

Leanne Hodson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137
papers

5,669
citations

40
h-index

73
g-index

160
ext. papers

6,902
ext. citations

6.2
avg, IF

6.09
L-index

#	Paper	IF	Citations
137	Acute intermittent hypoxia drives hepatic lipogenesis in humans and rodents.. <i>Metabolism Open</i> , 2022 , 14, 100177	2.8	0
136	The Effect of Blood Ketone Concentration and Exercise Intensity on Exogenous Ketone Oxidation Rates in Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 505-516	1.2	19
135	Dysregulation of hepatic metabolism with obesity: factors influencing glucose and lipid metabolism. <i>Proceedings of the Nutrition Society</i> , 2021 , 1-23	2.9	1
134	β-Hydroxybutyrate Oxidation in Exercise Is Impaired by Low-Carbohydrate and High-Fat Availability.. <i>Frontiers in Medicine</i> , 2021 , 8, 721673	4.9	1
133	Distinct contributions of metabolic dysfunction and genetic risk factors in the pathogenesis of non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2021 ,	13.4	9
132	Physiological and pathophysiological concentrations of fatty acids induce lipid droplet accumulation and impair functional performance of tissue engineered skeletal muscle. <i>Journal of Cellular Physiology</i> , 2021 , 236, 7033-7044	7	2
131	The role of 5-reduction in physiology and metabolic disease: evidence from cellular, pre-clinical and human studies. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021 , 207, 105808	5.1	5
130	Relationship between de novo lipogenesis and serum sex hormone binding globulin in humans. <i>Clinical Endocrinology</i> , 2021 , 95, 101-106	3.4	3
129	Dietary carbohydrates and fats in nonalcoholic fatty liver disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021 , 18, 770-786	24.2	19
128	Oxidation of dietary linoleate occurs to a greater extent than dietary palmitate in vivo in humans. <i>Clinical Nutrition</i> , 2021 , 40, 1108-1114	5.9	4
127	Prolyl-4-hydroxylase 3 maintains cell glucose metabolism during fatty acid excess in mice. <i>JCI Insight</i> , 2021 , 6,	9.9	1
126	Adipocyte NR1D1 dictates adipose tissue expansion during obesity. <i>ELife</i> , 2021 , 10,	8.9	9
125	Overfeeding Saturated Fat Increases LDL (Low-Density Lipoprotein) Aggregation Susceptibility While Overfeeding Unsaturated Fat Decreases Proteoglycan-Binding of Lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2823-2836	9.4	2
124	The PNPLA3-I148M variant increases polyunsaturated triglycerides in human adipose tissue. <i>Liver International</i> , 2020 , 40, 2128-2138	7.9	13
123	Intrahepatic Fat and Postprandial Glycemia Increase After Consumption of a Diet Enriched in Saturated Fat Compared With Free Sugars. <i>Diabetes Care</i> , 2020 , 43, 1134-1141	14.6	19
122	Managing NAFLD in Type 2 Diabetes: The Effect of Lifestyle Interventions, a Narrative Review. <i>Advances in Therapy</i> , 2020 , 37, 1381-1406	4.1	14
121	Using total plasma triacylglycerol to assess hepatic lipogenesis as an alternative to VLDL triacylglycerol. <i>Uppsala Journal of Medical Sciences</i> , 2020 , 125, 211-216	2.8	2

