# Phillip E Scherer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4950451/publications.pdf

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|---|---|---|---|
| 227 papers | 14,097 citations | 19636 61 h-index | 26591 107 g-index |
| 237 all docs | 237 docs citations | 237 times ranked | 23662 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Receptor-mediated activation of ceramidase activity initiates the pleiotropic actions of adiponectin. Nature Medicine, 2011, 17, 55-63. | 15.2 | 751 |
| 2 | Obesity and cancerâ€"mechanisms underlying tumour progression and recurrence. Nature Reviews Endocrinology, 2014, 10, 455-465. | 4.3 | 575 |
| 3 | Adipocyte Inflammation Is Essential for Healthy Adipose Tissue Expansion and Remodeling. Cell Metabolism, 2014, 20, 103-118. | 7.2 | 525 |
| 4 | An FGF21-Adiponectin-Ceramide Axis Controls Energy Expenditure and Insulin Action in Mice. Cell Metabolism, 2013, 17, 790-797. | 7.2 | 443 |
| 5 | The cell biology of fat expansion. Journal of Cell Biology, 2015, 208, 501-512. | 2.3 | 428 |
| 6 | Adiponectin, the past two decades. Journal of Molecular Cell Biology, 2016, 8, 93-100. | 1.5 | 410 |
| 7 | Spliced X-Box Binding Protein 1 Couples the Unfolded Protein Response to Hexosamine Biosynthetic Pathway. Cell, 2014, 156, 1179-1192. | 13.5 | 317 |
| 8 | Endotrophin triggers adipose tissue fibrosis and metabolic dysfunction. Nature Communications, 2014, 5, 3485. | 5.8 | 263 |
| 9 | Hepatocyte Toll-like receptor 4 regulates obesity-induced inflammation and insulin resistance. Nature Communications, 2014, 5, 3878. | 5.8 | 236 |
| 10 | Hyperglycemia as a Risk Factor for Cancer Progression. Diabetes and Metabolism Journal, 2014, 38, 330. | 1.8 | 229 |
| 11 | Xbp1s in Pomc Neurons Connects ER Stress with Energy Balance and Glucose Homeostasis. Cell Metabolism, 2014, 20, 471-482. | 7.2 | 213 |
| 12 | Genetic Ablation of Caveolin-1 Confers Protection Against Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 98-105. | 1.1 | 206 |
| 13 | Specific Hepatic Sphingolipids Relate to Insulin Resistance, Oxidative Stress, and Inflammation in Nonalcoholic Steatohepatitis. Diabetes Care, 2018, 41, 1235-1243. | 4.3 | 203 |
| 14 | The Role of Adipocytes and Adipocyteâ€Like Cells in the Severity of COVIDâ€19 Infections. Obesity, 2020, 28, 1187-1190. | 1.5 | 201 |
| 15 | Beyond adiponectin and leptin: adipose tissue-derived mediators of inter-organ communication. Journal of Lipid Research, 2019, 60, 1648-1697. | 2.0 | 197 |
| 16 | Why does obesity cause diabetes?. Cell Metabolism, 2022, 34, 11-20. | 7.2 | 183 |
| 17 | Partial Leptin Reduction as an Insulin Sensitization and Weight Loss Strategy. Cell Metabolism, 2019, 30, 706-719.e6. | 7.2 | 179 |
| 18 | Metabolic Messengers: adiponectin. Nature Metabolism, 2019, 1, 334-339. | 5.1 | 177 |

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|---|---|---|---|
| 19 | An Adipose Tissue Atlas: An Image-Guided Identification of Human-like BAT and Beige Depots in Rodents. Cell Metabolism, 2018, 27, 252-262.e3. | 7.2 | 174 |
| 20 | Extracellular vesicle-based interorgan transport of mitochondria from energetically stressed adipocytes. Cell Metabolism, 2021, 33, 1853-1868.e11. | 7.2 | 165 |
| 21 | Obesity, Diabetes, and Cardiovascular Diseases. Circulation Research, 2016, 118, 1703-1705. | 2.0 | 164 |
