# Mitchell A Lazar

List of Publications by Year
in descending order



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|---|---|---|---|
| 114 papers | 21,573 citations | 22548 61 h-index | 26792 111 g-index |
| 117 all docs | 117 docs citations | 117 times ranked | 30905 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Isoform-specific functions of PPARÎ³ in gene regulation and metabolism. Genes and Development, 2022, 36, 300-312. | 2.7 | 16 |
| 2 | Circadian Regulation of Gene Expression and Metabolism in the Liver. Seminars in Liver Disease, 2022, 42, 113-121. | 1.8 | 7 |
| 3 | Phosphorylated MED1 links transcription recycling and cancer growth. Nucleic Acids Research, 2022, 50, 4450-4463. | 6.5 | 2 |
| 4 | Circadian REV-ERBs repress E4bp4 to activate NAMPT-dependent NAD+ biosynthesis and sustain cardiac function. , 2022, 1, 45-58. | | 25 |
| 5 | Nicotinamide Riboside Improves Cardiac Function and Prolongs Survival After Disruption of the Cardiomyocyte Clock. Frontiers in Molecular Medicine, 2022, 2, . | 0.6 | 5 |
| 6 | Nuclear receptors and transcriptional regulation in non-alcoholic fatty liver disease. Molecular Metabolism, 2021, 50, 101119. | 3.0 | 27 |
| 7 | Hypothalamic REV-ERB nuclear receptors control diurnal food intake and leptin sensitivity in diet-induced obese mice. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 23 |
| 8 | A coregulator shift, rather than the canonical switch, underlies thyroid hormone action in the liver. Genes and Development, 2021, 35, 367-378. | 2.7 | 22 |
| 9 | Liver Transcriptome Dynamics During Hibernation Are Shaped by a Shifting Balance Between Transcription and RNA Stability. Frontiers in Physiology, 2021, 12, 662132. | 1.3 | 11 |
| 10 | Interconnections between circadian clocks and metabolism. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 63 |
| 11 | Individual-specific functional epigenomics reveals genetic determinants of adverse metabolic effects of glucocorticoids. Cell Metabolism, 2021, 33, 1592-1609.e7. | 7.2 | 15 |
| 12 | REV-ERB nuclear receptors in the suprachiasmatic nucleus control circadian period and restrict diet-induced obesity. Science Advances, 2021, 7, eabh2007. | 4.7 | 18 |
| 13 | Using GRO-Seq to Measure Circadian Transcription and Discover Circadian Enhancers. Methods in Molecular Biology, 2021, 2130, 127-148. | 0.4 | 4 |
| 14 | The hepatocyte clock and feeding control chronophysiology of multiple liver cell types. Science, 2020, 369, 1388-1394. | 6.0 | 103 |
| 15 | Dichotomous engagement of HDAC3 activity governs inflammatory responses. Nature, 2020, 584, 286-290. | 13.7 | 89 |
| 16 | Transcriptional Control of Circadian Rhythms and Metabolism: A Matter of Time and Space. Endocrine Reviews, 2020, 41, 707-732. | 8.9 | 66 |
| 17 | HDAC3 ensures stepwise epidermal stratification via NCoR/SMRT-reliant mechanisms independent of its histone deacetylase activity. Genes and Development, 2020, 34, 973-988. | 2.7 | 20 |
| 18 | Early B Cell Factor Activity Controls Developmental and Adaptive Thermogenic Gene Programming in Adipocytes. Cell Reports, 2020, 30, 2869-2878.e4. | 2.9 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. Cell, 2019, 178, 686-698.e14. | 13.5 | 718 |