120	Co-administration of 5 α -reductase Inhibitors Worsens the Adverse Metabolic Effects of Prescribed Glucocorticoids. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	3
119	Hepatic de novo lipogenesis is suppressed and fat oxidation is increased by omega-3 fatty acids at the expense of glucose metabolism. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	24
118	Hydroxysteroid 17 β -dehydrogenase 13 variant increases phospholipids and protects against fibrosis in nonalcoholic fatty liver disease. <i>JCI Insight</i> , 2020 , 5,	9.9	33
117	Glucocorticoids regulate AKR1D1 activity in human liver in vitro and in vivo. <i>Journal of Endocrinology</i> , 2020 , 245, 207-218	4.7	3
116	Sodium-glucose cotransporter 2 inhibition does not reduce hepatic steatosis in overweight, insulin-resistant patients without type 2 diabetes. <i>JGH Open</i> , 2020 , 4, 433-440	1.8	1
115	Nuclear receptor REVERB β is a state-dependent regulator of liver energy metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25869-25879	11.5	12
114	Lifestyle interventions affecting hepatic fatty acid metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2020 , 23, 373-379	3.8	1
113	Modifying nutritional substrates induces macrovesicular lipid droplet accumulation and metabolic alterations in a cellular model of hepatic steatosis. <i>Physiological Reports</i> , 2020 , 8, e14482	2.6	3
112	The Importance of the Fatty Acid Transporter L-Carnitine in Non-Alcoholic Fatty Liver Disease (NAFLD). <i>Nutrients</i> , 2020 , 12,	6.7	15
111	The influence of dietary fatty acids on liver fat content and metabolism. <i>Proceedings of the Nutrition Society</i> , 2020 , 79, 30-41	2.9	22
110	Nonalcoholic Fatty Liver Disease in Adults: Current Concepts in Etiology, Outcomes, and Management. <i>Endocrine Reviews</i> , 2020 , 41,	27.2	56
109	Patients With Aldolase B Deficiency Are Characterized by Increased Intrahepatic Triglyceride Content. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 5056-5064	5.6	13
108	The regulation of hepatic fatty acid synthesis and partitioning: the effect of nutritional state. <i>Nature Reviews Endocrinology</i> , 2019 , 15, 689-700	15.2	71
107	Transient Cold Storage Prior to Normothermic Liver Perfusion May Facilitate Adoption of a Novel Technology. <i>Liver Transplantation</i> , 2019 , 25, 1503-1513	4.5	33
106	Accumulation of saturated intramyocellular lipid is associated with insulin resistance. <i>Journal of Lipid Research</i> , 2019 , 60, 1323-1332	6.3	14
105	Challenging metabolic tissues with fructose: tissue-specific and sex-specific responses. <i>Journal of Physiology</i> , 2019 , 597, 3527-3537	3.9	11
104	Effects on hepatic lipid metabolism in human hepatoma cells following overexpression of TGF β induced factor homeobox 1 or 2. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 756-762	5	3
103	Evidence for an alternative fatty acid desaturation pathway increasing cancer plasticity. <i>Nature</i> , 2019 , 566, 403-406	50.4	187

102	Fasting hepatic de novo lipogenesis is not reliably assessed using circulating fatty acid markers. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 260-268	7	15
101	AKR1D1 regulates glucocorticoid availability and glucocorticoid receptor activation in human hepatoma cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 189, 218-227	5.1	8
100	AKR1D1 is a novel regulator of metabolic phenotype in human hepatocytes and is dysregulated in non-alcoholic fatty liver disease. <i>Metabolism: Clinical and Experimental</i> , 2019 , 99, 67-80	12.7	22
99	Human PNPLA3-I148M variant increases hepatic retention of polyunsaturated fatty acids. <i>JCI Insight</i> , 2019 , 4,	9.9	48
98	Hyperinsulinaemia: does it tip the balance toward intrahepatic fat accumulation?. <i>Endocrine Connections</i> , 2019 , 8, R157-R168	3.5	8
97	Of mice and men: Is there a future for metformin in the treatment of hepatic steatosis?. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 749-760	6.7	15
96	Measuring Human Lipid Metabolism Using Deuterium Labeling: In Vivo and In Vitro Protocols. <i>Methods in Molecular Biology</i> , 2019 , 1862, 83-96	1.4	11
95	Metabolic Inflexibility Is an Early Marker of Bed-Rest-Induced Glucose Intolerance Even When Fat Mass Is Stable. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 1910-1920	5.6	18
94	Compositional marker in vivo reveals intramyocellular lipid turnover during fasting-induced lipolysis. <i>Scientific Reports</i> , 2018 , 8, 2750	4.9	4
93	Chylomicron-Derived Fatty Acid Spillover in Adipose Tissue: A Signature of Metabolic Health?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 25-34	5.6	19
92	Relevance of human fat distribution on lipid and lipoprotein metabolism and cardiovascular disease risk. <i>Current Opinion in Lipidology</i> , 2018 , 29, 285-292	4.4	11
91	Studying non-alcoholic fatty liver disease: the ins and outs of in vivo, ex vivo and in vitro human models. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2018 , 41,	1.3	10
90	Non-alcoholic fatty liver disease concerns with glucokinase activators. <i>Lancet Diabetes and Endocrinology</i> , 2018 , 6, 684-685	18.1	3
89	Effect of supplementation with flaxseed oil and different doses of fish oil for 2 weeks on plasma phosphatidylcholine fatty acids in young women. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 832-840	5.2	9
88	Total Fatty Acid Analysis of Human Blood Samples in One Minute by High-Resolution Mass Spectrometry. <i>Biomolecules</i> , 2018 , 9,	5.9	16
87	Sex Differences in Hepatic Lipogenesis with Acute Fructose Feeding. <i>Nutrients</i> , 2018 , 10,	6.7	20
86	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. <i>Diabetes Care</i> , 2018 , 41, 1732-1739	14.6	167
85	A cellular model for the investigation of depot specific human adipocyte biology. <i>Adipocyte</i> , 2017 , 6, 40-55	3.2	14