| 22 | microRNA-17 family promotes polycystic kidney disease progression through modulation of mitochondrial metabolism. Nature Communications, 2017, 8, 14395. | 5.8 | 147 |
| 23 | The Transcriptional Response of the Islet to Pregnancy in Mice. Molecular Endocrinology, 2009, 23, 1702-1712. | 3.7 | 138 |
| 24 | Caveolae, transmembrane signalling and cellular transformation. Molecular Membrane Biology, 1995, 12, 121-124. | 2.0 | 135 |
| 25 | Adipokines Linking Obesity with Colorectal Cancer Risk in Postmenopausal Women. Cancer Research, 2012, 72, 3029-3037. | 0.4 | 135 |
| 26 | Low- and high-thermogenic brown adipocyte subpopulations coexist in murine adipose tissue. Journal of Clinical Investigation, 2019, 130, 247-257. | 3.9 | 134 |
| 27 | Beclin 2 Functions in Autophagy, Degradation of G Protein-Coupled Receptors, and Metabolism. Cell, 2013, 154, 1085-1099. | 13.5 | 130 |
| 28 | Brown adipose tissue derived VEGF-A modulates cold tolerance and energy expenditure. Molecular Metabolism, 2014, 3, 474-483. | 3.0 | 126 |
| 29 | Immunologic and endocrine functions of adipose tissue: implications for kidney disease. Nature Reviews Nephrology, 2018, 14, 105-120. | 4.1 | 121 |
| 30 | Differential glucose requirement in skin homeostasis and injury identifies a therapeutic target for psoriasis. Nature Medicine, 2018, 24, 617-627. | 15.2 | 117 |
| 31 | Reversible De-differentiation of Mature White Adipocytes into Preadipocyte-like Precursors during Lactation. Cell Metabolism, 2018, 28, 282-288.e3. | 7.2 | 116 |
| 32 | The Xbp1s/GalE axis links ER stress to postprandial hepatic metabolism. Journal of Clinical Investigation, 2013, 123, 455-468. | 3.9 | 115 |
| 33 | Melanocortin 4 receptors in autonomic neurons regulate thermogenesis and glycemia. Nature Neuroscience, 2014, 17, 911-913. | 7.1 | 114 |
| 34 | The many secret lives of adipocytes: implications for diabetes. Diabetologia, 2019, 62, 223-232. | 2.9 | 114 |
| 35 | Distinct regulatory mechanisms governing embryonic versus adult adipocyte maturation. Nature Cell Biology, 2015, 17, 1099-1111. | 4.6 | 111 |
| 36 | Grb10 Promotes Lipolysis and Thermogenesis by Phosphorylation-Dependent Feedback Inhibition of mTORC1. Cell Metabolism, 2014, 19, 967-980. | 7.2 | 106 |

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|---|---|---|---|
| 37 | Thromboxane A2 is a key regulator of pathogenesis during Trypanosoma cruzi infection. Journal of Experimental Medicine, 2007, 204, 929-940. | 4.2 | 103 |
| 38 | Fasting selectively blocks development of acute lymphoblastic leukemia via leptin-receptor upregulation. Nature Medicine, 2017, 23, 79-90. | 15.2 | 101 |
| 39 | ATR/TEM8 is highly expressed in epithelial cells liningBacillus anthracisâ€™three sites of entry: implications for the pathogenesis of anthrax infection. American Journal of Physiology - Cell Physiology, 2005, 288, C1402-C1410. | 2.1 | 98 |
| 40 | Cellular Origins of Beige Fat Cells Revisited. Diabetes, 2019, 68, 1874-1885. | 0.3 | 98 |
| 41 | Dermal Adipocytes: From Irrelevance to Metabolic Targets?. Trends in Endocrinology and Metabolism, 2016, 27, 1-10. | 3.1 | 97 |
| 42 | Constitutive and Growth Factor-Regulated Phosphorylation of Caveolin-1 Occurs at the Same Site (Tyr-14) in Vivo: Identification of a c-Src/Cav-1/Grb7 Signaling Cassette. , 0, . | | 93 |
| 43 | An adipo-biliary-uridine axis that regulates energy homeostasis. Science, 2017, 355, . | 6.0 | 90 |
