

# E Louise Thomas

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

5,956  
citations

87723

38  
h-index

110170

64  
g-index

72  
all docs

72  
docs citations

72  
times ranked

8777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of targeted delivery of propionate to the human colon on appetite regulation, body weight maintenance and adiposity in overweight adults. <i>Gut</i> , 2015, 64, 1744-1754.	6.1	950
2	Human Metabolic Syndrome Resulting From Dominant-Negative Mutations in the Nuclear Receptor Peroxisome Proliferator-Activated Receptor- $\alpha$ . <i>Diabetes</i> , 2003, 52, 910-917.	0.3	412
3	Magnetic resonance imaging of total body fat. <i>Journal of Applied Physiology</i> , 1998, 85, 1778-1785.	1.2	284
4	Altered Adiposity after Extremely Preterm Birth. <i>Pediatric Research</i> , 2005, 57, 211-215.	1.1	261
5	Non-invasive means of measuring hepatic fat content. <i>World Journal of Gastroenterology</i> , 2008, 14, 3476.	1.4	226
6	Polycystic Ovary Syndrome with Hyperandrogenism Is Characterized by an Increased Risk of Hepatic Steatosis Compared to Nonhyperandrogenic PCOS Phenotypes and Healthy Controls, Independent of Obesity and Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 3709-3716.	1.8	198
7	Improved Glycaemia Correlates with Liver Fat Reduction in Obese, Type 2 Diabetes, Patients Given Glucagon-Like Peptide-1 (GLP-1) Receptor Agonists. <i>PLoS ONE</i> , 2012, 7, e50117.	1.1	191
8	The Missing Risk: MRI and MRS Phenotyping of Abdominal Adiposity and Ectopic Fat. <i>Obesity</i> , 2012, 20, 76-87.	1.5	156
9	Visceral Adipose Tissue and Metabolic Complications of Obesity Are Reduced in Prader-Willi Syndrome Female Adults: Evidence for Novel Influences on Body Fat Distribution. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4330-4338.	1.8	149
10	The Influence of Maternal Body Mass Index on Infant Adiposity and Hepatic Lipid Content. <i>Pediatric Research</i> , 2011, 70, 287-291.	1.1	145
11	Digenic inheritance of severe insulin resistance in a human pedigree. <i>Nature Genetics</i> , 2002, 31, 379-384.	9.4	134
12	Excess body fat in obese and normal-weight subjects. <i>Nutrition Research Reviews</i> , 2012, 25, 150-161.	2.1	130
13	LEAP2 changes with body mass and food intake in humans and mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 3909-3923.	3.9	130
14	External validation of the fatty liver index and lipid accumulation product indices, using $^1\text{H}$ -magnetic resonance spectroscopy, to identify hepatic steatosis in healthy controls and obese, insulin-resistant individuals. <i>European Journal of Endocrinology</i> , 2014, 171, 561-569.	1.9	126
15	Body Composition Profiling in the UK Biobank Imaging Study. <i>Obesity</i> , 2018, 26, 1785-1795.	1.5	125
16	Elevated Fasting Plasma Ghrelin in Prader-Willi Syndrome Adults Is Not Solely Explained by Their Reduced Visceral Adiposity and Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 1718-1726.	1.8	107
17	Genetic architecture of 11 organ traits derived from abdominal MRI using deep learning. <i>ELife</i> , 2021, 10, .	2.8	102
18	Dissociation between exercise-induced reduction in liver fat and changes in hepatic and peripheral glucose homeostasis in obese patients with non-alcoholic fatty liver disease. <i>Clinical Science</i> , 2016, 130, 93-104.	1.8	100

