E Louise Thomas

List of Publications by Year
in descending order

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	Precision MRI phenotyping enables detection of small changes in body composition for longitudinal cohorts. Scientific Reports, 2022, 12, 3748.	1.6	6
2	Analysis of MRI-derived spleen iron in the UK Biobank identifies genetic variation linked to iron homeostasis and hemolysis. American Journal of Human Genetics, 2022, 109, 1092-1104.	2.6	7
3	Genetic Evidence for Different Adiposity Phenotypes and Their Opposing Influences on Ectopic Fat and Risk of Cardiometabolic Disease. Diabetes, 2021, 70, 1843-1856.	0.3	42
4	Genetic architecture of 11 organ traits derived from abdominal MRI using deep learning. ELife, 2021, 10, .	2.8	102
5	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. Diabetes Care, 2021, 44, 511-518.	4.3	16
6	Normalized Indices Derived from Visceral Adipose Mass Assessed by Magnetic Resonance Imaging and Their Correlation with Markers for Insulin Resistance and Prediabetes. Nutrients, 2020, 12, 2064.	1.7	17
7	Ethnic Differences in Body Fat Deposition and Liver Fat Content in Two UKâ€Based Cohorts. Obesity, 2020, 28, 2142-2152.	1.5	9
8	Large-scale analysis of iliopsoas muscle volumes in the UK Biobank. Scientific Reports, 2020, 10, 20215.	1.6	16
9	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. PLoS Medicine, 2020, 17, e1003149.	3.9	47
10	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. Diabetologia, 2020, 63, 744-756.	2.9	12
11	Genome-wide and Mendelian randomisation studies of liver MRI yield insights into the pathogenesis of steatohepatitis. Journal of Hepatology, 2020, 73, 241-251.	1.8	83
12	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. Diabetologia, 2019, 62, 1601-1615.	2.9	22
13	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. Journal of Hepatology, 2019, 71, 594-602.	1.8	23
14	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. Diabetes, 2019, 68, 207-219.	0.3	72
15	LEAP2 changes with body mass and food intake in humans and mice. Journal of Clinical Investigation, 2019, 129, 3909-3923.	3.9	130
16	Rifaximin in nonâ€alcoholic steatohepatitis: An openâ€label pilot study. Hepatology Research, 2018, 48, 69-77.	1.8	36
17	Measurement of liver iron by magnetic resonance imaging in the UK Biobank population. PLoS ONE, 2018, 13, e0209340.	1.1	37
18	Body Composition Profiling in the UK Biobank Imaging Study. Obesity, 2018, 26, 1785-1795.	1.5	125

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19	Plasma metabolome analysis identifies distinct human metabotypes in the postprandial state with different susceptibility to weight lossâ€mediated metabolic improvements. FASEB Journal, 2018, 32, 5447-5458.	0.2	54
20	Impact of liver fat on the differential partitioning of hepatic triacylglycerol into VLDL subclasses on high and low sugar diets. Clinical Science, 2017, 131, 2561-2573.	1.8	31
21	Characterisation of liver fat in the UK Biobank cohort. PLoS ONE, 2017, 12, e0172921.	1.1	95
22	Liver fat in adults with <scp>GH</scp> deficiency: comparison to matched controls and the effect of <scp>GH</scp> replacement. Clinical Endocrinology, 2016, 85, 76-84.	1.2	20
23	Effect of energy restriction and physical exercise intervention on phenotypic flexibility as examined by transcriptomics analyses of <scp>mRNA</scp> from adipose tissue and whole body magnetic resonance imaging. Physiological Reports, 2016, 4, e13019.	0.7	21
24	Dissociation between exercise-induced reduction in liver fat and changes in hepatic and peripheral glucose homoeostasis in obese patients with non-alcoholic fatty liver disease. Clinical Science, 2016, 130, 93-104.	1.8	100
25	A randomized controlled trial: the effect of inulin on weight management and ectopic fat in subjects with prediabetes. Nutrition and Metabolism, 2015, 12, 36.	1.3	53
26	Validation of a fast method for quantification of intra-abdominal and subcutaneous adipose tissue for large-scale human studies. NMR in Biomedicine, 2015, 28, 1747-1753.	1.6	53
27	Circulating Pancreatic Polypeptide Concentrations Predict Visceral and Liver Fat Content. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1048-1052.	1.8	16
28	Effects of targeted delivery of propionate to the human colon on appetite regulation, body weight maintenance and adiposity in overweight adults. Gut, 2015, 64, 1744-1754.	6.1	950
29	Preterm nutritional intake and MRI phenotype at term age: a prospective observational study. BMJ Open, 2014, 4, e005390.	0.8	27
30	External validation of the fatty liver index and lipid accumulation product indices, using 1H-magnetic resonance spectroscopy, to identify hepatic steatosis in healthy controls and obese, insulin-resistant individuals. European Journal of Endocrinology, 2014, 171, 561-569.	1.9	126
31	Adiposity and hepatic lipid in healthy full-term, breastfed, and formula-fed human infants: a prospective short-term longitudinal cohort study. American Journal of Clinical Nutrition, 2014, 99, 1034-1040.	2.2	15
32	Hepatic steatosis, GH deficiency and the effects of GH replacement: a Liverpool magnetic resonance spectroscopy study. European Journal of Endocrinology, 2012, 166, 993-1002.	1.9	45
33	Excess body fat in obese and normal-weight subjects. Nutrition Research Reviews, 2012, 25, 150-161.	2.1	130
34	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. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3709-3716.	1.8	198
35	Intrahepatic Insulin Exposure, Intrahepatocellular Lipid and Regional Body Fat in Nonalcoholic Fatty Liver Disease. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2151-2159.	1.8	22
36	Relation between trunk fat volume and reduction of total lung capacity in obese men. Journal of Applied Physiology, 2012, 112, 118-126.	1.2	20

