

Spencer D Proctor

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6031194/spencer-d-proctor-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

88

papers

3,368

citations

30

h-index

56

g-index

92

ext. papers

3,724

ext. citations

4.7

avg, IF

5.01

L-index

#	Paper	IF	Citations
88	Inhibition of de novo ceramide synthesis reverses diet-induced insulin resistance and enhances whole-body oxygen consumption. <i>Diabetes</i> , 2010 , 59, 2453-64	0.9	263
87	Small animal models of cardiovascular disease: tools for the study of the roles of metabolic syndrome, dyslipidemia, and atherosclerosis. <i>Cardiovascular Pathology</i> , 2006 , 15, 318-30	3.8	245
86	Effects of ruminant trans fatty acids on cardiovascular disease and cancer: a comprehensive review of epidemiological, clinical, and mechanistic studies. <i>Advances in Nutrition</i> , 2011 , 2, 332-54	10	176
85	Human health benefits of vaccenic acid. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009 , 34, 979-91	3	172
84	Brain inflammation is induced by co-morbidities and risk factors for stroke. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 1113-22	16.6	150
83	Arterial retention of apolipoprotein B(48)- and B(100)-containing lipoproteins in atherogenesis. <i>Current Opinion in Lipidology</i> , 2002 , 13, 461-70	4.4	147
82	Impaired de novo choline synthesis explains why phosphatidylethanolamine N-methyltransferase-deficient mice are protected from diet-induced obesity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 22403-13	5.4	131
81	Trans-11 vaccenic acid dietary supplementation induces hypolipidemic effects in JCR:LA-cp rats. <i>Journal of Nutrition</i> , 2008 , 138, 2117-22	4.1	131
80	Hypoxia-induced intrauterine growth restriction increases the susceptibility of rats to high-fat diet-induced metabolic syndrome. <i>Diabetes</i> , 2011 , 60, 507-16	0.9	105
79	Delayed administration of interleukin-1 receptor antagonist reduces ischemic brain damage and inflammation in comorbid rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 1810-9	7.3	105
78	Intimal retention of cholesterol derived from apolipoprotein B100- and apolipoprotein B48-containing lipoproteins in carotid arteries of Watanabe heritable hyperlipidemic rabbits. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 1595-600	9.4	101
77	Deficiency of carboxylesterase 1/esterase-x results in obesity, hepatic steatosis, and hyperlipidemia. <i>Hepatology</i> , 2012 , 56, 2188-98	11.2	95
76	Both intestinal and hepatic lipoprotein production are stimulated by an acute elevation of plasma free fatty acids in humans. <i>Circulation</i> , 2008 , 117, 2369-76	16.7	88
75	Retention of chylomicron remnants by arterial tissue; importance of an efficient clearance mechanism from plasma. <i>Atherosclerosis</i> , 1998 , 141 Suppl 1, S63-9	3.1	79
74	Arterial permeability and efflux of apolipoprotein B-containing lipoproteins assessed by in situ perfusion and three-dimensional quantitative confocal microscopy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2162-7	9.4	75
73	Vaccenic acid favourably alters immune function in obese JCR:LA-cp rats. <i>British Journal of Nutrition</i> , 2009 , 102, 526-36	3.6	64
72	Understanding postprandial inflammation and its relationship to lifestyle behaviour and metabolic diseases. <i>International Journal of Vascular Medicine</i> , 2012 , 2012, 947417	1.2	59