84	Docosahexaenoic acid enrichment in NAFLD is associated with improvements in hepatic metabolism and hepatic insulin sensitivity: a pilot study. <i>European Journal of Clinical Nutrition</i> , 2017 , 71, 973-979	5.2	33
83	Influence of dietary macronutrients on liver fat accumulation and metabolism. <i>Journal of Investigative Medicine</i> , 2017 , 65, 1102-1115	2.9	67
82	The role of glucose, insulin and NEFA in regulating tissue triglyceride accumulation: Substrate cooperation in adipose tissue versus substrate competition in skeletal muscle. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017 , 27, 956-963	4.5	2
81	The isolation of primary hepatocytes from human tissue: optimising the use of small non-encapsulated liver resection surplus. <i>Cell and Tissue Banking</i> , 2017 , 18, 597-604	2.2	20
80	In vitro cellular models of human hepatic fatty acid metabolism: differences between Huh7 and HepG2 cell lines in human and fetal bovine culturing serum. <i>Physiological Reports</i> , 2017 , 5, e13532	2.6	34
79	A Single Day of Excessive Dietary Fat Intake Reduces Whole-Body Insulin Sensitivity: The Metabolic Consequence of Binge Eating. <i>Nutrients</i> , 2017 , 9,	6.7	15
78	Triglyceride-rich lipoprotein metabolism in women: roles of apoC-II and apoC-III. <i>European Journal of Clinical Investigation</i> , 2016 , 46, 730-6	4.6	6
77	Optimizing human hepatocyte models for metabolic phenotype and function: effects of treatment with dimethyl sulfoxide (DMSO). <i>Physiological Reports</i> , 2016 , 4, e12944	2.6	14
76	Effects of roux-en-Y gastric bypass surgery on postprandial fructose metabolism. <i>Obesity</i> , 2016 , 24, 589-96		13
75	Dual-5 α -Reductase Inhibition Promotes Hepatic Lipid Accumulation in Man. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 103-13	5.6	41
74	Exercise performed immediately after fructose ingestion enhances fructose oxidation and suppresses fructose storage. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 348-55	7	17
73	Fasting Plasma Insulin Concentrations Are Associated With Changes in Hepatic Fatty Acid Synthesis and Partitioning Prior to Changes in Liver Fat Content in Healthy Adults. <i>Diabetes</i> , 2016 , 65, 1858-67	0.9	29
72	Characterization of lipid metabolism in a novel immortalized human hepatocyte cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E511-22	6	18
71	Sex-Specific Differences in Hepatic Fat Oxidation and Synthesis May Explain the Higher Propensity for NAFLD in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 4425-33	5.6	74
70	Menopausal Status and Abdominal Obesity Are Significant Determinants of Hepatic Lipid Metabolism in Women. <i>Journal of the American Heart Association</i> , 2015 , 4, e002258	6	34
69	From whole body to cellular models of hepatic triglyceride metabolism: man has got to know his limitations. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E1-20	6	26
68	Methods to Determine Dietary Intake 2015 , 48-70		7
67	Animal Models in Nutrition Research 2015 , 265-277		1

66	Use of Biobanks in Nutrition Research 2015 , 141-150	1
65	Nature, Purpose and Implications of Research in Nutrition 2015 , 1-12	1
64	Methods Investigating Food-Related Behaviour 2015 , 151-168	
63	Methods for Assessing Nutritional Status and Body Composition 2015 , 169-185	
62	Energy Expenditure and Intake Methods 2015 , 186-197	1
61	Application of Omics Technologies 2015 , 198-211	1
60	Nutrient-Gene Interactions 2015 , 225-234	
59	Data Analytical Methods for the Application of Systems Biology in Nutrition 2015 , 235-249	
58	Stable Isotopes in Nutrition Research 2015 , 250-264	1
57	Cellular Models in Nutrition Research 2015 , 278-306	
56	Study Design: Population-Based Studies 2015 , 13-27	1
55	Translation of Nutrition Research 2015 , 307-325	
54	Study Design: Intervention Studies 2015 , 28-47	4
53	Food Composition 2015 , 71-89	
52	Biomarkers of Intake 2015 , 90-107	
51	Methods of Data Analysis 2015 , 108-122	
50	Considerations for Including Different Population Groups in Nutrition Research 2015 , 123-140	2
49	The Effect of Marine Derived n-3 Fatty Acids on Adipose Tissue Metabolism and Function. <i>Journal of Clinical Medicine</i> , 2015 , 5,	5.1 53

