Mitchell A Lazar

List of Publications by Year
in descending order

114 papers	21,573 citations	19657 61 h-index	22832 112 g-index
117 all docs	117 docs citations	117 times ranked	28237 citing authors

#	Article	IF	Citations
1	The hormone resistin links obesity to diabetes. Nature, 2001, 409, 307-312.	27.8	4,167
2	The Many Faces of PPARÎ³. Cell, 2005, 123, 993-999.	28.9	1,291
3	Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. Cell, 2019, 178, 686-698.e14.	28.9	718
4	Rev-erbÎ±, a Heme Sensor That Coordinates Metabolic and Circadian Pathways. Science, 2007, 318, 1786-1789.	12.6	643
5	Regulation of Fasted Blood Glucose by Resistin. Science, 2004, 303, 1195-1198.	12.6	640
6	The Mechanism of Action of Thyroid Hormones. Annual Review of Physiology, 2000, 62, 439-466.	13.1	605
7	A Circadian Rhythm Orchestrated by Histone Deacetylase 3 Controls Hepatic Lipid Metabolism. Science, 2011, 331, 1315-1319.	12.6	596
8	The CoRNR motif controls the recruitment of corepressors by nuclear hormone receptors. Nature, 1999, 402, 93-96.	27.8	584
9	The SMRT and N-CoR Corepressors Are Activating Cofactors for Histone Deacetylase 3. Molecular and Cellular Biology, 2001, 21, 6091-6101.	2.3	532
10	Mitochondrial remodeling in adipose tissue associated with obesity and treatment with rosiglitazone. Journal of Clinical Investigation, 2004, 114, 1281-1289.	8.2	508
11	How Obesity Causes Diabetes: Not a Tall Tale. Science, 2005, 307, 373-375.	12.6	491
12	Circadian time signatures of fitness and disease. Science, 2016, 354, 994-999.	12.6	472
13	PPARÎ³ and the global map of adipogenesis and beyond. Trends in Endocrinology and Metabolism, 2014, 25, 293-302.	7.1	469
14	Regeneration of fat cells from myofibroblasts during wound healing. Science, 2017, 355, 748-752.	12.6	434
15	Rev-erbÎ± and Rev-erbÎ² coordinately protect the circadian clock and normal metabolic function. Genes and Development, 2012, 26, 657-667.	5.9	427
16	Nutrient-sensing nuclear receptors coordinate autophagy. Nature, 2014, 516, 112-115.	27.8	412
17	Thiazolidinediones and the Promise of Insulin Sensitization in Type 2 Diabetes. Cell Metabolism, 2014, 20, 573-591.	16.2	389
18	TRANSCRIPTIONALCONTROL OFADIPOGENESIS. Annual Review of Nutrition, 2000, 20, 535-559.	10.1	292

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19	Distinct macrophage populations direct inflammatory versus physiological changes in adipose tissue. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5096-E5105.	7.1	280
20	Unraveling the Regulation of Hepatic Metabolism by Insulin. Trends in Endocrinology and Metabolism, 2017, 28, 497-505.	7.1	278
21	Discrete functions of nuclear receptor Rev-erbÎ± couple metabolism to the clock. Science, 2015, 348, 1488-1492.	12.6	268
22	Histone deacetylase 3 is an epigenomic brake in macrophage alternative activation. Genes and Development, 2011, 25, 2480-2488.	5.9	254
23	The Orphan Nuclear Receptor Rev-erbÎ± Recruits the N-CoR/Histone Deacetylase 3 Corepressor to Regulate the Circadian Bmal1 Gene. Molecular Endocrinology, 2005, 19, 1452-1459.	3.7	239
24	The nuclear receptor Rev-erbÎ± controls circadian thermogenic plasticity. Nature, 2013, 503, 410-413.	27.8	228
25	MYC Disrupts the Circadian Clock and Metabolism in Cancer Cells. Cell Metabolism, 2015, 22, 1009-1019.	16.2	217
26	Adenylyl Cyclase-Associated Protein 1 Is a Receptor for Human Resistin and Mediates Inflammatory Actions of Human Monocytes. Cell Metabolism, 2014, 19, 484-497.	16.2	213
27	Thyroid hormone stimulates hepatic lipid catabolism via activation of autophagy. Journal of Clinical Investigation, 2012, 122, 2428-2438.	8.2	211
28	Deacetylase-Independent Function of HDAC3 in Transcription and Metabolism Requires Nuclear Receptor Corepressor. Molecular Cell, 2013, 52, 769-782.	9.7	208
29	Circadian Enhancers Coordinate Multiple Phases of Rhythmic Gene Transcription InÂVivo. Cell, 2014, 159, 1140-1152.	28.9	200
30	Cell-Specific Determinants of Peroxisome Proliferator-Activated Receptor Î³ Function in Adipocytes and Macrophages. Molecular and Cellular Biology, 2010, 30, 2078-2089.	2.3	189
31	The N-CoR/Histone Deacetylase 3 Complex Is Required for Repression by Thyroid Hormone Receptor. Molecular and Cellular Biology, 2003, 23, 5122-5131.	2.3	184
32	Rev-erbÎ± dynamically modulates chromatin looping to control circadian gene transcription. Science, 2018, 359, 1274-1277.	12.6	171
33	Nuclear receptor co-repressors are required for the histone-deacetylase activity of HDAC3Âin vivo. Nature Structural and Molecular Biology, 2013, 20, 182-187.	8.2	164
34	Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. Cell, 2017, 171, 573-587.e14.	28.9	162
35	Diet-Induced Circadian Enhancer Remodeling Synchronizes Opposing Hepatic Lipid Metabolic Processes. Cell, 2018, 174, 831-842.e12.	28.9	150
36	Histone deacetylase 3 prepares brown adipose tissue for acute thermogenic challenge. Nature, 2017, 546, 544-548.	27.8	149