71	The role of ruminant trans fat as a potential nutraceutical in the prevention of cardiovascular disease. <i>Food Research International</i> , 2012 , 46, 460-468	7	54
70	Dietary supplementation of n-3 PUFA reduces weight gain and improves postprandial lipaemia and the associated inflammatory response in the obese JCR:LA-cp rat. <i>Diabetes, Obesity and Metabolism</i> , 2010 , 12, 139-47	6.7	53
69	Trans-11 vaccenic acid reduces hepatic lipogenesis and chylomicron secretion in JCR:LA-cp rats. <i>Journal of Nutrition</i> , 2009 , 139, 2049-54	4.1	53
68	Diets enriched in trans-11 vaccenic acid alleviate ectopic lipid accumulation in a rat model of NAFLD and metabolic syndrome. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 692-701	6.3	50
67	A highly sensitive assay for quantitation of apolipoprotein B48 using an antibody to human apolipoprotein B and enhanced chemiluminescence. <i>Annals of Clinical Biochemistry</i> , 1997 , 34 (Pt 2), 185-92	3.2	48
66	Chronic dietary n-3 PUFA intervention improves dyslipidaemia and subsequent cardiovascular complications in the JCR:LA-cp rat model of the metabolic syndrome. <i>British Journal of Nutrition</i> , 2011 , 105, 1572-82	3.6	46
65	Hypersensitivity of prediabetic JCR:LA-cp rats to fine airborne combustion particle-induced direct and noradrenergic-mediated vascular contraction. <i>Toxicological Sciences</i> , 2006 , 90, 385-91	4.4	42
64	A unique rodent model of cardiometabolic risk associated with the metabolic syndrome and polycystic ovary syndrome. <i>Endocrinology</i> , 2009 , 150, 4425-36	4.8	39
63	Increased hypolipidemic benefits of cis-9, trans-11 conjugated linoleic acid in combination with trans-11 vaccenic acid in a rodent model of the metabolic syndrome, the JCR:LA-cp rat. <i>Nutrition and Metabolism</i> , 2010 , 7, 60	4.6	36
62	Bioactivity and health effects of ruminant meat lipids. Invited Review. <i>Meat Science</i> , 2020 , 165, 108114	6.4	35
61	Choline supplementation protects against liver damage by normalizing cholesterol metabolism in Pemt/Ldlr knockout mice fed a high-fat diet. <i>Journal of Nutrition</i> , 2014 , 144, 252-7	4.1	35
60	The intestinal bioavailability of vaccenic acid and activation of peroxisome proliferator-activated receptor- α and β in a rodent model of dyslipidemia and the metabolic syndrome. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1234-46	5.9	31
59	Choline deficiency impairs intestinal lipid metabolism in the lactating rat. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1077-83	6.3	30
58	Elevated 20-HETE impairs coronary collateral growth in metabolic syndrome via endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H528-H540	5.2	27
57	Intestinal lipid transport and chylomicron production: possible links to exacerbated atherogenesis in a rodent model of the metabolic syndrome. <i>Atherosclerosis Supplements</i> , 2008 , 9, 69-76	1.7	27
56	Resistance exercise but not aerobic exercise lowers remnant-like lipoprotein particle cholesterol in type 2 diabetes: a randomized controlled trial. <i>Atherosclerosis</i> , 2010 , 213, 552-7	3.1	26
55	The Effect of PCSK9 Loss-of-Function Variants on the Postprandial Lipid and ApoB-Lipoprotein Response. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3452-3460	5.6	25
54	Current issues surrounding the definition of trans-fatty acids: implications for health, industry and food labels. <i>British Journal of Nutrition</i> , 2013 , 110, 1369-83	3.6	24

53	Feeding long-chain n-3 polyunsaturated fatty acids to obese leptin receptor-deficient JCR:LA-cp rats modifies immune function and lipid-raft fatty acid composition. <i>British Journal of Nutrition</i> , 2009 , 101, 1341-50	3.6	22
52	Is atherosclerosis exclusively a postprandial phenomenon?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 288-93	3	22
51	Impaired ApoB-Lipoprotein and Triglyceride Metabolism in Obese Adolescents With Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 970-982	5.6	20
50	Nutritional and Lipid Modulation of PCSK9: Effects on Cardiometabolic Risk Factors. <i>Journal of Nutrition</i> , 2017 , 147, 473-481	4.1	19
49	Vaccenic acid suppresses intestinal inflammation by increasing anandamide and related N-acylethanolamines in the JCR:LA-cp rat. <i>Journal of Lipid Research</i> , 2016 , 57, 638-49	6.3	19
48	miR-21 normalizes vascular smooth muscle proliferation and improves coronary collateral growth in metabolic syndrome. <i>FASEB Journal</i> , 2014 , 28, 4088-99	0.9	19
47	Dietary fish oil reduces glomerular injury and elevated renal hydroxyeicosatetraenoic acid levels in the JCR:LA-cp rat, a model of the metabolic syndrome. <i>British Journal of Nutrition</i> , 2013 , 110, 11-9	3.6	19
46	Overeating by young obesity-prone and lean rats caused by tastes associated with low energy foods. <i>Obesity</i> , 2007 , 15, 1969-79	8	19
45	Trans-11 vaccenic acid improves insulin secretion in models of type 2 diabetes in vivo and in vitro. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 846-57	5.9	18
44	Simvastatin treatment upregulates intestinal lipid secretion pathways in a rodent model of the metabolic syndrome. <i>Atherosclerosis</i> , 2014 , 232, 141-8	3.1	18
43	Vaccenic and elaidic acid modify plasma and splenocyte membrane phospholipids and mitogen-stimulated cytokine production in obese insulin resistant JCR: LA-cp rats. <i>Nutrients</i> , 2010 , 2, 181-97	6.7	17
42	Elevated 20-HETE in metabolic syndrome regulates arterial stiffness and systolic hypertension via MMP12 activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 117, 88-99	5.8	16
41	ApoA-1 infusion reduces arterial cholesterol and myocardial lesions in a rat model of cardiac dysfunction and insulin resistance. <i>Atherosclerosis</i> , 2012 , 222, 402-8	3.1	16
40	New insights into how the intestine can regulate lipid homeostasis and impact vascular disease: frontiers for new pharmaceutical therapies to lower cardiovascular disease risk. <i>Canadian Journal of Cardiology</i> , 2011 , 27, 183-91	3.8	16
39	Beneficial effects of vaccenic acid on postprandial lipid metabolism and dyslipidemia: Impact of natural trans-fats to improve CVD risk. <i>Lipid Technology</i> , 2010 , 22, 103-106		16
38	Hypolipidemic and cardioprotective benefits of a novel fireberry hawthorn fruit extract in the JCR:LA-cp rodent model of dyslipidemia and cardiac dysfunction. <i>Food and Function</i> , 2016 , 7, 3943-52	6.1	14
37	Rimonabant-mediated changes in intestinal lipid metabolism and improved renal vascular dysfunction in the JCR:LA-cp rat model of prediabetic metabolic syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G507-16	5.1	14
36	Cardiovascular function in male and female JCR:LA-cp rats: effect of high-fat/high-sucrose diet. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H742-H751	5.2	13

