

Spencer D Proctor

List of Publications by Year in Descending Order

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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	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
87	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
86	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
85	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
84	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
83	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
82	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
81	ApoB48-remnant lipoproteins are associated with increased cardiometabolic risk in adolescents. <i>Atherosclerosis</i> , 2020 , 302, 20-26	3.1	7
80	Bioactivity and health effects of ruminant meat lipids. Invited Review. <i>Meat Science</i> , 2020 , 165, 108114	6.4	35
79	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
78	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
77	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
76	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
75	Nutritional and Lipid Modulation of PCSK9: Effects on Cardiometabolic Risk Factors. <i>Journal of Nutrition</i> , 2017 , 147, 473-481	4.1	19
74	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
73	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
72	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

71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
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	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
57	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
56	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
55	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
54	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

53	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
52	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
51	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
50	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
49	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
48	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
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	Deficiency of carboxylesterase 1/esterase-x results in obesity, hepatic steatosis, and hyperlipidemia. <i>Hepatology</i> , 2012 , 56, 2188-98	11.2	95
45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	Novel Aspects of Nonfasting Lipemia in relation to Vascular Biology. <i>International Journal of Vascular Medicine</i> , 2012 , 2012, 419015	1.2	4
37	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
36	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

35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	Human health benefits of vaccenic acid. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009 , 34, 979-91	3	172
19	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
18	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

17	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
16	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
15	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
14	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
13	Intestinal postprandial chylomicrons: state of the union between liver, gut and dyslipidemia?. <i>Future Lipidology</i> , 2008 , 3, 473-480		
12	Macro- and Microvascular Disease in an Insulin-Resistant Pre-Diabetic Animal Model 2008 , 137-166		1
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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), 185-9 ²	3.2	48
2	Is atherosclerosis exclusively a postprandial phenomenon?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 288-93	3	22
1	Ruminant Trans Fat as Potential Nutraceutical Components to Prevent Cancer and Cardiovascular Disease		235-262