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37	Integrator Regulates Transcriptional Initiation and Pause Release following Activation. Molecular Cell, 2014, 56, 128-139.	9.7	147
38	Genomic redistribution of GR monomers and dimers mediates transcriptional response to exogenous glucocorticoid in vivo. Genome Research, 2015, 25, 836-844.	5.5	146
39	Targeting macrophage Histone deacetylase 3 stabilizes atherosclerotic lesions. EMBO Molecular Medicine, 2014, 6, 1124-1132.	6.9	140
40	PPARÎ³, 10Âyears later. Biochimie, 2005, 87, 9-13.	2.6	133
41	Nuclear receptor Rev-erbÎ±: up, down, and all around. Trends in Endocrinology and Metabolism, 2014, 25, 586-592.	7.1	133
42	Circadian Metabolism in the Light of Evolution. Endocrine Reviews, 2015, 36, 289-304.	20.1	131
43	Integrative regulation of physiology by histone deacetylase 3. Nature Reviews Molecular Cell Biology, 2019, 20, 102-115.	37.0	116
44	Thyroid hormone action: a binding contract. Journal of Clinical Investigation, 2003, 112, 497-499.	8.2	115
45	Bifunctional Role of Rev-erbÎ± in Adipocyte Differentiation. Molecular and Cellular Biology, 2008, 28, 2213-2220.	2.3	110
46	SR9009 has REV-ERBâ€“independent effects on cell proliferation and metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12147-12152.	7.1	108
47	Genetic Variation Determines PPARÎ³ Function and Anti-diabetic Drug Response InÂVivo. Cell, 2015, 162, 33-44.	28.9	107
48	The hepatocyte clock and feeding control chronophysiology of multiple liver cell types. Science, 2020, 369, 1388-1394.	12.6	103
49	Negative feedback maintenance of heme homeostasis by its receptor, Rev-erbÎ±. Genes and Development, 2009, 23, 2201-2209.	5.9	101
50	Hdac3 Interaction with p300 Histone Acetyltransferase Regulates the Oligodendrocyte and Astrocyte Lineage Fate Switch. Developmental Cell, 2016, 36, 316-330.	7.0	90
51	Dissociation of muscle insulin sensitivity from exercise endurance in mice by HDAC3 depletion. Nature Medicine, 2017, 23, 223-234.	30.7	90
52	Dichotomous engagement of HDAC3 activity governs inflammatory responses. Nature, 2020, 584, 286-290.	27.8	89
53	Anti-diabetic rosiglitazone remodels the adipocyte transcriptome by redistributing transcription to PPARÎ³-driven enhancers. Genes and Development, 2014, 28, 1018-1028.	5.9	88
54	HDAC3-Dependent Epigenetic Pathway Controls Lung Alveolar Epithelial Cell Remodeling and Spreading via miR-17-92 and TGF-Î² Signaling Regulation. Developmental Cell, 2016, 36, 303-315.	7.0	85