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19	Effect of nutritional counselling on hepatic, muscle and adipose tissue fat content and distribution in non-alcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2006, 12, 5813.	1.4	100
20	Aberrant Adiposity and Ectopic Lipid Deposition Characterize the Adult Phenotype of the Preterm Infant. <i>Pediatric Research</i> , 2011, 70, 507-512.	1.1	99
21	Resting metabolic rate, plasma leptin concentrations, leptin receptor expression, and adipose tissue measured by whole-body magnetic resonance imaging in women with Prader-Willi syndrome. <i>American Journal of Clinical Nutrition</i> , 2002, 75, 468-475.	2.2	98
22	Characterisation of liver fat in the UK Biobank cohort. <i>PLoS ONE</i> , 2017, 12, e0172921.	1.1	95
23	Whole Body Magnetic Resonance Imaging of Healthy Newborn Infants Demonstrates Increased Central Adiposity in Asian Indians. <i>Pediatric Research</i> , 2009, 65, 584-587.	1.1	92
24	Preferential loss of visceral fat following aerobic exercise, measured by magnetic resonance imaging. <i>Lipids</i> , 2000, 35, 769-776.	0.7	88
25	Diversity in levels of intracellular total creatine and triglycerides in human skeletal muscles observed by <sup>1</sup> H-MRS. <i>Journal of Applied Physiology</i> , 1999, 87, 2068-2072.	1.2	85
26	Genome-wide and Mendelian randomisation studies of liver MRI yield insights into the pathogenesis of steatohepatitis. <i>Journal of Hepatology</i> , 2020, 73, 241-251.	1.8	83
27	Intracellular and extracellular skeletal muscle triglyceride metabolism during alternating intensity exercise in humans. <i>Journal of Physiology</i> , 1998, 510, 615-622.	1.3	79
28	Excess Visceral and Hepatic Adipose Tissue in Turner Syndrome Determined by Magnetic Resonance Imaging: Estrogen Deficiency Associated with Hepatic Adipose Content. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 2631-2635.	1.8	76
29	Fermentable Carbohydrate Alters Hypothalamic Neuronal Activity and Protects Against the Obesogenic Environment. <i>Obesity</i> , 2012, 20, 1016-1023.	1.5	72
30	Genome-Wide and Abdominal MRI Data Provide Evidence That a Genetically Determined Favorable Adiposity Phenotype Is Characterized by Lower Ectopic Liver Fat and Lower Risk of Type 2 Diabetes, Heart Disease, and Hypertension. <i>Diabetes</i> , 2019, 68, 207-219.	0.3	72
31	Determinants of Adiposity during Prewaning Postnatal Growth in Appropriately Grown and Growth-Restricted Term Infants. <i>Pediatric Research</i> , 2006, 60, 345-348.	1.1	69
32	Reduction of total lung capacity in obese men: comparison of total intrathoracic and gas volumes. <i>Journal of Applied Physiology</i> , 2010, 108, 1605-1612.	1.2	69
33	In vivo evaluation of the effects of continuous exercise on skeletal muscle triglycerides in trained humans. <i>Lipids</i> , 2000, 35, 1313-1318.	0.7	55
34	Plasma metabolome analysis identifies distinct human metabolotypes in the postprandial state with different susceptibility to weight loss-mediated metabolic improvements. <i>FASEB Journal</i> , 2018, 32, 5447-5458.	0.2	54
35	A randomized controlled trial: the effect of inulin on weight management and ectopic fat in subjects with prediabetes. <i>Nutrition and Metabolism</i> , 2015, 12, 36.	1.3	53
36	Validation of a fast method for quantification of intra-abdominal and subcutaneous adipose tissue for large-scale human studies. <i>NMR in Biomedicine</i> , 2015, 28, 1747-1753.	1.6	53