| 20 | 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. | 3.3 | 45 |
| 21 | 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. | 3.3 | 38 |
| 22 | 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. | 3.3 | 108 |
| 23 | Dysregulation of a long noncoding RNA reduces leptin leading to a leptin-responsive form of obesity. Nature Medicine, 2019, 25, 507-516. | 15.2 | 79 |
| 24 | 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. | 3.3 | 3 |
| 25 | Patient Adipose Stem Cell-Derived Adipocytes Reveal Genetic Variation that Predicts Antidiabetic Drug Response. Cell Stem Cell, 2019, 24, 299-308.e6. | 5.2 | 27 |
| 26 | Integrative regulation of physiology by histone deacetylase 3. Nature Reviews Molecular Cell Biology, 2019, 20, 102-115. | 16.1 | 116 |
| 27 | Induction of Î± cellâ€“restricted Gc in dedifferentiating Î² cells contributes to stress-induced Î² cell dysfunction. JCI Insight, 2019, 4, . | 2.3 | 24 |
| 28 | 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, . | 0.1 | 0 |
| 29 | Rev-erbÎ± dynamically modulates chromatin looping to control circadian gene transcription. Science, 2018, 359, 1274-1277. | 6.0 | 171 |
| 30 | Toxicity of overexpressed MeCP2 is independent of HDAC3 activity. Genes and Development, 2018, 32, 1514-1524. | 2.7 | 23 |
| 31 | 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. | 3.3 | 280 |
| 32 | Î²â€Adrenergic receptors control brown adipose UCPâ€1 tone and cold response without affecting its circadian rhythmicity. FASEB Journal, 2018, 32, 5640-5646. | 0.2 | 27 |
| 33 | Diet-Induced Circadian Enhancer Remodeling Synchronizes Opposing Hepatic Lipid Metabolic Processes. Cell, 2018, 174, 831-842.e12. | 13.5 | 150 |
| 34 | PPARÎ³ is a nexus controlling alternative activation of macrophages via glutamine metabolism. Genes and Development, 2018, 32, 1035-1044. | 2.7 | 84 |
| 35 | Nighttime light exposure enhances Rev-erbÎ±-targeting microRNAs and contributes to hepatic steatosis. Metabolism: Clinical and Experimental, 2018, 85, 250-258. | 1.5 | 19 |
| 36 | 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. | 3.3 | 27 |

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|---|---|---|---|
| 37 | Reversing the curse on PPARÎ³. Journal of Clinical Investigation, 2018, 128, 2202-2204. | 3.9 | 14 |
| 38 | Regeneration of fat cells from myofibroblasts during wound healing. Science, 2017, 355, 748-752. | 6.0 | 434 |
| 39 | Unraveling the Regulation of Hepatic Metabolism by Insulin. Trends in Endocrinology and Metabolism, 2017, 28, 497-505. | 3.1 | 278 |
| 40 | Histone deacetylase 3 prepares brown adipose tissue for acute thermogenic challenge. Nature, 2017, 546, 544-548. | 13.7 | 149 |
| 41 | Deletion of histone deacetylase 3 in adult beta cells improves glucose tolerance via increased insulin secretion. Molecular Metabolism, 2017, 6, 30-37. | 3.0 | 44 |
| 42 | Dissociation of muscle insulin sensitivity from exercise endurance in mice by HDAC3 depletion. Nature Medicine, 2017, 23, 223-234. | 15.2 | 90 |
| 43 | Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. Cell, 2017, 171, 573-587.e14. | 13.5 | 162 |
| 44 | An HDAC3-PROX1 corepressor module acts on HNF4Î± to control hepatic triglycerides. Nature Communications, 2017, 8, 549. | 5.8 | 52 |