| 44 | The Role of Proprotein Convertase Subtilisin/Kexin Type 9 in Nephrotic Syndrome-Associated Hypercholesterolemia. Circulation, 2016, 134, 61-72. | 1.6 | 89 |
| 45 | 5-HT2CRs expressed by pro-opiomelanocortin neurons regulate insulin sensitivity in liver. Nature Neuroscience, 2010, 13, 1457-1459. | 7.1 | 87 |
| 46 | Selective enhancement of insulin sensitivity in the mature adipocyte is sufficient for systemic metabolic improvements. Nature Communications, 2015, 6, 7906. | 5.8 | 87 |
| 47 | VEGF-Aâ€“Expressing Adipose Tissue Shows Rapid Beiging and Enhanced Survival After Transplantation and Confers IL-4â€“Independent Metabolic Improvements. Diabetes, 2017, 66, 1479-1490. | 0.3 | 87 |
| 48 | Structure-guided Development of Specific Pyruvate Dehydrogenase Kinase Inhibitors Targeting the ATP-binding Pocket. Journal of Biological Chemistry, 2014, 289, 4432-4443. | 1.6 | 85 |
| 49 | Adipose Tissue: A Safe Haven for Parasites?. Trends in Parasitology, 2017, 33, 276-284. | 1.5 | 84 |
| 50 | A Prospective Study of Inflammation Markers and Endometrial Cancer Risk in Postmenopausal Hormone Nonusers. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 971-977. | 1.1 | 83 |
| 51 | Circulating Adipokines and Inflammatory Markers and Postmenopausal Breast Cancer Risk. Journal of the National Cancer Institute, 2015, 107, . | 3.0 | 83 |
| 52 | Connexin 43 Mediates White Adipose Tissue Beiging by Facilitating the Propagation of Sympathetic Neuronal Signals. Cell Metabolism, 2016, 24, 420-433. | 7.2 | 80 |
| 53 | Hyperglycemia in rodent models of type 2 diabetes requires insulin-resistant alpha cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13217-13222. | 3.3 | 78 |
| 54 | <scp>MED</scp>13â€dependent signaling from the heart confers leanness by enhancing metabolism in adipose tissue and liver. EMBO Molecular Medicine, 2014, 6, 1610-1621. | 3.3 | 77 |

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|---|---|---|---|
| 55 | Raceâ€“ethnic differences in adipokine levels: the Study of Women's Health Across the Nation (SWAN). Metabolism: Clinical and Experimental, 2012, 61, 1261-1269. | 1.5 | 76 |
| 56 | Adiponectin regulates contextual fear extinction and intrinsic excitability of dentate gyrus granule neurons through AdipoR2 receptors. Molecular Psychiatry, 2017, 22, 1044-1055. | 4.1 | 76 |
| 57 | Adipocyte-Specific Deletion of Manganese Superoxide Dismutase Protects From Diet-Induced Obesity Through Increased Mitochondrial Uncoupling and Biogenesis. Diabetes, 2016, 65, 2639-2651. | 0.3 | 75 |
| 58 | Adiponectin is essential for lipid homeostasis and survival under insulin deficiency and promotes Î²-cell regeneration. ELife, 2014, 3, . | 2.8 | 74 |
| 59 | Obesity and diabetes as comorbidities for COVID-19: Underlying mechanisms and the role of viralâ€“bacterial interactions. ELife, 2020, 9, . | 2.8 | 69 |
| 60 | First Clinical Release of an Online, Adaptive, Aperture-Based Image-Guided Radiotherapy Strategy in Intensity-Modulated Radiotherapy to Correct for Inter- and Intrafractional Rotations of the Prostate. International Journal of Radiation Oncology Biology Physics, 2012, 83, 1624-1632. | 0.4 | 67 |
| 61 | Relation of plasma ceramides to visceral adiposity, insulin resistance and the development of type 2 diabetes mellitus: the Dallas Heart Study. Diabetologia, 2018, 61, 2570-2579. | 2.9 | 67 |
| 62 | Within-Individual Stability of Obesity-Related Biomarkers among Women. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1291-1293. | 1.1 | 65 |