48	Are oxidative stress mechanisms the common denominator in the progression from hepatic steatosis towards non-alcoholic steatohepatitis (NASH)?. <i>Liver International</i> , 2014 , 34, e180-90	7.9	73
47	Independent effects of circulating glucose, insulin and NEFA on cardiac triacylglycerol accumulation and myocardial insulin resistance in a swine model. <i>Diabetologia</i> , 2014 , 57, 1937-46	10.3	8
46	The storage stability and concentration of acetoacetate differs between blood fractions. <i>Clinica Chimica Acta</i> , 2014 , 433, 278-83	6.2	13
45	Plasma and erythrocyte fatty acids reflect intakes of saturated and n-6 PUFA within a similar time frame. <i>Journal of Nutrition</i> , 2014 , 144, 33-41	4.1	50
44	The influence of dietary fat on liver fat accumulation. <i>Nutrients</i> , 2014 , 6, 5018-33	6.7	66
43	Metabolic fate of fructose ingested with and without glucose in a mixed meal. <i>Nutrients</i> , 2014 , 6, 2632-40	7	67
42	Structural and functional properties of deep abdominal subcutaneous adipose tissue explain its association with insulin resistance and cardiovascular risk in men. <i>Diabetes Care</i> , 2014 , 37, 821-9	14.6	111
41	Lower resting and total energy expenditure in postmenopausal compared with premenopausal women matched for abdominal obesity. <i>Journal of Nutritional Science</i> , 2014 , 3, e3	2.7	28
40	Effects of purified eicosapentaenoic and docosahexaenoic acids in nonalcoholic fatty liver disease: results from the Welcome* study. <i>Hepatology</i> , 2014 , 60, 1211-21	11.2	210
39	Adipose tissue oxygenation: Effects on metabolic function. <i>Adipocyte</i> , 2014 , 3, 75-80	3.2	36
38	Exercise prevents fructose-induced hypertriglyceridemia in healthy young subjects. <i>Diabetes</i> , 2013 , 62, 2259-65	0.9	70
37	Stearoyl-CoA desaturase: rogue or innocent bystander?. <i>Progress in Lipid Research</i> , 2013 , 52, 15-42	14.3	148
36	Micro-techniques for analysis of human adipose tissue fatty acid composition in dietary studies. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013 , 23, 1128-33	4.5	6
35	Metabolic signatures of human adipose tissue hypoxia in obesity. <i>Diabetes</i> , 2013 , 62, 1417-25	0.9	91
34	Is there something special about palmitoleate?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 225-31	3.8	44
33	Preeclampsia is associated with compromised maternal synthesis of long-chain polyunsaturated fatty acids, leading to offspring deficiency. <i>Hypertension</i> , 2012 , 60, 1078-85	8.5	36
32	Gluteofemoral adipose tissue plays a major role in production of the lipokine palmitoleate in humans. <i>Diabetes</i> , 2012 , 61, 1399-403	0.9	70
31	Effects of supplementation with essential amino acids on intrahepatic lipid concentrations during fructose overfeeding in humans. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 1008-16	7	56