| 45 | The hepatic circadian clock fine-tunes the lipogenic response to feeding through RORÎ±/Î³. Genes and Development, 2017, 31, 1202-1211. | 2.7 | 64 |
| 46 | 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. | 3.3 | 51 |
| 47 | Targeting PPARÎ³ in the epigenome rescues genetic metabolic defects in mice. Journal of Clinical Investigation, 2017, 127, 1451-1462. | 3.9 | 47 |
| 48 | Maturing of the nuclear receptor family. Journal of Clinical Investigation, 2017, 127, 1123-1125. | 3.9 | 60 |
| 49 | Genetic and epigenomic mechanisms of mammalian circadian transcription. Nature Structural and Molecular Biology, 2016, 23, 1045-1052. | 3.6 | 80 |
| 50 | Genetic backgrounds determine brown remodeling of white fat in rodents. Molecular Metabolism, 2016, 5, 948-958. | 3.0 | 25 |
| 51 | Circadian time signatures of fitness and disease. Science, 2016, 354, 994-999. | 6.0 | 472 |
| 52 | HNF6 and Rev-erbÎ± integrate hepatic lipid metabolism by overlapping and distinct transcriptional mechanisms. Genes and Development, 2016, 30, 1636-1644. | 2.7 | 49 |
| 53 | Physiological Suppression of Lipotoxic Liver DamageÂby Complementary Actions of HDAC3 andÂSCAP/SREBP. Cell Metabolism, 2016, 24, 863-874. | 7.2 | 59 |
| 54 | The Nuclear Receptor Rev-erbÎ± Regulates Adipose Tissue-specific FGF21 Signaling. Journal of Biological Chemistry, 2016, 291, 10867-10875. | 1.6 | 29 |

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|---|---|---|---|
| 55 | Lactate Dehydrogenase C Produces S-2-Hydroxyglutarate in Mouse Testis. ACS Chemical Biology, 2016, 11, 2420-2427. | 1.6 | 37 |
| 56 | 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. | 3.1 | 85 |
| 57 | Hdac3 Interaction with p300 Histone Acetyltransferase Regulates the Oligodendrocyte and Astrocyte Lineage Fate Switch. Developmental Cell, 2016, 36, 316-330. | 3.1 | 90 |
| 58 | ATF4 licenses C/EBPÎ² activity in human mesenchymal stem cells primed for adipogenesis. ELife, 2015, 4, e06821. | 2.8 | 45 |
| 59 | Discrete functions of nuclear receptor Rev-erbÎ± couple metabolism to the clock. Science, 2015, 348, 1488-1492. | 6.0 | 268 |
| 60 | Genetic Variation Determines PPARÎ³ Function and Anti-diabetic Drug Response InÂVivo. Cell, 2015, 162, 33-44. | 13.5 | 107 |
| 61 | Macrophage-Derived Human Resistin Is Induced in Multiple Helminth Infections and Promotes Inflammatory Monocytes and Increased Parasite Burden. PLoS Pathogens, 2015, 11, e1004579. | 2.1 | 43 |
| 62 | Circadian Metabolism in the Light of Evolution. Endocrine Reviews, 2015, 36, 289-304. | 8.9 | 131 |
| 63 | Genomic redistribution of GR monomers and dimers mediates transcriptional response to exogenous glucocorticoid in vivo. Genome Research, 2015, 25, 836-844. | 2.4 | 146 |
| 64 | Dissecting the Rev-erbÎ± Cistrome and the Mechanisms Controlling Circadian Transcription in Liver. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 233-238. | 2.0 | 18 |
| 65 | MYC Disrupts the Circadian Clock and Metabolism in Cancer Cells. Cell Metabolism, 2015, 22, 1009-1019. | 7.2 | 217 |
| 66 | Histone deacetylase 3 modulates Tbx5 activity to regulate early cardiogenesis. Human Molecular Genetics, 2014, 23, 3801-3809. | 1.4 | 29 |
