Paul S Maclean

List of Publications by Year
in descending order

108 papers	6,101 citations	61984 43 h-index	74163 75 g-index
111 all docs	111 docs citations	111 times ranked	8780 citing authors

#	Article	IF	Citations
1	Weight loss and cystic disease progression in autosomal dominant polycystic kidney disease. IScience, 2022, 25, 103697.	4.1	16
2	Short-Term Adaptations in Skeletal Muscle Mitochondrial Oxidative Capacity and Metabolic Pathways to Breaking up Sedentary Behaviors in Overweight or Obese Adults. Nutrients, 2022, 14, 454.	4.1	4
3	Estrogens and Progestins Cooperatively Shift Breast Cancer Cell Metabolism. Cancers, 2022, 14, 1776.	3.7	6
4	Hematopoietic Stem Cell-Derived Adipocytes Modulate Adipose Tissue Cellularity, Leptin Production and Insulin Responsiveness in Female Mice. Frontiers in Endocrinology, 2022, 13, .	3.5	1
5	Preventing ovariectomy-induced weight gain decreases tumor burden in rodent models of obesity and postmenopausal breast cancer. Breast Cancer Research, 2022, 24, .	5.0	6
6	Vasopressin mediates fructose-induced metabolic syndrome by activating the V1b receptor. JCI Insight, 2021, 6, .	5.0	32
7	Lipoprotein Lipase Overexpression in Skeletal Muscle Attenuates Weight Regain by Potentiating Energy Expenditure. Diabetes, 2021, 70, 867-877.	0.6	3
8	Multiomic Predictors of Shortâ€Term Weight Loss and Clinical Outcomes During a Behavioralâ€Based Weight Loss Intervention. Obesity, 2021, 29, 859-869.	3.0	9
9	Sex differences in the effect of diet, obesity, and exercise on bone quality and fracture toughness. Bone, 2021, 145, 115840.	2.9	14
10	Breast Cancer Endocrine Therapy Exhausts Adipocyte Progenitors Promoting Weight Gain and Glucose Intolerance. Journal of the Endocrine Society, 2021, 5, A41-A41.	0.2	0
11	Breast Cancer Endocrine Therapy Promotes Weight Gain With Distinct Adipose Tissue Effects in Lean and Obese Female Mice. Endocrinology, 2021, 162, .	2.8	14
12	Weight and body composition changes affect resting energy expenditure predictive equations during a 12â€month weightâ€loss intervention. Obesity, 2021, 29, 1596-1605.	3.0	6
13	The Gut Microbiota during a Behavioral Weight Loss Intervention. Nutrients, 2021, 13, 3248.	4.1	23
14	Single Cell RNA Sequencing of Human Milk-Derived Cells Reveals Sub-Populations of Mammary Epithelial Cells with Molecular Signatures of Progenitor and Mature States: a Novel, Non-invasive Framework for Investigating Human Lactation Physiology. Journal of Mammary Gland Biology and Neoplasia, 2020, 25, 367-387.	2.7	33
15	Compensatory eating behaviors in male and female rats in response to exercise training. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R171-R183.	1.8	15
16	Kynurenic Acid Protects Against Ischemia/Reperfusion-Induced Retinal Ganglion Cell Death in Mice. International Journal of Molecular Sciences, 2020, 21, 1795.	4.1	11
17	The In Vivo Net Energy Content of Resistant Starch and Its Effect on Macronutrient Oxidation in Healthy Adults. Nutrients, 2019, 11, 2484.	4.1	13
18	Regular exercise potentiates energetically expensive hepatic de novo lipogenesis during early weight regain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R684-R695.	1.8	5

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19	Compensation for cold-induced thermogenesis during weight loss maintenance and regain. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E977-E986.	3.5	7
20	Liver X receptor-Î± activation enhances cholesterol secretion in lactating mammary epithelium. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E1136-E1145.	3.5	6
21	Physical Activity Energy Expenditure and Total Daily Energy Expenditure in Successful Weight Loss Maintainers. Obesity, 2019, 27, 496-504.	3.0	51
