Elizabeth J Parks

List of Publications by Year
in descending order

70 papers	8,375 citations	94381 37 h-index	106281 65 g-index
72 all docs	72 docs citations	72 times ranked	10369 citing authors

#	Article	IF	Citations
1	Sources of fatty acids stored in liver and secreted via lipoproteins in patients with nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2005, 115, 1343-1351.	3.9	2,731
2	Increased De Novo Lipogenesis Is a Distinct Characteristic of Individuals With Nonalcoholic Fatty Liver Disease. Gastroenterology, 2014, 146, 726-735.	0.6	741
3	Excessive Hepatic Mitochondrial TCA Cycle and Gluconeogenesis in Humans with Nonalcoholic Fatty Liver Disease. Cell Metabolism, 2011, 14, 804-810.	7.2	507
4	Carbohydrate-induced hypertriacylglycerolemia: historical perspective and review of biological mechanisms. American Journal of Clinical Nutrition, 2000, 71, 412-433.	2.2	457
5	Mitochondrial metabolism mediates oxidative stress and inflammation in fatty liver. Journal of Clinical Investigation, 2015, 125, 4447-4462.	3.9	320
6	Effects of a low-fat, high-carbohydrate diet on VLDL-triglyceride assembly, production, and clearance. Journal of Clinical Investigation, 1999, 104, 1087-1096.	3.9	280
7	Dietary Sugars Stimulate Fatty Acid Synthesis in Adults3. Journal of Nutrition, 2008, 138, 1039-1046.	1.3	237
8	Contributions of Different Fatty Acid Sources to Very Low-Density Lipoprotein-Triacylglycerol in the Fasted and Fed States. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 1446-1452.	1.8	221
9	Atf4 Regulates Obesity, Glucose Homeostasis, and Energy Expenditure. Diabetes, 2009, 58, 2565-2573.	0.3	206
10	Resistance Exercise and Supraphysiologic Androgen Therapy in Eugonadal Men With HIV-Related Weight Loss. JAMA - Journal of the American Medical Association, 1999, 281, 1282.	3.8	169
11	Temporal pattern of de novo lipogenesis in the postprandial state in healthy men1â€“3. American Journal of Clinical Nutrition, 2005, 81, 35-42.	2.2	151
12	Postprandial metabolism of meal triglyceride in humans. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 721-726.	1.2	136
13	Palmitoleic acid is elevated in fatty liver disease and reflects hepatic lipogenesis. American Journal of Clinical Nutrition, 2015, 101, 34-43.	2.2	128
14	Effect of Dietary Carbohydrate on Triglyceride Metabolism in Humans. Journal of Nutrition, 2001, 131, 2772S-2774S.	1.3	127
15	Role of Gut Microbiota and Short Chain Fatty Acids in Modulating Energy Harvest and Fat Partitioning in Youth. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4367-4376.	1.8	124
16	Energy-matched moderate and high intensity exercise training improves nonalcoholic fatty liver disease risk independent of changes in body mass or abdominal adiposity â€" A randomized trial. Metabolism: Clinical and Experimental, 2018, 78, 128-140.	1.5	94
17	Investigation of in vivo fatty acid metabolism in AFABP/aP2â^'/â^'mice. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E187-E193.	1.8	89
18	Fatty acid sources and their fluxes as they contribute to plasma triglyceride concentrations and fatty liver in humans. Current Opinion in Lipidology, 2014, 25, 213-220.	1.2	88