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55	PPARÎ³ is a nexus controlling alternative activation of macrophages via glutamine metabolism. Genes and Development, 2018, 32, 1035-1044.	5.9	84
56	Nuclear factor-Î°B binding motifs specify Toll-like receptor-induced gene repression through an inducible repressosome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14140-14145.	7.1	81
57	Transcriptional Activation and Repression by RORÎ±, an Orphan Nuclear Receptor Required for Cerebellar Development. Molecular Endocrinology, 1997, 11, 1737-1746.	3.7	80
58	Genetic and epigenomic mechanisms of mammalian circadian transcription. Nature Structural and Molecular Biology, 2016, 23, 1045-1052.	8.2	80
59	Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. Nature Medicine, 2019, 25, 507-516.	30.7	79
60	Nuclear receptor corepressors. Nuclear Receptor Signaling, 2003, 1, nrs.01001.	1.0	74
61	Progress in cardiovascular biology: PPAR for the course. Nature Medicine, 2001, 7, 23-24.	30.7	67
62	Transcriptional Control of Circadian Rhythms and Metabolism: A Matter of Time and Space. Endocrine Reviews, 2020, 41, 707-732.	20.1	66
63	Behavioral Changes and Dopaminergic Dysregulation in Mice Lacking the Nuclear Receptor Rev-erbÎ±. Molecular Endocrinology, 2014, 28, 490-498.	3.7	64
64	The hepatic circadian clock fine-tunes the lipogenic response to feeding through RORÎ±/Î³. Genes and Development, 2017, 31, 1202-1211.	5.9	64
65	Interconnections between circadian clocks and metabolism. Journal of Clinical Investigation, 2021, 131, .	8.2	63
66	Maturing of the nuclear receptor family. Journal of Clinical Investigation, 2017, 127, 1123-1125.	8.2	60
67	Physiological Suppression of Lipotoxic Liver DamageÂby Complementary Actions of HDAC3 andÂSCAP/SREBP. Cell Metabolism, 2016, 24, 863-874.	16.2	59
68	Peroxisome Proliferator-Activated Receptor Î³1 Expression Is Induced during Cyclic Adenosine Monophosphate-Stimulated Differentiation of Alveolar Type II Pneumonocytes*. Endocrinology, 1997, 138, 3695-3703.	2.8	54
69	An HDAC3-PROX1 corepressor module acts on HNF4Î± to control hepatic triglycerides. Nature Communications, 2017, 8, 549.	12.8	52
70	Becoming fat. Genes and Development, 2002, 16, 1-5.	5.9	51
71	Human resistin protects against endotoxic shock by blocking LPSâ€"TLR4 interaction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10399-E10408.	7.1	51
72	HNF6 and Rev-erbÎ± integrate hepatic lipid metabolism by overlapping and distinct transcriptional mechanisms. Genes and Development, 2016, 30, 1636-1644.	5.9	49

#	ARTICLE	IF	CITATIONS
73	Targeting PPARÎ³ in the epigenome rescues genetic metabolic defects in mice. Journal of Clinical Investigation, 2017, 127, 1451-1462.	8.2	47
74	ATF4 licenses C/EBPÎ² activity in human mesenchymal stem cells primed for adipogenesis. ELife, 2015, 4, e06821.	6.0	45
75	Circadian lipid synthesis in brown fat maintains murine body temperature during chronic cold. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18691-18699.	7.1	45
76	Deletion of histone deacetylase 3 in adult beta cells improves glucose tolerance via increased insulin secretion. Molecular Metabolism, 2017, 6, 30-37.	6.5	44
77	Macrophage-Derived Human Resistin Is Induced in Multiple Helminth Infections and Promotes Inflammatory Monocytes and Increased Parasite Burden. PLoS Pathogens, 2015, 11, e1004579.	4.7	43
78	Identification of <i>C2CD4A</i> as a human diabetes susceptibility gene with a role in Î² cell insulin secretion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20033-20042.	7.1	38
79	Lactate Dehydrogenase C Produces S-2-Hydroxyglutarate in Mouse Testis. ACS Chemical Biology, 2016, 11, 2420-2427.	3.4	37
80	Early B Cell Factor Activity Controls Developmental and Adaptive Thermogenic Gene Programming in Adipocytes. Cell Reports, 2020, 30, 2869-2878.e4.	6.4	36
81	East meets West: an herbal tea finds a receptor. Journal of Clinical Investigation, 2004, 113, 23-25.	8.2	32
82	De-Meaning of Metabolism. Science, 2012, 336, 1651-1652.	12.6	29
83	Histone deacetylase 3 modulates Tbx5 activity to regulate early cardiogenesis. Human Molecular Genetics, 2014, 23, 3801-3809.	2.9	29
84	The Nuclear Receptor Rev-erbÎ± Regulates Adipose Tissue-specific FGF21 Signaling. Journal of Biological Chemistry, 2016, 291, 10867-10875.	3.4	29
85	Peroxisome Proliferator-Activated Receptor Â1 Expression Is Induced during Cyclic Adenosine Monophosphate-Stimulated Differentiation of Alveolar Type II Pneumonocytes. Endocrinology, 1997, 138, 3695-3703.	2.8	28
86	Î²â€Adrenergic receptors control brown adipose UCPâ€1 tone and cold response without affecting its circadian rhythmicity. FASEB Journal, 2018, 32, 5640-5646.	0.5	27
87	A noncanonical PPARÎ³/RXRÎ±-binding sequence regulates leptin expression in response to changes in adipose tissue mass. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6039-E6047.	7.1	27
88	Patient Adipose Stem Cell-Derived Adipocytes Reveal Genetic Variation that Predicts Antidiabetic Drug Response. Cell Stem Cell, 2019, 24, 299-308.e6.	11.1	27
89	Nuclear receptors and transcriptional regulation in non-alcoholic fatty liver disease. Molecular Metabolism, 2021, 50, 101119.	6.5	27
90	Sweet Dreams for LXR. Cell Metabolism, 2007, 5, 159-161.	16.2	26