22	Impact of Exercise and Activity on Weight Regain and Musculoskeletal Health Post-Ovariectomy. Medicine and Science in Sports and Exercise, 2019, 51, 2465-2473.	0.4	8
23	High salt intake causes leptin resistance and obesity in mice by stimulating endogenous fructose production and metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3138-3143.	7.1	183
24	Is regular exercise an effective strategy for weight loss maintenance?. Physiology and Behavior, 2018, 188, 86-93.	2.1	82
25	Accumulating Data to Optimally Predict Obesity Treatment (ADOPT): Recommendations from the Biological Domain. Obesity, 2018, 26, S25-S34.	3.0	23
26	The Accumulating Data to Optimally Predict Obesity Treatment (ADOPT) Core Measures Project: Rationale and Approach. Obesity, 2018, 26, S6-S15.	3.0	124
27	Maternal obesity during lactation may protect offspring from high fat diet-induced metabolic dysfunction. Nutrition and Diabetes, 2018, 8, 18.	3.2	36
28	Low Neonatal Plasma n-6/n-3 PUFA Ratios Regulate Offspring Adipogenic Potential and Condition Adult Obesity Resistance. Diabetes, 2018, 67, 651-661.	0.6	33
29	No consistent evidence of a disproportionately low resting energy expenditure in long-term successful weight-loss maintainers. American Journal of Clinical Nutrition, 2018, 108, 658-666.	4.7	17
30	Metformin inhibits stromal aromatase expression and tumor progression in a rodent model of postmenopausal breast cancer. Breast Cancer Research, 2018, 20, 50.	5.0	39
31	Different Risk for Hypertension, Diabetes, Dyslipidemia, and Hyperuricemia According to Level of Body Mass Index in Japanese and American Subjects. Nutrients, 2018, 10, 1011.	4.1	113
32	FGFR1 underlies obesity-associated progression of estrogen receptorâ€“positive breast cancer after estrogen deprivation. JCI Insight, 2018, 3, .	5.0	34
33	Intracellular localization of diacylglycerols and sphingolipids influences insulin sensitivity and mitochondrial function in human skeletal muscle. JCI Insight, 2018, 3, .	5.0	119
34	Role of fructose and fructokinase in acute dehydration-induced vasopressin gene expression and secretion in mice. Journal of Neurophysiology, 2017, 117, 646-654.	1.8	44
35	Biological control of appetite: A daunting complexity. Obesity, 2017, 25, S8-S16.	3.0	94
36	Metformin Accumulation Correlates with Organic Cation Transporter 2 Protein Expression and Predicts Mammary Tumor Regression In Vivo. Cancer Prevention Research, 2017, 10, 198-207.	1.5	37

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37	Ibuprofen before Exercise Does Not Prevent Cortical Bone Adaptations to Training. Medicine and Science in Sports and Exercise, 2017, 49, 888-895.	0.4	7
38	The Androgen Receptor Supports Tumor Progression After the Loss of Ovarian Function in a Preclinical Model of Obesity and Breast Cancer. Hormones and Cancer, 2017, 8, 269-285.	4.9	14
39	Prior weight loss exacerbates the biological drive to gain weight after the loss of ovarian function. Physiological Reports, 2017, 5, e13272.	1.7	8
40	Early infant adipose deposition is positively associated with the n-6 to n-3 fatty acid ratio in human milk independent of maternal BMI. International Journal of Obesity, 2017, 41, 510-517.	3.4	75
41	2536. Journal of Clinical and Translational Science, 2017, 1, 11-11.	0.6	0
42	Modeling Diet-Induced Obesity with Obesity-Prone Rats: Implications for Studies in Females. Frontiers in Nutrition, 2016, 3, 50.	3.7	53
43	Exercise Decreases Lipogenic Gene Expression in Adipose Tissue and Alters Adipocyte Cellularity during Weight Regain After Weight Loss. Frontiers in Physiology, 2016, 7, 32.	2.8	23
