Truncated Apolipoprotein B and Hypolipidemic Effects in a Dyslipidemia Murine Model. Human Gene Therapy, 2000, 11, 2415-2430.	1.4	15
96	P-Selectin or Intercellular Adhesion Molecule (Icam)-1 Deficiency Substantially Protects against Atherosclerosis in Apolipoprotein Eâ€"Deficient Mice. Journal of Experimental Medicine, 2000, 191, 189-194.	4.2	434
97	Liver-specific Inactivation of the Abetalipoproteinemia Gene Completely Abrogates Very Low Density Lipoprotein/Low Density Lipoprotein Production in a Viable Conditional Knockout Mouse. Journal of Biological Chemistry, 1999, 274, 6051-6055.	1.6	116
98	The absence of p53 accelerates atherosclerosis by increasing cell proliferation in vivo. Nature Medicine, 1999, 5, 335-339.	15.2	261
99	Reversal of hyperlipidaemia in apolipoprotein C1 transgenic mice by adenovirus-mediated gene delivery of the low-density-lipoprotein receptor, but not by the very-low-density-lipoprotein receptor. Biochemical Journal, 1999, 338, 281-287.	1.7	50
100	Apobec-1 and apolipoprotein B mRNA editing. Lipids and Lipid Metabolism, 1997, 1345, 11-26.	2.6	65
101	Specificity of Serine Proteinase/Serpin Complex Binding to Very-Low-Density Lipoprotein Receptor and alpha2-Macroglobulin Receptor/Low-Density-Lipoprotein-Receptor-Related Protein. FEBS Journal, 1997, 248, 270-281.	0.2	83
102	Breast Carcinoma Epithelial Cells Express a Very Low-Density Lipoprotein Receptor Variant Lacking the O-Linked Glycosylation Domain Encoded by Exon 16, But with Full Binding Activity for Serine Proteinase/Serpin Complexes and Mr-40000 Receptor-Associated Protein. FEBS Journal, 1997, 248, 583-591.	0.2	31
103	Effective Lowering of Plasma, LDL, and Esterified Cholesterol in LDL Receptorâ€"Knockout Mice by Adenovirus-Mediated Gene Delivery of ApoB mRNA Editing Enzyme (Apobec1). Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 889-897.	1.1	26
104	Ubiquitin-Proteasome Pathway Mediates Intracellular Degradation of Apolipoprotein B. Biochemistry, 1996, 35, 13843-13848.	1.2	179
105	Transgenic rabbits with the integrated human 15-lipoxygenase gene driven by a lysozyme promoter: macrophage-specific expression and variable positional specificity of the transgenic enzyme.. FASEB Journal, 1995, 9, 1623-1631.	0.2	51
106	Mouse Very-Low-Density-Lipoprotein Receptor (VLDLR) cDNA Cloning, Tissue-specific Expression and Evolutionary Relationship with the Low-density-lipoprotein Receptor. FEBS Journal, 1994, 224, 975-982.	0.2	95
107	Regulation of apo B mRNA expression in liver and intestine during liver regeneration induced by CCl4. Lipids and Lipid Metabolism, 1994, 1211, 1-6.	2.6	12
108	RNA editing: Exploring one mode with apolipoprotein B mRNA. BioEssays, 1993, 15, 33-41.	1.2	50

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109	USE OF A VISUAL COMPARATIVE METHOD TO RESOLVE CONSERVED SEQUENCE MOTIFS IN PROTEINS. , 1993, , .		0
110	Cloning and sequencing of bovine apolipoprotein E complementary DNA and molecular evolution of apolipoproteins E, C-I, and C-II. Journal of Molecular Evolution, 1991, 32, 469-475.	0.8	20
111	A 40 kilodalton rat liver nuclear protein binds specifically to apolipoprotein B mRNA around the RNA editing site. Nucleic Acids Research, 1990, 18, 5817-5821.	6.5	70
112	Two polymorphisms for amino acid substitutions in the APOA4 gene. Nucleic Acids Research, 1990, 18, 4966-4966.	6.5	38
113	Structure and conformational analysis of lipid-associating peptides of apolipoprotein B-100 produced by trypsinolysis. The Protein Journal, 1989, 8, 689-699.	1.1	25
114	Mutations in the apolipoprotein B-100 gene: An important underlying cause of familially transmitted hypercholesterolemia and premature arteriosclerosis?. American Journal of Cardiology, 1989, 63, 740-742.	0.7	4
115	Structure and Functional Domains of Human Apolipoprotein B-100: A Strategy to Elucidate the Structure Information of a Large Protein. , 1989, , 466-474.		0
116	Primary sequence mapping of human apolipoprotein B-100 epitopes. Comparisons of trypsin accessibility and immunoreactivity and implication for apoB conformation. FEBS Journal, 1988, 175, 111-118.	0.2	13
117	The structure of the human apolipoprotein genes. Hepatology, 1987, 7, 56S-60S.	3.6	1
118	Structure and evolution of the apolipoprotein multigene family. Journal of Molecular Biology, 1986, 187, 325-340.	2.0	210
119	Sequence, structure, receptor-binding domains and internal repeats of human apolipoprotein B-100. Nature, 1986, 323, 738-742.	13.7	431
120	Steroid Hormone Regulation of Specific Gene Expression. Vitamins and Hormones, 1979, 36, 259-295.	0.7	42
121	Effects of estrogen on very low density lipoproteins (VLDL) synthesis in avian liver slices in vitro: Lack of correlation with nuclear estrogen receptors. The Journal of Steroid Biochemistry, 1977, 8, 1189-1191.	1.3	8
122	Mechanism of Action of the Sex Steroid Hormones. New England Journal of Medicine, 1976, 294, 1372-1381.	13.9	75
123	Atherosclerosis in Experimental Animal Models. , 0, , 427-432.		0