35	Metabolic effects of a novel silicate inositol complex of the nitric oxide precursor arginine in the obese insulin-resistant JCR:LA-cp rat. <i>Metabolism: Clinical and Experimental</i> , 2007 , 56, 1318-25	12.7	13
34	Pioglitazone inhibits HIF-1 α -dependent angiogenesis in rats by paracrine and direct effects on endothelial cells. <i>Journal of Molecular Medicine</i> , 2014 , 92, 497-507	5.5	12
33	miR-21-mediated decreased neutrophil apoptosis is a determinant of impaired coronary collateral growth in metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1323-35	5.2	11
32	Pair feeding-mediated changes in metabolism: stress response and pathophysiology in insulin-resistant, atherosclerosis-prone JCR:LA-cp rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E1078-87	6	11
31	Impaired postprandial metabolism of apolipoprotein B48-containing remnant particles in normolipidemic subjects with brittle type 1 diabetes. <i>Diabetes Care</i> , 2009 , 32, e21	14.6	9
30	Arterial retention of remnant lipoproteins ex vivo is increased in insulin resistance because of increased arterial biglycan and production of cholesterol-rich atherogenic particles that can be improved by ezetimibe in the JCR:LA-cp rat. <i>Journal of the American Heart Association</i> , 2012 , 1, e003434	6	9
29	Postprandial lipemia as an early predictor of cardiovascular complications in childhood obesity. <i>Journal of Clinical Lipidology</i> , 2009 , 3, 78-84	4.9	9
28	Mechanisms of Comorbidities Associated With the Metabolic Syndrome: Insights from the Corpulent Rat Strain. <i>Frontiers in Nutrition</i> , 2016 , 3, 44	6.2	9
27	Adiposity in Children and CVD Risk: ApoB48 Has a Stronger Association With Central Fat Than Classic Lipid Markers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2915-22	5.6	9
26	Beef Fat Enriched with Polyunsaturated Fatty Acid Biohydrogenation Products Improves Insulin Sensitivity Without Altering Dyslipidemia in Insulin Resistant JCR:LA-cp Rats. <i>Lipids</i> , 2016 , 51, 821-31	1.6	9
25	Accumulation of ceramide in slow-twitch muscle contributes to the development of insulin resistance in the obese JCR:LA-cp rat. <i>Experimental Physiology</i> , 2015 , 100, 730-41	2.4	8
24	Low birth weight causes insulin resistance and aberrant intestinal lipid metabolism independent of microbiota abundance in Landrace-Large White pigs. <i>FASEB Journal</i> , 2019 , 33, 9250-9262	0.9	7
23	ApoB48-remnant lipoproteins are associated with increased cardiometabolic risk in adolescents. <i>Atherosclerosis</i> , 2020 , 302, 20-26	3.1	7
22	Down-regulation of hypothalamic pro-opiomelanocortin (POMC) expression after weaning is associated with hyperphagia-induced obesity in JCR rats overexpressing neuropeptide Y. <i>British Journal of Nutrition</i> , 2014 , 111, 924-32	3.6	7
21	Cardiometabolic and reproductive benefits of early dietary energy restriction and voluntary exercise in an obese PCOS-prone rodent model. <i>Journal of Endocrinology</i> , 2015 , 226, 193-206	4.7	6
20	Feeding history and obese-prone genotype increase survival of rats exposed to a challenge of food restriction and wheel running. <i>Obesity</i> , 2012 , 20, 1787-95	8	6
19	Prior caloric restriction increases survival of prepubertal obese- and PCOS-prone rats exposed to a challenge of time-limited feeding and physical activity. <i>Journal of Applied Physiology</i> , 2013 , 114, 1158-64	3.7	6
18	Intestinal lymphatic HDL miR-223 and ApoA-I are reduced during insulin resistance and restored with niacin. <i>FASEB Journal</i> , 2018 , 32, 1602-1612	0.9	5