| 63 | HDAC11 suppresses the thermogenic program of adipose tissue via BRD2. JCI Insight, 2018, 3, . | 2.3 | 65 |
| 64 | Adiponectin is an endogenous anti-fibrotic mediator and therapeutic target. Scientific Reports, 2017, 7, 4397. | 1.6 | 64 |
| 65 | Leptin and cancer: from cancer stem cells to metastasis. Endocrine-Related Cancer, 2011, 18, C25-C29. | 1.6 | 59 |
| 66 | Renal tubular cell spliced X-box binding protein 1 (Xbp1s) has a unique role in sepsis-induced acute kidney injury and inflammation. Kidney International, 2019, 96, 1359-1373. | 2.6 | 56 |
| 67 | Critical Role of Matrix Metalloproteinase 14 in Adipose Tissue Remodeling during Obesity. Molecular and Cellular Biology, 2020, 40, . | 1.1 | 56 |
| 68 | PPARÎ³ in Vagal Neurons Regulates High-Fat Diet Induced Thermogenesis. Cell Metabolism, 2014, 19, 722-730. | 7.2 | 55 |
| 69 | Effects of Adiponectin on Calcium-Handling Proteins in Heart Failure With Preserved Ejection Fraction. Circulation: Heart Failure, 2014, 7, 976-985. | 1.6 | 54 |
| 70 | Proteinuria Increases Plasma Phosphate by Altering Its Tubular Handling. Journal of the American Society of Nephrology: JASN, 2015, 26, 1608-1618. | 3.0 | 53 |
| 71 | Adiponectin potentiates the acute effects of leptin in arcuate Pomc neurons. Molecular Metabolism, 2016, 5, 882-891. | 3.0 | 53 |
| 72 | Vascular Endothelial Growth Factorâ€“DÂ(VEGF-D) Overexpression and Lymphatic Expansion in Murine Adipose Tissue Improves Metabolism in Obesity. American Journal of Pathology, 2019, 189, 924-939. | 1.9 | 53 |

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|---|---|---|---|
| 73 | XBP1S Regulates MUC5B in a Promoter Variantâ€“Dependent Pathway in Idiopathic Pulmonary Fibrosis Airway Epithelia. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 220-234. | 2.5 | 53 |
| 74 | Adipose tissue fatty acid chain length and mono-unsaturation increases with obesity and insulin resistance. Scientific Reports, 2015, 5, 18366. | 1.6 | 50 |
| 75 | Dermal adipocytes and hair cycling: is spatial heterogeneity a characteristic feature of the dermal adipose tissue depot?. Experimental Dermatology, 2016, 25, 258-262. | 1.4 | 50 |
| 76 | Adipocyte iron levels impinge on a fat-gut crosstalk to regulate intestinal lipid absorption and mediate protection from obesity. Cell Metabolism, 2021, 33, 1624-1639.e9. | 7.2 | 50 |
| 77 | Heart Failure With Preserved Ejection Fraction Induces Beiging in Adipose Tissue. Circulation: Heart Failure, 2016, 9, e002724. | 1.6 | 49 |
| 78 | MitoNEET-dependent formation of intermitochondrial junctions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8277-8282. | 3.3 | 49 |
| 79 | Adiponectin modulates ventral tegmental area dopamine neuron activity and anxiety-related behavior through AdipoR1. Molecular Psychiatry, 2019, 24, 126-144. | 4.1 | 49 |
| 80 | Partial leptin deficiency confers resistance to diet-induced obesity in mice. Molecular Metabolism, 2020, 37, 100995. | 3.0 | 49 |
| 81 | Rgs16 and Rgs8 in embryonic endocrine pancreas and mouse models of diabetes. DMM Disease Models and Mechanisms, 2010, 3, 567-580. | 1.2 | 48 |
| 82 | Human endotrophin as a driver of malignant tumor growth. JCI Insight, 2019, 4, . | 2.3 | 48 |
| 83 | Skin aging: are adipocytes the next target?. Aging, 2016, 8, 1457-1469. | 1.4 | 48 |
| 84 | Intermittent Hypoxia Exacerbates Pancreatic Î²-Cell Dysfunction in A Mouse Model of Diabetes Mellitus. Sleep, 2013, 36, 1849-1858. | 0.6 | 47 |