44	Human Milk Fatty Acid Composition: Comparison of Novel Dried Milk Spot Versus Standard Liquid Extraction Methods. Journal of Mammary Gland Biology and Neoplasia, 2016, 21, 131-138.	2.7	12
45	The â€œmetabolic sensorâ€•function of rat supraoptic oxytocin and vasopressin neurons is attenuated during lactation but not in diet-induced obesity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R337-R345.	1.8	12
46	Increased aerobic capacity reduces susceptibility to acute highâ€fat dietâ€induced weight gain. Obesity, 2016, 24, 1929-1937.	3.0	17
47	A randomized pilot study comparing zeroâ€calorie alternateâ€day fasting to daily caloric restriction in adults with obesity. Obesity, 2016, 24, 1874-1883.	3.0	214
48	Weight restoration on a high carbohydrate refeeding diet promotes rapid weight regain and hepatic lipid accumulation in female anorexic rats. Nutrition and Metabolism, 2016, 13, 18.	3.0	6
49	Perilipin-2 Modulates Lipid Absorption and Microbiome Responses in the Mouse Intestine. PLoS ONE, 2015, 10, e0131944.	2.5	43
50	NIH working group report: Innovative research to improve maintenance of weight loss. Obesity, 2015, 23, 7-15.	3.0	405
51	Lactation and its Hormonal Control. , 2015, , 2055-2105.		25
52	Obesityâ€Related Pulmonary Arterial Hypertension in Rats Correlates with Increased Circulating Inflammatory Cytokines and Lipids and with Oxidant Damage in the Arterial Wall but not with Hypoxia. Pulmonary Circulation, 2014, 4, 638-653.	1.7	26
53	Adaptations of leptin, ghrelin or insulin during weight loss as predictors of weight regain: a review of current literature. International Journal of Obesity, 2014, 38, 388-396.	3.4	73
54	Intrinsic aerobic capacity impacts susceptibility to acute high-fat diet-induced hepatic steatosis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E355-E364.	3.5	58

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55	Maternal Obesity Reduces Milk Lipid Production in Lactating Mice by Inhibiting Acetyl-CoA Carboxylase and Impairing Fatty Acid Synthesis. PLoS ONE, 2014, 9, e98066.	2.5	34
56	Decreased adipocyte size and lipid of high aerobic capacity rats is associated with protection from steatosis following a 3â€day high fat diet (711.10). FASEB Journal, 2014, 28, 711.10.	0.5	0
57	High-fat and high-sucrose (western) diet induces steatohepatitis that is dependent on fructokinase. Hepatology, 2013, 58, 1632-1643.	7.3	249
58	Reduced hepatic mitochondrial respiration following acute high-fat diet is prevented by PGC-1Î± overexpression. American Journal of Physiology - Renal Physiology, 2013, 305, G868-G880.	3.4	38
59	N-acetyl-4-aminophenol and musculoskeletal adaptations to resistance exercise training. European Journal of Applied Physiology, 2013, 113, 1127-1136.	2.5	14
60	Perilipin-2-null mice are protected against diet-induced obesity, adipose inflammation, and fatty liver disease. Journal of Lipid Research, 2013, 54, 1346-1359.	4.2	176
61	The insulin receptor plays an important role in secretory differentiation in the mammary gland. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1103-E1114.	3.5	47
62	Increased Physical Activity Not Decreased Energy Intake Is Associated with Inpatient Medical Treatment for Anorexia Nervosa in Adolescent Females. PLoS ONE, 2013, 8, e61559.	2.5	10
63	Dynamic Regulation of Hepatic Lipid Droplet Properties by Diet. PLoS ONE, 2013, 8, e67631.	2.5	62
64	Obesity and Overfeeding Affecting Both Tumor and Systemic Metabolism Activates the Progesterone Receptor to Contribute to Postmenopausal Breast Cancer. Cancer Research, 2012, 72, 6490-6501.	0.9	54
65	Impact of Highâ€Fat Diet and Obesity on Energy Balance and Fuel Utilization During the Metabolic Challenge of Lactation. Obesity, 2012, 20, 65-75.	3.0	48