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91	Genetic backgrounds determine brown remodeling of white fat in rodents. Molecular Metabolism, 2016, 5, 948-958.	6.5	25
92	Circadian REV-ERBs repress E4bp4 to activate NAMPT-dependent NAD+ biosynthesis and sustain cardiac function. , 2022, 1, 45-58.		25
93	Induction of Î± cellâ€"restricted Gc in dedifferentiating Î² cells contributes to stress-induced Î² cell dysfunction. JCI Insight, 2019, 4, .	5.0	24
94	Toxicity of overexpressed MeCP2 is independent of HDAC3 activity. Genes and Development, 2018, 32, 1514-1524.	5.9	23
95	Hypothalamic REV-ERB nuclear receptors control diurnal food intake and leptin sensitivity in diet-induced obese mice. Journal of Clinical Investigation, 2021, 131, .	8.2	23
96	A coregulator shift, rather than the canonical switch, underlies thyroid hormone action in the liver. Genes and Development, 2021, 35, 367-378.	5.9	22
97	HDAC3 ensures stepwise epidermal stratification via NCoR/SMRT-reliant mechanisms independent of its histone deacetylase activity. Genes and Development, 2020, 34, 973-988.	5.9	20
98	Nighttime light exposure enhances Rev-erbÎ±-targeting microRNAs and contributes to hepatic steatosis. Metabolism: Clinical and Experimental, 2018, 85, 250-258.	3.4	19
99	Dissecting the Rev-erbÎ± Cistrome and the Mechanisms Controlling Circadian Transcription in Liver. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 233-238.	1.1	18
100	REV-ERB nuclear receptors in the suprachiasmatic nucleus control circadian period and restrict diet-induced obesity. Science Advances, 2021, 7, eabh2007.	10.3	18
101	Isoform-specific functions of PPARÎ³ in gene regulation and metabolism. Genes and Development, 2022, 36, 300-312.	5.9	16
102	Individual-specific functional epigenomics reveals genetic determinants of adverse metabolic effects of glucocorticoids. Cell Metabolism, 2021, 33, 1592-1609.e7.	16.2	15
103	Reversing the curse on PPARÎ³. Journal of Clinical Investigation, 2018, 128, 2202-2204.	8.2	14
104	Liver Transcriptome Dynamics During Hibernation Are Shaped by a Shifting Balance Between Transcription and RNA Stability. Frontiers in Physiology, 2021, 12, 662132.	2.8	11
105	PPARγ in Adipocyte Differentiation. Journal of Animal Science, 1999, 77, 16.	0.5	8
106	One man's food. Nature, 2000, 407, 852-853.	27.8	7
107	Circadian Regulation of Gene Expression and Metabolism in the Liver. Seminars in Liver Disease, 2022, 42, 113-121.	3.6	7
108	Nicotinamide Riboside Improves Cardiac Function and Prolongs Survival After Disruption of the Cardiomyocyte Clock. Frontiers in Molecular Medicine, 2022, 2, .	1.9	5

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109	Using GRO-Seq to Measure Circadian Transcription and Discover Circadian Enhancers. Methods in Molecular Biology, 2021, 2130, 127-148.	0.9	4
110	Shining light on dark matter in the genome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24919-24921.	7.1	3
111	Phosphorylated MED1 links transcription recycling and cancer growth. Nucleic Acids Research, 2022, 50, 4450-4463.	14.5	2
112	Reply to â€œA â€œfutile cycleâ€•induced by thiazolidinediones in human adipose tissue?â€• Nature Medicine, 2003, 9, 812-812.	30.7	1
113	The great repression. Journal of Cell Science, 2001, 114, 3793-3794.	2.0	0
114	MON-LB017 Natural Genetic Variation in Humans Determines Basal and PPAR-Inducible Expression of PM20D1, a Putative Thermogenic Gene. Journal of the Endocrine Society, 2019, 3, .	0.2	0