| 85 | Suppressing adipocyte inflammation promotes insulin resistance in mice. Molecular Metabolism, 2020, 39, 101010. | 3.0 | 47 |
| 86 | Adiponectin Decreases Pulmonary Arterial Remodeling in Murine Models of Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 340-347. | 1.4 | 46 |
| 87 | Adiponectin alters renal calcium and phosphate excretion through regulation of klotho expression. Kidney International, 2017, 91, 324-337. | 2.6 | 45 |
| 88 | Cyclin D1 Restrains Oncogene-Induced Autophagy by Regulating the AMPKâ€“LKB1 Signaling Axis. Cancer Research, 2017, 77, 3391-3405. | 0.4 | 45 |
| 89 | Skin aging as a mechanical phenomenon: The main weak links. Nutrition and Healthy Aging, 2018, 4, 291-307. | 0.5 | 45 |
| 90 | Obesity dysregulates fasting-induced changes in glucagon secretion. Journal of Endocrinology, 2019, 243, 149-160. | 1.2 | 44 |

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|---|---|---|---|
| 91 | The adipokine/ceramide axis: Key aspects of insulin sensitization. Biochimie, 2014, 96, 130-139. | 1.3 | 43 |
| 92 | Conditional MitoTimer reporter mice for assessment of mitochondrial structure, oxidative stress, and mitophagy. Mitochondrion, 2019, 44, 20-26. | 1.6 | 43 |
| 93 | The Role of Immature and Mature Adipocytes in Hair Cycling. Trends in Endocrinology and Metabolism, 2019, 30, 93-105. | 3.1 | 42 |
| 94 | Hyaluronan in adipogenesis, adipose tissue physiology and systemic metabolism. Matrix Biology, 2019, 78-79, 284-291. | 1.5 | 41 |
| 95 | Spliced X-box Binding Protein 1 Stimulates Adaptive Growth Through Activation of mTOR. Circulation, 2019, 140, 566-579. | 1.6 | 40 |
| 96 | The Role of Ceramides in Diabetes and Cardiovascular Disease Regulation of Ceramides by Adipokines. Frontiers in Endocrinology, 2020, 11, 569250. | 1.5 | 40 |
| 97 | ERÎ± upregulates Phd3 to ameliorate HIF-1 induced fibrosis and inflammation in adipose tissue. Molecular Metabolism, 2014, 3, 642-651. | 3.0 | 39 |
| 98 | Dysregulation of amyloid precursor protein impairs adipose tissue mitochondrial function and promotes obesity. Nature Metabolism, 2019, 1, 1243-1257. | 5.1 | 39 |
| 99 | Integrated Stress Response Couples Mitochondrial Protein Translation With Oxidative Stress Control. Circulation, 2021, 144, 1500-1515. | 1.6 | 39 |
| 100 | Differential Binding of Cross-Reactive Anti-DNA Antibodies to Mesangial Cells: The Role of Î±-Actinin. Journal of Immunology, 2006, 176, 7704-7714. | 0.4 | 38 |
| 101 | Effect of pioglitazone on plasma ceramides in adults with metabolic syndrome. Diabetes/Metabolism Research and Reviews, 2015, 31, 734-744. | 1.7 | 37 |
| 102 | Adiponectin preserves metabolic fitness during aging. ELife, 2021, 10, . | 2.8 | 37 |
| 103 | SF-1 expression in the hypothalamus is required for beneficial metabolic effects of exercise. ELife, 2016, 5, . | 2.8 | 37 |
| 104 | High-Phosphate Diet Induces Exercise Intolerance and Impairs Fatty Acid Metabolism in Mice. Circulation, 2019, 139, 1422-1434. | 1.6 | 36 |
| 105 | Ceramides and cardiac function in children with chronic kidney disease. Pediatric Nephrology, 2014, 29, 415-422. | 0.9 | 35 |
| 106 | Hepatocyte toll-like receptor 4 deficiency protects against alcohol-induced fatty liver disease. Molecular Metabolism, 2018, 14, 121-129. | 3.0 | 35 |
