

Barbara A Fielding

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,525
citations

236833

25
h-index

197736

49
g-index

56
all docs

56
docs citations

56
times ranked

3540
citing authors

#	ARTICLE	IF	CITATIONS
1	Downregulation of Adipose Tissue Fatty Acid Trafficking in Obesity. <i>Diabetes</i> , 2011, 60, 47-55.	0.3	397
2	Mechanisms for the acute effect of fructose on postprandial lipemia. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 1511-1520.	2.2	291
3	Postprandial lipemia: the origin of an early peak studied by specific dietary fatty acid intake during sequential meals. <i>American Journal of Clinical Nutrition</i> , 1996, 63, 36-41.	2.2	199
4	Lipoprotein lipase and the disposition of dietary fatty acids. <i>British Journal of Nutrition</i> , 1998, 80, 495-502.	1.2	191
5	The Role of Dietary Sugars and De novo Lipogenesis in Non-Alcoholic Fatty Liver Disease. <i>Nutrients</i> , 2014, 6, 5679-5703.	1.7	113
6	The Contribution of Splanchnic Fat to VLDL Triglyceride Is Greater in Insulin-Resistant Than Insulin-Sensitive Men and Women. <i>Diabetes</i> , 2007, 56, 2433-2441.	0.3	92
7	Exercise Prevents Fructose-Induced Hypertriglyceridemia in Healthy Young Subjects. <i>Diabetes</i> , 2013, 62, 2259-2265.	0.3	89
8	LRP5 Regulates Human Body Fat Distribution by Modulating Adipose Progenitor Biology in a Dose- and Depot-Specific Fashion. <i>Cell Metabolism</i> , 2015, 21, 262-273.	7.2	87
9	Fatty Acid-binding Protein 4, a Point of Convergence for Angiogenic and Metabolic Signaling Pathways in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 23168-23176.	1.6	75
10	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, 1008-1016.	2.2	65
11	Starchy Carbohydrates in a Healthy Diet: The Role of the Humble Potato. <i>Nutrients</i> , 2018, 10, 1764.	1.7	61
12	Rapid chylomicron appearance following sequential meals: effects of second meal composition. <i>British Journal of Nutrition</i> , 1998, 79, 425-429.	1.2	60
13	Tracing the fate of dietary fatty acids: metabolic studies of postprandial lipaemia in human subjects. <i>Proceedings of the Nutrition Society</i> , 2011, 70, 342-350.	0.4	57
14	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, 857-865.	1.2	57
15	Ethanol with a mixed meal increases postprandial triacylglycerol but decreases postprandial non-esterified fatty acid concentrations. <i>British Journal of Nutrition</i> , 2000, 83, 597-604.	1.2	51
16	Evaluation of the nutrient content of yogurts: a comprehensive survey of yogurt products in the major UK supermarkets. <i>BMJ Open</i> , 2018, 8, e021387.	0.8	50
17	Prolonged effects of modified sham feeding on energy substrate mobilization. <i>American Journal of Clinical Nutrition</i> , 2001, 73, 111-117.	2.2	48
18	Regulation of the plasma non-esterified fatty acid concentration in the postprandial state. <i>Proceedings of the Nutrition Society</i> , 1997, 56, 713-721.	0.4	47