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19	Dynamics of Fat Absorption and Effect of Sham Feeding on Postprandial Lipema. Gastroenterology, 2010, 139, 1538-1548.	0.6	87
20	The Spot 14 Protein Is Required for de Novo Lipid Synthesis in the Lactating Mammary Gland. Endocrinology, 2005, 146, 3343-3350.	1.4	79
21	Fatty Acid Synthase Inhibitor TVBâ€2640 Reduces Hepatic de Novo Lipogenesis in Males With Metabolic Abnormalities. Hepatology, 2020, 72, 103-118.	3.6	76
22	Compromised hepatic mitochondrial fatty acid oxidation and reduced markers of mitochondrial turnover in human NAFLD. Hepatology, 2022, 76, 1452-1465.	3.6	75
23	(n-3) Fatty Acid Supplementation in Moderately Hypertriglyceridemic Adults Changes Postprandial Lipid and Apolipoprotein B Responses to a Standardized Test Meal. Journal of Nutrition, 1999, 129, 1126-1134.	1.3	73
24	Recent findings in the study of postprandial lipemia. Current Atherosclerosis Reports, 2001, 3, 462-470.	2.0	73
25	Postprandial changes in plasma acylcarnitine concentrations as markers of fatty acid flux in overweight and obesity. Metabolism: Clinical and Experimental, 2012, 61, 202-212.	1.5	71
26	Spillover of Dietary Fatty Acids and Use of Serum Nonesterified Fatty Acids for the Synthesis of VLDL-Triacylglycerol Under Two Different Feeding Regimens. Diabetes, 2005, 54, 2668-2673.	0.3	70
27	Thematic review series: Patient-Oriented Research. Recent advances in liver triacylglycerol and fatty acid metabolism using stable isotope labeling techniques. Journal of Lipid Research, 2006, 47, 1651-1660.	2.0	70
28	Hepatic De Novo Lipogenesis in Obese Youth Is Modulated by a Common Variant in the GCKR Gene. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E1125-E1132.	1.8	70
29	Dipeptidyl Peptidase-4 Inhibition Ameliorates Western Dietâ€“Induced Hepatic Steatosis and Insulin Resistance Through Hepatic Lipid Remodeling and Modulation of Hepatic Mitochondrial Function. Diabetes, 2015, 64, 1988-2001.	0.3	69
30	Effect of nâˆ’3 fatty acid-rich fish oil supplementation on the oxidation of low density lipoproteins. Lipids, 1994, 29, 233-236.	0.7	63
31	Increased Dietary Substrate Delivery Alters Hepatic Fatty Acid Recycling in Healthy Men. Diabetes, 2005, 54, 2694-2701.	0.3	58
32	VLDL-triglyceride production after alcohol ingestion, studied using [2-13C1] glycerol. Journal of Lipid Research, 1998, 39, 2319-2328.	2.0	55
33	Effects of a carotene-deficient diet on measures of oxidative susceptibility and superoxide dismutase activity in adult women. Free Radical Biology and Medicine, 1994, 17, 537-544.	1.3	54
34	Increased Lipogenesis and Fatty Acid Reesterification Contribute to Hepatic Triacylglycerol Stores in Hyperlipidemic Txnipâˆ’/âˆ’ Mice. Journal of Nutrition, 2004, 134, 1475-1480.	1.3	50
35	Changes in fat synthesis influenced by dietary macronutrient content. Proceedings of the Nutrition Society, 2002, 61, 281-286.	0.4	41
36	Enhanced Fatty Acid Flux Triggered by Adiponectin Overexpression. Endocrinology, 2012, 153, 113-122.	1.4	38

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37	Postprandial Metabolism of Macronutrients and Cardiometabolic Risk: Recent Developments, Emerging Concepts, and Future Directions. Advances in Nutrition, 2016, 7, 364-374.	2.9	35
38	Leptin decreases de novo lipogenesis in patients with lipodystrophy. JCI Insight, 2020, 5, .	2.3	35
39	Insulin Activation of Plasma Nonesterified Fatty Acid Uptake in Metabolic Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1799-1808.	1.1	25
40	Clinical Research Strategies for Fructose Metabolism. Advances in Nutrition, 2014, 5, 248-259.	2.9	23
41	Reduced insulin-mediated inhibition of VLDL secretion upon pharmacological activation of the liver X receptor in mice. Journal of Lipid Research, 2009, 50, 1374-1383.	2.0	22
42	Dependence of plasma Î±-tocopherol flux on very low-density triglyceride clearance in humans. Free Radical Biology and Medicine, 2000, 29, 1151-1159.	1.3	21
43	Out of the frying pan: dietary saturated fat influences nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2017, 127, 454-456.	3.9	21
44	Relationships between Very Lowâ€Density Lipoproteinsâ€“Ceramides, â^'Diacylglycerols, and â€“Triacylglycerols in Insulinâ€Resistant Men. Lipids, 2020, 55, 387-393.	0.7	15
45	Skeletal muscle microvascular insulin resistance in type 2 diabetes is not improved by eight weeks of regular walking. Journal of Applied Physiology, 2020, 129, 283-296.	1.2	15
46	Effect of carbohydrate restriction-induced weight loss on aortic pulse wave velocity in overweight men and women. Applied Physiology, Nutrition and Metabolism, 2018, 43, 1247-1256.	0.9	14
47	Critical Role for Hepatocyte-Specific eNOS in NAFLD and NASH. Diabetes, 2021, 70, 2476-2491.	0.3	14
48	Predictors of Plasma Triglyceride Elevation in Patients Participating in a Coronary Atherosclerosis Treatment Program. Journal of Cardiopulmonary Rehabilitation and Prevention, 2001, 21, 73-79.	0.5	13
49	Changes in Food Cravings and Eating Behavior after a Dietary Carbohydrate Restriction Intervention Trial. Nutrients, 2020, 12, 52.	1.7	12
50	Human intestinal lipid storage through sequential meals reveals faster dinner appearance is associated with hyperlipidemia. JCI Insight, 2021, 6, .	2.3	12
51	Selective cannabinoid-1 receptor blockade benefits fatty acid and triglyceride metabolism significantly in weight-stable nonhuman primates. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E624-E634.	1.8	11
52	Effects of a resistance training community programme in older adults. Ageing and Society, 2022, 42, 1863-1878.	1.2	11
53	Lactation Versus Formula Feeding: Insulin, Glucose, and Fatty Acid Metabolism During the Postpartum Period. Diabetes, 2020, 69, 1624-1635.	0.3	9
54	The Utility and Diagnostic Accuracy of Transient Elastography in Adults with Morbid Obesity: A Prospective Study. Journal of Clinical Medicine, 2022, 11, 1201.	1.0	8