| 107 | Hepatocyte Growth Factor and the Risk of Ischemic Stroke Developing Among Postmenopausal Women. Stroke, 2010, 41, 857-862. | 1.0 | 34 |
| 108 | Adipose HIF-1Î± causes obesity by suppressing brown adipose tissue thermogenesis. Journal of Molecular Medicine, 2017, 95, 287-297. | 1.7 | 34 |

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|---|---|---|---|
| 109 | Adipocyte Xbp1s overexpression drives uridine production and reduces obesity. Molecular Metabolism, 2018, 11, 1-17. | 3.0 | 34 |
| 110 | The Anatomical Basis for Wrinkles. Aesthetic Surgery Journal, 2014, 34, 227-234. | 0.9 | 33 |
| 111 | Peroxisome Proliferator-Activated Receptor Î³ and Its Role in Adipocyte Homeostasis and Thiazolidinedione-Mediated Insulin Sensitization. Molecular and Cellular Biology, 2018, 38, . | 1.1 | 33 |
| 112 | Mitochondrial metabolism is a key regulator of the fibro-inflammatory and adipogenic stromal subpopulations in white adipose tissue. Cell Stem Cell, 2021, 28, 702-717.e8. | 5.2 | 33 |
| 113 | Short-Term Versus Long-Term Effects of Adipocyte Toll-Like Receptor 4 Activation on Insulin Resistance in Male Mice. Endocrinology, 2017, 158, 1260-1270. | 1.4 | 31 |
| 114 | Endotrophin, a multifaceted player in metabolic dysregulation and cancer progression, is a predictive biomarker for the response to PPARÎ³ agonist treatment. Diabetologia, 2017, 60, 24-29. | 2.9 | 31 |
| 115 | Intercellular and interorgan crosstalk through adipocyte extracellular vesicles. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 61-69. | 2.6 | 31 |
| 116 | SREBP-regulated adipocyte lipogenesis is dependent on substrate availability and redox modulation of mTORC1. JCI Insight, 2019, 4, . | 2.3 | 31 |
| 117 | Adipocytes in both brown and white adipose tissue of adult mice are functionally connected via gap junctions: implications for Chagas disease. Microbes and Infection, 2014, 16, 893-901. | 1.0 | 30 |
| 118 | Glucose-regulated protein 78 is essential for cardiac myocyte survival. Cell Death and Differentiation, 2018, 25, 2181-2194. | 5.0 | 30 |
| 119 | COL6A3â€derived endotrophin links reciprocal interactions among hepatic cells in the pathology of chronic liver disease. Journal of Pathology, 2019, 247, 99-109. | 2.1 | 30 |
| 120 | Diffuse vesicular distribution of Rab3D in the polarized neuroendocrine cell line AtT-20. FEBS Letters, 1995, 368, 271-275. | 1.3 | 29 |
| 121 | Cyclin and Caveolin Expression in an Acute Model of Murine Chagasic Myocarditis. Cell Cycle, 2006, 5, 107-112. | 1.3 | 29 |
| 122 | Serum Amyloid A3 Gene Expression in Adipocytes is an Indicator of the Interaction with Macrophages. Scientific Reports, 2016, 6, 38697. | 1.6 | 29 |
| 123 | Preexisting and inducible endotoxemia as crucial contributors to the severity of COVID-19 outcomes. PLoS Pathogens, 2021, 17, e1009306. | 2.1 | 29 |
| 124 | Comparison of two different rectal spacers in prostate cancer external beam radiotherapy in terms of rectal sparing and volume consistency. Radiotherapy and Oncology, 2015, 116, 221-225. | 0.3 | 27 |
| 125 | Sex differences in adult rat insulin and glucose responses to arginine: programming effects of neonatal separation, hypoxia, and hypothermia. Physiological Reports, 2016, 4, e12972. | 0.7 | 27 |
| 126 | Hyaluronan in adipose tissue: Beyond dermal filler and therapeutic carrier. Science Translational Medicine, 2016, 8, 323ps4. | 5.8 | 27 |

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|---|---|---|---|