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37	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020, 17, e1003149.	3.9	47
38	Hepatic steatosis, GH deficiency and the effects of GH replacement: a Liverpool magnetic resonance spectroscopy study. <i>European Journal of Endocrinology</i> , 2012, 166, 993-1002.	1.9	45
39	Genetic Evidence for Different Adiposity Phenotypes and Their Opposing Influences on Ectopic Fat and Risk of Cardiometabolic Disease. <i>Diabetes</i> , 2021, 70, 1843-1856.	0.3	42
40	Measurement of liver iron by magnetic resonance imaging in the UK Biobank population. <i>PLoS ONE</i> , 2018, 13, e0209340.	1.1	37
41	Rifaximin in non-alcoholic steatohepatitis: An open-label pilot study. <i>Hepatology Research</i> , 2018, 48, 69-77.	1.8	36
42	Impact of liver fat on the differential partitioning of hepatic triacylglycerol into VLDL subclasses on high and low sugar diets. <i>Clinical Science</i> , 2017, 131, 2561-2573.	1.8	31
43	Carbohydrate-induced manipulation of insulin sensitivity independently of intramyocellular lipids. <i>British Journal of Nutrition</i> , 2003, 89, 365-374.	1.2	29
44	Preterm nutritional intake and MRI phenotype at term age: a prospective observational study. <i>BMJ Open</i> , 2014, 4, e005390.	0.8	27
45	Pioglitazone added to conventional lipid-lowering treatment in familial combined hyperlipidaemia improves parameters of metabolic control: Relation to liver, muscle and regional body fat content. <i>Atherosclerosis</i> , 2007, 195, e181-e190.	0.4	24
46	Development of a Rapid and Efficient Magnetic Resonance Imaging Technique for Analysis of Body Fat Distribution. , 1996, 9, 156-164.		23
47	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. <i>Journal of Hepatology</i> , 2019, 71, 594-602.	1.8	23
48	Intrahepatic Insulin Exposure, Intrahepatocellular Lipid and Regional Body Fat in Nonalcoholic Fatty Liver Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 2151-2159.	1.8	22
49	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , 2019, 62, 1601-1615.	2.9	22
50	Effect of energy restriction and physical exercise intervention on phenotypic flexibility as examined by transcriptomics analyses of mRNA from adipose tissue and whole body magnetic resonance imaging. <i>Physiological Reports</i> , 2016, 4, e13019.	0.7	21
51	Relation between trunk fat volume and reduction of total lung capacity in obese men. <i>Journal of Applied Physiology</i> , 2012, 112, 118-126.	1.2	20
52	Liver fat in adults with GH deficiency: comparison to matched controls and the effect of GH replacement. <i>Clinical Endocrinology</i> , 2016, 85, 76-84.	1.2	20
53	Normalized Indices Derived from Visceral Adipose Mass Assessed by Magnetic Resonance Imaging and Their Correlation with Markers for Insulin Resistance and Prediabetes. <i>Nutrients</i> , 2020, 12, 2064.	1.7	17
54	Circulating Pancreatic Polypeptide Concentrations Predict Visceral and Liver Fat Content. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1048-1052.	1.8	16

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55	Large-scale analysis of iliopsoas muscle volumes in the UK Biobank. <i>Scientific Reports</i> , 2020, 10, 20215.	1.6	16
56	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021, 44, 511-518.	4.3	16
57	Recent advances in imaging hepatic fibrosis and steatosis. <i>Expert Review of Gastroenterology and Hepatology</i> , 2011, 5, 91-104.	1.4	15
58	The effect of preterm birth on adiposity and metabolic pathways and the implications for later life. <i>Clinical Lipidology</i> , 2012, 7, 275-288.	0.4	15
59	Gender Differences in VLDL <sub>1</sub> and VLDL <sub>2</sub> Triglyceride Kinetics and Fatty Acid Kinetics in Obese Postmenopausal Women and Obese Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 2475-2481.	1.8	15
60	Adiposity and hepatic lipid in healthy full-term, breastfed, and formula-fed human infants: a prospective short-term longitudinal cohort study. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1034-1040.	2.2	15
61	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. <i>Diabetologia</i> , 2020, 63, 744-756.	2.9	12
62	Ethnic Differences in Body Fat Deposition and Liver Fat Content in Two UK-Based Cohorts. <i>Obesity</i> , 2020, 28, 2142-2152.	1.5	9
63	Analysis of MRI-derived spleen iron in the UK Biobank identifies genetic variation linked to iron homeostasis and hemolysis. <i>American Journal of Human Genetics</i> , 2022, 109, 1092-1104.	2.6	7
64	Precision MRI phenotyping enables detection of small changes in body composition for longitudinal cohorts. <i>Scientific Reports</i> , 2022, 12, 3748.	1.6	6