| 67 | PPARÎ³ and the global map of adipogenesis and beyond. Trends in Endocrinology and Metabolism, 2014, 25, 293-302. | 3.1 | 469 |
| 68 | Anti-diabetic rosiglitazone remodels the adipocyte transcriptome by redistributing transcription to PPARÎ³-driven enhancers. Genes and Development, 2014, 28, 1018-1028. | 2.7 | 88 |
| 69 | Circadian Enhancers Coordinate Multiple Phases of Rhythmic Gene Transcription InÂVivo. Cell, 2014, 159, 1140-1152. | 13.5 | 200 |
| 70 | Targeting macrophage Histone deacetylase 3 stabilizes atherosclerotic lesions. EMBO Molecular Medicine, 2014, 6, 1124-1132. | 3.3 | 140 |
| 71 | Nutrient-sensing nuclear receptors coordinate autophagy. Nature, 2014, 516, 112-115. | 13.7 | 412 |
| 72 | Nuclear receptor Rev-erbÎ±: up, down, and all around. Trends in Endocrinology and Metabolism, 2014, 25, 586-592. | 3.1 | 133 |

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| 73 | Behavioral Changes and Dopaminergic Dysregulation in Mice Lacking the Nuclear Receptor Rev-erbÎ±. Molecular Endocrinology, 2014, 28, 490-498. | 3.7 | 64 |
| 74 | Integrator Regulates Transcriptional Initiation and Pause Release following Activation. Molecular Cell, 2014, 56, 128-139. | 4.5 | 147 |
| 75 | Thiazolidinediones and the Promise of Insulin Sensitization in Type 2 Diabetes. Cell Metabolism, 2014, 20, 573-591. | 7.2 | 389 |
| 76 | Adenylyl Cyclase-Associated Protein 1 Is a Receptor for Human Resistin and Mediates Inflammatory Actions of Human Monocytes. Cell Metabolism, 2014, 19, 484-497. | 7.2 | 213 |
| 77 | Deacetylase-Independent Function of HDAC3 in Transcription and Metabolism Requires Nuclear Receptor Corepressor. Molecular Cell, 2013, 52, 769-782. | 4.5 | 208 |
| 78 | Nuclear receptor co-repressors are required for the histone-deacetylase activity of HDAC3Âin vivo. Nature Structural and Molecular Biology, 2013, 20, 182-187. | 3.6 | 164 |
| 79 | The nuclear receptor Rev-erbÎ± controls circadian thermogenic plasticity. Nature, 2013, 503, 410-413. | 13.7 | 228 |
| 80 | 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. | 3.3 | 81 |
| 81 | Rev-erbÎ± and Rev-erbÎ² coordinately protect the circadian clock and normal metabolic function. Genes and Development, 2012, 26, 657-667. | 2.7 | 427 |
| 82 | De-Meaning of Metabolism. Science, 2012, 336, 1651-1652. | 6.0 | 29 |
| 83 | Thyroid hormone stimulates hepatic lipid catabolism via activation of autophagy. Journal of Clinical Investigation, 2012, 122, 2428-2438. | 3.9 | 211 |
| 84 | A Circadian Rhythm Orchestrated by Histone Deacetylase 3 Controls Hepatic Lipid Metabolism. Science, 2011, 331, 1315-1319. | 6.0 | 596 |
| 85 | Histone deacetylase 3 is an epigenomic brake in macrophage alternative activation. Genes and Development, 2011, 25, 2480-2488. | 2.7 | 254 |
| 86 | Cell-Specific Determinants of Peroxisome Proliferator-Activated Receptor Î³ Function in Adipocytes and Macrophages. Molecular and Cellular Biology, 2010, 30, 2078-2089. | 1.1 | 189 |
| 87 | Negative feedback maintenance of heme homeostasis by its receptor, Rev-erbÎ±. Genes and Development, 2009, 23, 2201-2209. | 2.7 | 101 |
| 88 | Bifunctional Role of Rev-erbÎ± in Adipocyte Differentiation. Molecular and Cellular Biology, 2008, 28, 2213-2220. | 1.1 | 110 |