66	Opposing effects of fructokinase C and A isoforms on fructose-induced metabolic syndrome in mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4320-4325.	7.1	230
67	AttenuatedPik3r1Expression Prevents Insulin Resistance and Adipose Tissue Macrophage Accumulation in Diet-Induced Obese Mice. Diabetes, 2012, 61, 2495-2505.	0.6	47
68	Obesity: lessons from evolution and the environment. Obesity Reviews, 2012, 13, 910-922.	6.5	59
69	Increasing Dietary Fat Elicits Similar Changes in Fat Oxidation and Markers of Muscle Oxidative Capacity in Lean and Obese Humans. PLoS ONE, 2012, 7, e30164.	2.5	30
70	Biology's response to dieting: the impetus for weight regain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R581-R600.	1.8	348
71	Resistant starch and exercise independently attenuate weight regain on a high fat diet in a rat model of obesity. Nutrition and Metabolism, 2011, 8, 49.	3.0	38
72	Comment on: Kaiyala et al. (2010) Identification of Body Fat Mass as a Major Determinant of Metabolic Rate in Mice. Diabetes;59:1657â€“1666. Diabetes, 2011, 60, e3-e3.	0.6	2

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73	Exercise reduces appetite and traffics excess nutrients away from energetically efficient pathways of lipid deposition during the early stages of weight regain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R656-R667.	1.8	33
74	A Surprising Link Between the Energetics of Ovariectomyâ€induced Weight Gain and Mammary Tumor Progression in Obese Rats. Obesity, 2010, 18, 696-703.	3.0	23
75	Effect of the estrous cycle and surgical ovariectomy on energy balance, fuel utilization, and physical activity in lean and obese female rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1634-R1642.	1.8	42
76	Energy expenditure in obesity-prone and obesity-resistant rats before and after the introduction of a high-fat diet. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1097-R1105.	1.8	46
77	Regulation of Skeletal Muscle Oxidative Capacity and Insulin Signaling by the Mitochondrial Rhomboid Protease PARL. Cell Metabolism, 2010, 11, 412-426.	16.2	81
78	Regular exercise attenuates the metabolic drive to regain weight after long-term weight loss. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R793-R802.	1.8	64
79	When energy balance is maintained, exercise does not induce negative fat balance in lean sedentary, obese sedentary, or lean endurance-trained individuals. Journal of Applied Physiology, 2009, 107, 1847-1856.	2.5	43
80	Exercise Improves Fat Metabolism in Muscle But Does Not Increase 24-h Fat Oxidation. Exercise and Sport Sciences Reviews, 2009, 37, 93-101.	3.0	64
81	Weight regain after sustained weight reduction is accompanied by suppressed oxidation of dietary fat and adipocyte hyperplasia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1117-R1129.	1.8	75
82	Increased thermoregulation in cold-exposed transgenic mice overexpressing lipoprotein lipase in skeletal muscle: an avian phenotype?. Journal of Lipid Research, 2008, 49, 870-879.	4.2	21
83	Enhanced metabolic flexibility with long term weight reduction facilitates weight regain in obesityâ€prone rats. FASEB Journal, 2007, 21, .	0.5	0
84	Knocking Down Liver CCAAT/Enhancer-Binding Protein Î± by Adenovirus-Transduced Silent Interfering Ribonucleic Acid Improves Hepatic Gluconeogenesis and Lipid Homeostasis indb/dbMice. Endocrinology, 2006, 147, 3060-3069.	2.8	48
85	Trafficking of dietary fat in obesity-prone and obesity-resistant rats. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1083-E1091.	3.5	60