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55	Protocol for the measurement of fatty acid and glycerol turnover in vivo in baboons. Journal of Lipid Research, 2011, 52, 1272-1280.	2.0	7
56	The Tailgate Study: Differing metabolic effects of a bout of excessive eating and drinking. Alcohol, 2021, 90, 45-55.	0.8	5
57	High-throughput LC-MS method to investigate postprandial lipemia: considerations for future precision nutrition research. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E702-E715.	1.8	5
58	Advances in Stable Isotope Tracer Methodology Part 1: Hepatic Metabolism via Isotopomer Analysis and Postprandial Lipolysis Modeling. Journal of Investigative Medicine, 2020, 68, 3-10.	0.7	5
59	A Model Incorporating Serum Alkaline Phosphatase for Prediction of Liver Fibrosis in Adults with Obesity and Nonalcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2021, 10, 3311.	1.0	4
60	An LC-MRM method for measuring intestinal triglyceride assembly using an oral stable isotope-labeled fat challenge. Bioanalysis, 2016, 8, 1265-1277.	0.6	3
61	Modest sleep restriction does not influence steps, physical activity intensity or glucose tolerance in obese adults. Journal of Sleep Research, 2021, 30, e13381.	1.7	3
62	A targeted goal for energy-restricted diets in the management of coronary risk?. American Journal of Clinical Nutrition, 2001, 73, 147-148.	2.2	2
63	Inverse relationship between very lowâ€density lipoprotein (VLDL) ceramides, diacylglycerols, and triacylglycerols in human hepatic lipid accumulation. FASEB Journal, 2019, 33, lb567.	0.2	1
64	Measurement of Î±-Tocopherol Turnover in Plasma and in Lipoproteins Using Stable Isotopes and Gas Chromatography/Mass Spectrometry. , 2002, 186, 209-220.		0
65	How sweet is acute exercise after pure fructose ingestion?. American Journal of Clinical Nutrition, 2016, 103, 301-302.	2.2	0
66	Short Term Glucagonâ€Like Peptideâ€1 Receptor Agonist Therapy Does Not Influence Hepatic De Novo Lipogenesis in Polycystic Ovary Syndrome. FASEB Journal, 2021, 35, .	0.2	0
67	An in vivo method for the measurement of cholesterol ester transfer protein (CETP) activity in humans. FASEB Journal, 2011, 25, 105.6.	0.2	0
68	Elongase of long chain fatty acids family 6 (ELOVL6) and stearoylâ€CoA desaturase â€1 (SCD1) indices suggests potential metabolic benefits in patients with a range of liver fat contents. FASEB Journal, 2012, 26, 1014.7.	0.2	0
69	Slower Rate of Fat Absorption at Dinner versus Lunch is Associated with Lower Concentrations of Triacylglycerols (TG) the Following Morning. FASEB Journal, 2015, 29, 744.7.	0.2	0
70	Tailgate Study: A Pilot Study Measuring the Impact of Food and Alcohol Intake on Wholeâ€body and Liver Metabolism. FASEB Journal, 2018, 32, 760.6.	0.2	0