| 89 | Sweet Dreams for LXR. Cell Metabolism, 2007, 5, 159-161. | 7.2 | 26 |
| 90 | Rev-erbÎ±, a Heme Sensor That Coordinates Metabolic and Circadian Pathways. Science, 2007, 318, 1786-1789. | 6.0 | 643 |

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| 91 | 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 |
| 92 | How Obesity Causes Diabetes: Not a Tall Tale. Science, 2005, 307, 373-375. | 6.0 | 491 |
| 93 | The Many Faces of PPARÎ³. Cell, 2005, 123, 993-999. | 13.5 | 1,291 |
| 94 | PPARÎ³, 10Âyears later. Biochimie, 2005, 87, 9-13. | 1.3 | 133 |
| 95 | Regulation of Fasted Blood Glucose by Resistin. Science, 2004, 303, 1195-1198. | 6.0 | 640 |
| 96 | East meets West: an herbal tea finds a receptor. Journal of Clinical Investigation, 2004, 113, 23-25. | 3.9 | 32 |
| 97 | Mitochondrial remodeling in adipose tissue associated with obesity and treatment with rosiglitazone. Journal of Clinical Investigation, 2004, 114, 1281-1289. | 3.9 | 508 |
| 98 | Reply to â€œA â€œfutile cycleâ€•induced by thiazolidinediones in human adipose tissue?â€• Nature Medicine, 2003, 9, 812-812. | 15.2 | 1 |
| 99 | The N-CoR/Histone Deacetylase 3 Complex Is Required for Repression by Thyroid Hormone Receptor. Molecular and Cellular Biology, 2003, 23, 5122-5131. | 1.1 | 184 |
| 100 | Nuclear receptor corepressors. Nuclear Receptor Signaling, 2003, 1, nrs.01001. | 1.0 | 74 |
| 101 | Thyroid hormone action: a binding contract. Journal of Clinical Investigation, 2003, 112, 497-499. | 3.9 | 115 |
| 102 | Becoming fat. Genes and Development, 2002, 16, 1-5. | 2.7 | 51 |
| 103 | Progress in cardiovascular biology: PPAR for the course. Nature Medicine, 2001, 7, 23-24. | 15.2 | 67 |
| 104 | The hormone resistin links obesity to diabetes. Nature, 2001, 409, 307-312. | 13.7 | 4,167 |
| 105 | The SMRT and N-CoR Corepressors Are Activating Cofactors for Histone Deacetylase 3. Molecular and Cellular Biology, 2001, 21, 6091-6101. | 1.1 | 532 |
| 106 | The great repression. Journal of Cell Science, 2001, 114, 3793-3794. | 1.2 | 0 |
| 107 | One man's food. Nature, 2000, 407, 852-853. | 13.7 | 7 |
| 108 | TRANSCRIPTIONALCONTROL OFADIPOGENESIS. Annual Review of Nutrition, 2000, 20, 535-559. | 4.3 | 292 |

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| 109 | The Mechanism of Action of Thyroid Hormones. Annual Review of Physiology, 2000, 62, 439-466. | 5.6 | 605 |
| 110 | PPARγ in Adipocyte Differentiation. Journal of Animal Science, 1999, 77, 16. | 0.2 | 8 |
| 111 | The CoRNR motif controls the recruitment of corepressors by nuclear hormone receptors. Nature, 1999, 402, 93-96. | 13.7 | 584 |
| 112 | Transcriptional Activation and Repression by RORÎ±, an Orphan Nuclear Receptor Required for Cerebellar Development. Molecular Endocrinology, 1997, 11, 1737-1746. | 3.7 | 80 |
| 113 | Peroxisome Proliferator-Activated Receptor Î³1 Expression Is Induced during Cyclic Adenosine Monophosphate-Stimulated Differentiation of Alveolar Type II Pneumonocytes*. Endocrinology, 1997, 138, 3695-3703. | 1.4 | 54 |
| 114 | Peroxisome Proliferator-Activated Receptor Î³1 Expression Is Induced during Cyclic Adenosine Monophosphate-Stimulated Differentiation of Alveolar Type II Pneumonocytes. , 0, . | | 28 |