17	Interrelationship of CB1R and OBR pathways in regulation of metabolic, neuroendocrine, and behavioral responses to food restriction and voluntary wheel running. <i>Journal of Applied Physiology</i> , 2014 , 117, 97-104	3.7	4
16	Improving beef hamburger quality and fatty acid profiles through dietary manipulation and exploitation of fat depot heterogeneity. <i>Journal of Animal Science and Biotechnology</i> , 2014 , 5, 54	6	4
15	Novel Aspects of Nonfasting Lipemia in relation to Vascular Biology. <i>International Journal of Vascular Medicine</i> , 2012 , 2012, 419015	1.2	4
14	Long-Term Catheterization of the Intestinal Lymph Trunk and Collection of Lymph in Neonatal Pigs. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	3
13	ApoB48-Lipoproteins Are Associated with Cardiometabolic Risk in Adolescents with and without Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2020 , 4, bvaa061	0.4	3
12	Cardiomyocyte Antihypertrophic Effect of Adipose Tissue Conditioned Medium from Rats and Its Abrogation by Obesity is Mediated by the Leptin to Adiponectin Ratio. <i>PLoS ONE</i> , 2016 , 11, e0145992	3.7	3
11	The Interplay of Obesity, Dyslipidemia and Immune Dysfunction: A Brief Overview on Pathophysiology, Animal Models, and Nutritional Modulation.. <i>Frontiers in Nutrition</i> , 2022 , 9, 840209	6.2	3
10	The Influence of Diet and Sex on the Gut Microbiota of Lean and Obese JCR:LA- Rats. <i>Microorganisms</i> , 2021 , 9,	4.9	2
9	Emerging pathways in the regulation of whole body cholesterol flux: therapeutic opportunities to target atherosclerosis?. <i>Journal of Lipid Research</i> , 2014 , 55, 796-7	6.3	1
8	Macro- and Microvascular Disease in an Insulin-Resistant Pre-Diabetic Animal Model 2008 , 137-166		1
7	Dietary flaxseed reduces Myocardial Ischemic Lesions, improves cardiac function and lowers cholesterol levels despite the presence of severe obesity in JCR:LA-cp Rats. <i>Journal of Nutritional Biochemistry</i> , 2021 , 98, 108829	6.3	1
6	High Vaccenic Acid Content in Beef Fat Attenuates High Fat and High Carbohydrate Western Diet Induced Changes in Lipid Metabolism and Gut Microbiota in Pigs.. <i>Microorganisms</i> , 2021 , 9,	4.9	1
5	A Pilot Trial: Fish Oil and Metformin Effects on ApoB-Remnants and Triglycerides in Women With Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2021 , 5, bvab114	0.4	0
4	ApoB-lipoprotein remnant dyslipidemia and high-fat meal intolerance is associated with markers of cardiometabolic risk in youth with obesity. <i>Pediatric Obesity</i> , 2021 , 16, e12745	4.6	0
3	Influence of metabolic syndrome on post-stroke outcome, angiogenesis and vascular function in old rats determined by dynamic contrast enhanced MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1692-1706	7.3	0
2	Intestinal postprandial chylomicrons: state of the union between liver, gut and dyslipidemia?. <i>Future Lipidology</i> , 2008 , 3, 473-480		
1	Ruminant Trans Fat as Potential Nutraceutical Components to Prevent Cancer and Cardiovascular Disease235-262		