| 127 | Evolutionarily Conserved Role of Calcineurin in Phosphodegron-Dependent Degradation of Phosphodiesterase 4D. Molecular and Cellular Biology, 2010, 30, 4379-4390. | 1.1 | 26 |
| 128 | Dapagliflozin suppresses glucagon signaling in rodent models of diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6611-6616. | 3.3 | 26 |
| 129 | Adiponectin protects against incident hypertension independent of body fat distribution: observations from the Dallas Heart Study. Diabetes/Metabolism Research and Reviews, 2017, 33, e2840. | 1.7 | 26 |
| 130 | Caveolin-1 as a pathophysiological factor and target in psoriasis. Npj Aging and Mechanisms of Disease, 2019, 5, 4. | 4.5 | 26 |
| 131 | A feed-forward regulatory loop in adipose tissue promotes signaling by the hepatokine FGF21. Genes and Development, 2021, 35, 133-146. | 2.7 | 26 |
| 132 | ATF4 Protects the Heart From Failure by Antagonizing Oxidative Stress. Circulation Research, 2022, 131, 91-105. | 2.0 | 26 |
| 133 | Associations of testosterone and sex hormone binding globulin with adipose tissue hormones in midlife women. Obesity, 2013, 21, 629-636. | 1.5 | 25 |
| 134 | The dysfunctional adipocyte â€" a cancer cell's best friend. Nature Reviews Endocrinology, 2018, 14, 132-134. | 4.3 | 25 |
| 135 | Adipocyte Gs but not Gi signaling regulates whole-body glucose homeostasis. Molecular Metabolism, 2019, 27, 11-21. | 3.0 | 25 |
| 136 | Caveolin-1 in skin aging â€“ From innocent bystander to major contributor. Ageing Research Reviews, 2019, 55, 100959. | 5.0 | 25 |
| 137 | The impact of endotrophin on the progression of chronic liver disease. Experimental and Molecular Medicine, 2020, 52, 1766-1776. | 3.2 | 25 |
| 138 | Hepatic GALE Regulates Whole-Body Glucose Homeostasis by Modulating Tff3 Expression. Diabetes, 2017, 66, 2789-2799. | 0.3 | 24 |
| 139 | PKM1 Exerts Critical Roles in Cardiac Remodeling Under Pressure Overload in the Heart. Circulation, 2021, 144, 712-727. | 1.6 | 23 |
| 140 | Cannabinoid receptor 1 signaling in hepatocytes and stellate cells does not contribute to NAFLD. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 23 |
| 141 | Lumenal protein sorting to the constitutive secretory pathway of a regulated secretory cell. Journal of Cell Science, 2006, 119, 1833-1842. | 1.2 | 22 |
| 142 | Retrograde Lymph Flow Leads to Chylothorax in Transgenic Mice with Lymphatic Malformations. American Journal of Pathology, 2017, 187, 1984-1997. | 1.9 | 22 |
| 143 | Lowering ceramides to overcome diabetes. Science, 2019, 365, 319-320. | 6.0 | 22 |
| 144 | Caveolin-1 as a target in prevention and treatment of hypertrophic scarring. Npj Regenerative Medicine, 2019, 4, 9. | 2.5 | 22 |

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|---|---|---|---|
| 145 | Loss of the liver X receptor LXRÎ±/Î² in peripheral sensory neurons modifies energy expenditure. ELife, 2015, 4, . | 2.8 | 21 |
| 146 | Glucagon therapeutics: Dawn of a new era for diabetes care. Diabetes/Metabolism Research and Reviews, 2016, 32, 660-665. | 1.7 | 20 |
| 147 | Are dermal adipocytes involved in psoriasis?. Experimental Dermatology, 2016, 25, 812-813. | 1.4 | 20 |
| 148 | Remodeling of Murine Mammary Adipose Tissue during Pregnancy, Lactation, and Involution. Journal of Mammary Gland Biology and Neoplasia, 2019, 24, 207-212. | 1.0 | 20 |