86	Peripheral metabolic responses to prolonged weight reduction that promote rapid, efficient regain in obesity-prone rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1577-R1588.	1.8	114
87	A peripheral perspective of weight regain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R1447-R1449.	1.8	8
88	Suppression of Hepatic Cholesteryl Ester Transfer Protein Expression in Obese Humans with the Development of Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 2250-2258.	3.6	24
89	C/EBPÎ± Regulates Human Adiponectin Gene Transcription Through an Intronic Enhancer. Diabetes, 2005, 54, 1744-1754.	0.6	145
90	Compensatory response to reducing body weight. Drug Discovery Today Disease Mechanisms, 2005, 2, 313-319.	0.8	8

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91	Metabolic adjustments with the development, treatment, and recurrence of obesity in obesity-prone rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R288-R297.	1.8	85
92	Enhanced metabolic efficiency contributes to weight regain after weight loss in obesity-prone rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R1306-R1315.	1.8	132
93	Cholesteryl Ester Transfer Protein Expression Prevents Diet-Induced Atherosclerotic Lesions in Male db/db Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1412-1415.	2.4	48
94	Skeletal Muscle Sterol Regulatory Element Binding Protein-1c Decreases with Food Deprivation and Increases with Feeding in Rats. Journal of Nutrition, 2003, 133, 1787-1792.	2.9	31
95	Fatty Acid Homeostasis and Induction of Lipid Regulatory Genes in Skeletal Muscles of Peroxisome Proliferator-activated Receptor (PPAR) Î± Knock-out Mice. Journal of Biological Chemistry, 2002, 277, 26089-26097.	3.4	360
96	Exercise-Induced Transcription of the Muscle Glucose Transporter (GLUT 4) Gene. Biochemical and Biophysical Research Communications, 2002, 292, 409-414.	2.1	69
97	Plasma cholesteryl ester transfer protein activity is not linked to insulin sensitivity. Metabolism: Clinical and Experimental, 2001, 50, 783-788.	3.4	14
98	Regulation of muscle GLUT-4 transcription by AMP-activated protein kinase. Journal of Applied Physiology, 2001, 91, 1073-1083.	2.5	255
99	Differential expression of cholesteryl ester transfer protein in the liver and plasma of fasted and fed transgenic mice. Journal of Nutritional Biochemistry, 2000, 11, 318-325.	4.2	7
100	Lipoprotein Subpopulation Distributions in Lean, Obese, and Type 2 Diabetic Women: A Comparison of African and White Americans. Obesity, 2000, 8, 62-70.	4.0	38
101	Insulin does not regulate the promoter of cholesteryl ester transfer protein (CETP) in HIRc/pCETP-CAT cells. , 2000, 211, 1-7.		4
102	Effect of short-term exercise training on leptin and insulin action. Metabolism: Clinical and Experimental, 2000, 49, 858-861.	3.4	77
103	Impact of insulin resistance on lipoprotein subpopulation distribution in lean and morbidly obese nondiabetic women. Metabolism: Clinical and Experimental, 2000, 49, 285-292.	3.4	24
104	Role of female sex steroids in regulating cholesteryl ester transfer protein in transgenic mice. Metabolism: Clinical and Experimental, 1998, 47, 1048-1051.	3.4	13
105	Effects of oral combined hormone replacement therapy on plasma lipids and lipoproteins. Metabolism: Clinical and Experimental, 1998, 47, 1222-1226.	3.4	18
106	Lipoprotein metabolism in non-insulin-dependent diabetes mellitus. Journal of Nutritional Biochemistry, 1996, 7, 586-598.	4.2	10
107	Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle. Journal of Applied Physiology, 1995, 78, 578-582.	2.5	51
108	Role of epinephrine during insulin-induced hypoglycemia in fasted rats. Journal of Applied Physiology, 1994, 77, 270-276.	2.5	6