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37	Fermentable Carbohydrate Alters Hypothalamic Neuronal Activity and Protects Against the Obesogenic Environment. Obesity, 2012, 20, 1016-1023.	1.5	72
38	The effect of preterm birth on adiposity and metabolic pathways and the implications for later life. Clinical Lipidology, 2012, 7, 275-288.	0.4	15
39	The Missing Risk: MRI and MRS Phenotyping of Abdominal Adiposity and Ectopic Fat. Obesity, 2012, 20, 76-87.	1.5	156
40	Gender Differences in VLDL₁and VLDL₂Triglyceride Kinetics and Fatty Acid Kinetics in Obese Postmenopausal Women and Obese Men. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2475-2481.	1.8	15
41	Improved Glycaemia Correlates with Liver Fat Reduction in Obese, Type 2 Diabetes, Patients Given Glucagon-Like Peptide-1 (GLP-1) Receptor Agonists. PLoS ONE, 2012, 7, e50117.	1.1	191
42	The Influence of Maternal Body Mass Index on Infant Adiposity and Hepatic Lipid Content. Pediatric Research, 2011, 70, 287-291.	1.1	145
43	Aberrant Adiposity and Ectopic Lipid Deposition Characterize the Adult Phenotype of the Preterm Infant. Pediatric Research, 2011, 70, 507-512.	1.1	99
44	Recent advances in imaging hepatic fibrosis and steatosis. Expert Review of Gastroenterology and Hepatology, 2011, 5, 91-104.	1.4	15
45	Reduction of total lung capacity in obese men: comparison of total intrathoracic and gas volumes. Journal of Applied Physiology, 2010, 108, 1605-1612.	1.2	69
46	Whole Body Magnetic Resonance Imaging of Healthy Newborn Infants Demonstrates Increased Central Adiposity in Asian Indians. Pediatric Research, 2009, 65, 584-587.	1.1	92
47	Non-invasive means of measuring hepatic fat content. World Journal of Gastroenterology, 2008, 14, 3476.	1.4	226
48	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. Atherosclerosis, 2007, 195, e181-e190.	0.4	24
49	Determinants of Adiposity during Preweaning Postnatal Growth in Appropriately Grown and Growth-Restricted Term Infants. Pediatric Research, 2006, 60, 345-348.	1.1	69
50	Effect of nutritional counselling on hepatic, muscle and adipose tissue fat content and distribution in non-alcoholic fatty liver disease. World Journal of Gastroenterology, 2006, 12, 5813.	1.4	100
51	Altered Adiposity after Extremely Preterm Birth. Pediatric Research, 2005, 57, 211-215.	1.1	261
52	Excess Visceral and Hepatic Adipose Tissue in Turner Syndrome Determined by Magnetic Resonance Imaging: Estrogen Deficiency Associated with Hepatic Adipose Content. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 2631-2635.	1.8	76
53	Elevated Fasting Plasma Ghrelin in Prader-Willi Syndrome Adults Is Not Solely Explained by Their Reduced Visceral Adiposity and Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1718-1726.	1.8	107
54	Human Metabolic Syndrome Resulting From Dominant-Negative Mutations in the Nuclear Receptor Peroxisome Proliferator-Activated Receptor-Â. Diabetes, 2003, 52, 910-917.	0.3	412

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55	Carbohydrate-induced manipulation of insulin sensitivity independently of intramyocellular lipids. British Journal of Nutrition, 2003, 89, 365-374.	1.2	29
56	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. American Journal of Clinical Nutrition, 2002, 75, 468-475.	2.2	98
57	Digenic inheritance of severe insulin resistance in a human pedigree. Nature Genetics, 2002, 31, 379-384.	9.4	134
58	Visceral Adipose Tissue and Metabolic Complications of Obesity Are Reduced in Prader-Willi Syndrome Female Adults: Evidence for Novel Influences on Body Fat Distribution. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4330-4338.	1.8	149
59	Preferential loss of visceral fat following aerobic exercise, measured by magnetic resonance imaging. Lipids, 2000, 35, 769-776.	0.7	88
60	In vivo evaluation of the effects of continuous exercise on skeletal muscle triglycerides in trained humans. Lipids, 2000, 35, 1313-1318.	0.7	55
61	Diversity in levels of intracellular total creatine and triglycerides in human skeletal muscles observed by¹H-MRS. Journal of Applied Physiology, 1999, 87, 2068-2072.	1.2	85
62	Intracellular and extracellular skeletal muscle triglyceride metabolism during alternating intensity exercise in humans. Journal of Physiology, 1998, 510, 615-622.	1.3	79
63	Magnetic resonance imaging of total body fat. Journal of Applied Physiology, 1998, 85, 1778-1785.	1.2	284
64	Development of a Rapid and Efficient Magnetic Resonance Imaging Technique for Analysis of Body Fat Distribution. , 1996, 9, 156-164.		23