| 149 | Serum adiponectin is related to plasma high-density lipoprotein cholesterol but not to plasma insulin-concentration in healthy children: the FLVS II study. Metabolism: Clinical and Experimental, 2006, 55, 1171-1176. | 1.5 | 19 |
| 150 | Role of Extracellular Signal-regulated Kinase 5 in Adipocyte Signaling. Journal of Biological Chemistry, 2014, 289, 6311-6322. | 1.6 | 19 |
| 151 | Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. FASEB Journal, 2020, 34, 2087-2104. | 0.2 | 19 |
| 152 | Role of ceramide-to-dihydroceramide ratios for insulin resistance and non-alcoholic fatty liver disease in humans. BMJ Open Diabetes Research and Care, 2020, 8, e001860. | 1.2 | 19 |
| 153 | Adipocyteâ€myofibroblast transition as a possible pathophysiological step in androgenetic alopecia. Experimental Dermatology, 2017, 26, 522-523. | 1.4 | 18 |
| 154 | Dermal adipocytes contribute to the metabolic regulation of dermal fibroblasts. Experimental Dermatology, 2021, 30, 102-111. | 1.4 | 18 |
| 155 | General theory of skin reinforcement. PLoS ONE, 2017, 12, e0182865. | 1.1 | 18 |
| 156 | Differential transendothelial transport of adiponectin complexes. Cardiovascular Diabetology, 2014, 13, 47. | 2.7 | 17 |
| 157 | Characterization of ALTO-encoding circular RNAs expressed by Merkel cell polyomavirus and trichodysplasia spinulosa polyomavirus. PLoS Pathogens, 2021, 17, e1009582. | 2.1 | 17 |
| 158 | Ablation of Calcineurin AÎ² Reveals Hyperlipidemia and Signaling Cross-talks with Phosphodiesterases. Journal of Biological Chemistry, 2013, 288, 3477-3488. | 1.6 | 16 |
| 159 | Peroxisome proliferator-activated receptor Î³ agonists inhibit adipocyte expression of Î±1-acid glycoprotein. Cell Biology International, 2007, 31, 586-591. | 1.4 | 15 |
| 160 | The MMP14â€“caveolin axis and its potential relevance for lipoedema. Nature Reviews Endocrinology, 2020, 16, 669-674. | 4.3 | 15 |
| 161 | Adipose tissue hyaluronan production improves systemic glucose homeostasis and primes adipocytes for CL 316,243-stimulated lipolysis. Nature Communications, 2021, 12, 4829. | 5.8 | 15 |
| 162 | Predominant expression of the mitochondrial dicarboxylate carrier in white adipose tissue. Biochemical Journal, 1999, 344, 313. | 1.7 | 14 |

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|---|---|---|---|
| 163 | Fat tissue regulates the pathogenesis and severity of cardiomyopathy in murine chagas disease. PLoS Neglected Tropical Diseases, 2021, 15, e0008964. | 1.3 | 14 |
| 164 | Management of cranial and craniofacial bone defects with prefabricated individual titanium implants: follow-up and evaluation of 166 patients with 169 titanium implants from 1994 to 2000. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 197-203. | 1.7 | 13 |
| 165 | Dietary n-3 polyunsaturated fatty acids fail to reduce prostate tumorigenesis in the PB-ErbB-2 x Pten<sup>+/-</sup>preclinical mouse model. Cell Cycle, 2010, 9, 1824-1829. | 1.3 | 13 |
| 166 | Adiponectin. Circulation Research, 2016, 119, 407-408. | 2.0 | 13 |
| 167 | Imaging Metabolically Active Fat: A Literature Review and Mechanistic Insights. International Journal of Molecular Sciences, 2019, 20, 5509. | 1.8 | 13 |
| 168 | Caveolin as a Universal Target in Dermatology. International Journal of Molecular Sciences, 2020, 21, 80. | 1.8 | 13 |
| 169 | Regulation of cold-induced thermogenesis by the RNA binding protein FAM195A. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 13 |
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