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19	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.	0.7	44
20	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.	1.6	44
21	The effect of triacylglycerol-fatty acid positional distribution on postprandial metabolism in subcutaneous adipose tissue. <i>British Journal of Nutrition</i> , 1998, 79, 141-147.	1.2	37
22	Second meal effect: modified sham feeding does not provoke the release of stored triacylglycerol from a previous high-fat meal. <i>British Journal of Nutrition</i> , 2001, 85, 149-156.	1.2	33
23	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
24	Measurement of apolipoprotein B-48 in the Svedberg flotation rate (Sf) >400, Sf 60-400 and Sf 20-60 lipoprotein fractions reveals novel findings with respect to the effects of dietary fatty acids on triacylglycerol-rich lipoproteins in postmenopausal women. <i>Clinical Science</i> , 2002, 103, 227-237.	1.8	29
25	Transcriptomic analysis of human primary breast cancer identifies fatty acid oxidation as a target for metformin. <i>British Journal of Cancer</i> , 2020, 122, 258-265.	2.9	28
26	Foam Cells Control Mycobacterium tuberculosis Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 1394.	1.5	28
27	Sugar and metabolic health. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 303-309.	1.3	26
28	Trafficking and partitioning of fatty acids: the transition from fasted to fed state. <i>Clinical Lipidology</i> , 2010, 5, 131-144.	0.4	21
29	Role of the Enterocyte in Fructose-Induced Hypertriglyceridaemia. <i>Nutrients</i> , 2017, 9, 349.	1.7	21
30	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.	2.2	21
31	Polyunsaturated Fatty Acid Biosynthesis Involving Δ^8 Desaturation and Differential DNA Methylation of FADS2 Regulates Proliferation of Human Peripheral Blood Mononuclear Cells. <i>Frontiers in Immunology</i> , 2018, 9, 432.	2.2	20
32	Lixisenatide Reduces Chylomicron Triacylglycerol by Increased Clearance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 359-368.	1.8	19
33	Optimization of N -methyl-N -[tert -butyldimethylsilyl]trifluoroacetamide as a derivatization agent for determining isotopic enrichment of glycerol in very-low density lipoproteins. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 586-592.	0.7	10
34	The Effect of Fructose Feeding on Intestinal Triacylglycerol Production and De Novo Fatty Acid Synthesis in Humans. <i>Nutrients</i> , 2020, 12, 1781.	1.7	10
35	Triglyceride-rich lipoprotein metabolism in women: roles of apoB-II and apoB-III. <i>European Journal of Clinical Investigation</i> , 2016, 46, 730-736.	1.7	9
36	The Partitioning of Newly Assimilated Linoleic and Δ^8 -Linolenic Acids Between Synthesis of Longer-Chain Polyunsaturated Fatty Acids and Hydroxyoctadecaenoic Acids Is a Putative Branch Point in T-Cell Essential Fatty Acid Metabolism. <i>Frontiers in Immunology</i> , 2021, 12, 740749.	2.2	8

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37	The SGLT2 Inhibitor Dapagliflozin Increases the Oxidation of Ingested Fatty Acids to Ketones in Type 2 Diabetes. <i>Diabetes Care</i> , 2022, 45, 1408-1415.	4.3	8
38	Plasma mono-, di- and triacylglycerol measurements in a study of fat uptake by human adipose tissue <i>in vivo</i>. <i>Biochemical Society Transactions</i> , 1995, 23, 487S-487S.	1.6	7
39	Polyunsaturated fatty acid biosynthesis is involved in phenylephrine-mediated calcium release in vascular smooth muscle cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 101, 31-39.	1.0	6
40	Resistant Starch Production and Glucose Release from Pre-prepared Chilled Food: The SPUD Project. <i>Nutrition Bulletin</i> , 2021, 46, 52-59.	0.8	6
41	The cumulative effects of chilling and reheating a carbohydrate-based pasta meal on the postprandial glycaemic response: a pilot study. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 570-572.	1.3	6
42	Metabolism of individual fatty acids during infusion of a triacylglycerol emulsion. <i>Lipids</i> , 1999, 34, 535-541.	0.7	5
43	Intracerebroventricular Catalase Reduces Hepatic Insulin Sensitivity and Increases Responses to Hypoglycemia in Rats. <i>Endocrinology</i> , 2016, 157, 4669-4676.	1.4	5
44	How does polyunsaturated fatty acid biosynthesis regulate T lymphocyte function?. <i>Nutrition Bulletin</i> , 2019, 44, 350-355.	0.8	2
45	Dose Dependent Effects of Fructose and Glucose on de novo Palmitate and Glycerol Synthesis in an Enterocyte Cell Model. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100456.	1.5	2
46	The [¹³ C]octanoic acid breath test for gastric emptying quantification: A focus on nutrition and modeling. <i>Lipids</i> , 2022, 57, 205-219.	0.7	2
47	Individuals with moderately raised liver fat show a greater increase in liver fat in response to a high sugar diet. <i>Proceedings of the Nutrition Society</i> , 2012, 71, .	0.4	1
48	Demystifying Dietary Sugars. , 2022, , 319-328.		1
49	A large waist circumference is associated with higher liver fat in healthy pre-menopausal women in the absence of classical biochemical risk factors for CVD. <i>Proceedings of the Nutrition Society</i> , 2011, 70, .	0.4	0
50	Evaluation of fatty acid status in children of different nationalities. <i>Proceedings of the Nutrition Society</i> , 2015, 74, .	0.4	0
51	Editorial on writing reviews for the <i>British Journal of Nutrition</i>. <i>British Journal of Nutrition</i> , 2020, 123, 961-963.	1.2	0
52	Editorial: Foods and Macronutrients in NAFLD: Associations, Effects and Mechanisms. <i>Frontiers in Nutrition</i> , 2021, 8, 665436.	1.6	0
53	Exercise Prevents Fructose-induced Hypertriglyceridemia in Healthy Young Males. <i>FASEB Journal</i> , 2012, 26, 1032.2.	0.2	0