30	Exercise Prevents Fructose-Induced Hypertriglyceridemia in Healthy Young Males. <i>FASEB Journal</i> , 2012 , 26, 1032.2	0.9	
29	Downregulation of adipose tissue fatty acid trafficking in obesity: a driver for ectopic fat deposition?. <i>Diabetes</i> , 2011 , 60, 47-55	0.9	320
28	Serum fatty acid reference ranges: percentiles from a New Zealand national nutrition survey. <i>Nutrients</i> , 2011 , 3, 152-63	6.7	11
27	Hepatic fatty acid partitioning. <i>Current Opinion in Lipidology</i> , 2011 , 22, 216-24	4.4	48
26	De novo lipogenesis in the differentiating human adipocyte can provide all fatty acids necessary for maturation. <i>Journal of Lipid Research</i> , 2011 , 52, 1683-92	6.3	62
25	Young women partition fatty acids towards ketone body production rather than VLDL-TAG synthesis, compared with young men. <i>British Journal of Nutrition</i> , 2011 , 105, 857-65	3.6	40
24	Hepatocyte-specific IKK- β activation enhances VLDL-triglyceride production in APOE*3-Leiden mice. <i>Journal of Lipid Research</i> , 2011 , 52, 942-50	6.3	19
23	Dietary Approaches to Stop Hypertension (DASH) diet: applicability and acceptability to a UK population. <i>Journal of Human Nutrition and Dietetics</i> , 2010 , 23, 3-10	3.1	36
22	Femoral adipose tissue may accumulate the fat that has been recycled as VLDL and nonesterified fatty acids. <i>Diabetes</i> , 2010 , 59, 2465-73	0.9	59
21	Greater dietary fat oxidation in obese compared with lean men: an adaptive mechanism to prevent liver fat accumulation?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E584-92	6	48
20	Does the DASH diet lower blood pressure by altering peripheral vascular function?. <i>Journal of Human Hypertension</i> , 2010 , 24, 312-9	2.6	46
19	Splanchnic balance of free fatty acids, endocannabinoids, and lipids in subjects with nonalcoholic fatty liver disease. <i>Gastroenterology</i> , 2010 , 139, 1961-1971.e1	13.3	52
18	Trafficking and partitioning of fatty acids: the transition from fasted to fed state. <i>Clinical Lipidology</i> , 2010 , 5, 131-144		15
17	Dietary fat and insulin sensitivity. <i>Diabetologia</i> , 2010 , 53, 799-801	10.3	4
16	Substrate utilization by the failing human heart by direct quantification using arterio-venous blood sampling. <i>PLoS ONE</i> , 2009 , 4, e7533	3.7	35
15	Fasted to fed trafficking of Fatty acids in human adipose tissue reveals a novel regulatory step for enhanced fat storage. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 1781-8	5.6	103
14	Differences in partitioning of meal fatty acids into blood lipid fractions: a comparison of linoleate, oleate, and palmitate. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E64-71	6	54
13	Markers of de novo lipogenesis in adipose tissue: associations with small adipocytes and insulin sensitivity in humans. <i>Diabetologia</i> , 2009 , 52, 882-90	10.3	192

12	Chronic palmitate exposure inhibits insulin secretion by dissociation of Ca(2+) channels from secretory granules. <i>Cell Metabolism</i> , 2009 , 10, 455-65	24.6	116
11	Fatty acid composition of adipose tissue and blood in humans and its use as a biomarker of dietary intake. <i>Progress in Lipid Research</i> , 2008 , 47, 348-80	14.3	859
10	Fatty acid metabolism in patients with PPARgamma mutations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 4462-70	5.6	24
9	Caution on the interpretation of plasma fatty acid composition as a proxy marker for SCD1 activity: particular implications for using the 16:1/16:0 ratio in QTL studies involving hyperlipidemic patients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, e152; author reply e153	9.4	10
8	Parallel activation of de novo lipogenesis and stearoyl-CoA desaturase activity after 3 d of high-carbohydrate feeding. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 817-23	7	162
7	The contribution of splanchnic fat to VLDL triglyceride is greater in insulin-resistant than insulin-sensitive men and women: studies in the postprandial state. <i>Diabetes</i> , 2007 , 56, 2433-41	0.9	75
6	Preferential uptake of dietary Fatty acids in adipose tissue and muscle in the postprandial period. <i>Diabetes</i> , 2007 , 56, 168-76	0.9	182
5	Removal of triacylglycerols from chylomicrons and VLDL by capillary beds: the basis of lipoprotein remnant formation. <i>Biochemical Society Transactions</i> , 2007 , 35, 472-6	5.1	23
4	Dietary-induced changes in fatty acid composition of human plasma, platelet, and erythrocyte lipids follow a similar time course. <i>Journal of Nutrition</i> , 2006 , 136, 565-9	4.1	116
3	Stability of plasma and erythrocyte fatty acid composition during cold storage. <i>Clinica Chimica Acta</i> , 2002 , 321, 63-7	6.2	51
2	Maximal response to a plasma cholesterol-lowering diet is achieved within two weeks. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2002 , 12, 291-5	4.5	15
1	The effect of replacing dietary saturated fat with polyunsaturated or monounsaturated fat on plasma lipids in free-living young adults. <i>European Journal of Clinical Nutrition</i> , 2001 , 55, 908-15	5.2	112