

James M Ntambi

List of Publications by Citations

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110
papers

9,948
citations

48
h-index

99
g-index

120
ext. papers

11,001
ext. citations

5.8
avg, IF

6.18
L-index

#	Paper	IF	Citations
110	Loss of stearoyl-CoA desaturase-1 function protects mice against adiposity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11482-6	11.5	838
109	Role for stearoyl-CoA desaturase-1 in leptin-mediated weight loss. <i>Science</i> , 2002 , 297, 240-3	33.3	712
108	Adipocyte differentiation and gene expression. <i>Journal of Nutrition</i> , 2000 , 130, 3122S-3126S	4.1	550
107	Regulation of stearoyl-CoA desaturases and role in metabolism. <i>Progress in Lipid Research</i> , 2004 , 43, 91-104	10.3	509
106	Biochemical and physiological function of stearoyl-CoA desaturase. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E28-37	6	419
105	The biosynthesis of hepatic cholesterol esters and triglycerides is impaired in mice with a disruption of the gene for stearoyl-CoA desaturase 1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 30132-8	5.4	359
104	Stearoyl-CoA desaturase 1 deficiency increases fatty acid oxidation by activating AMP-activated protein kinase in liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6409-14	11.5	312
103	Hepatic stearoyl-CoA desaturase-1 deficiency protects mice from carbohydrate-induced adiposity and hepatic steatosis. <i>Cell Metabolism</i> , 2007 , 6, 484-96	24.6	301
102	Elevated stearoyl-CoA desaturase-1 expression in skeletal muscle contributes to abnormal fatty acid partitioning in obese humans. <i>Cell Metabolism</i> , 2005 , 2, 251-61	24.6	298
101	Relationship between stearoyl-CoA desaturase activity and plasma triglycerides in human and mouse hypertriglyceridemia. <i>Journal of Lipid Research</i> , 2002 , 43, 1899-907	6.3	296
100	Genetic control of de novo lipogenesis: role in diet-induced obesity. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2010 , 45, 199-214	8.7	283
99	Role of stearoyl-coenzyme A desaturase in regulating lipid metabolism. <i>Current Opinion in Lipidology</i> , 2008 , 19, 248-56	4.4	283
98	Stearoyl-CoA desaturase 1 gene expression is necessary for fructose-mediated induction of lipogenic gene expression by sterol regulatory element-binding protein-1c-dependent and -independent mechanisms. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25164-71	5.4	217
97	Role of stearoyl-coenzyme A desaturase in lipid metabolism. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2003 , 68, 113-21	2.8	207
96	Targeted disruption of stearoyl-CoA desaturase1 gene in mice causes atrophy of sebaceous and meibomian glands and depletion of wax esters in the eyelid. <i>Journal of Nutrition</i> , 2001 , 131, 2260-8	4.1	204
95	A lipogenic diet in mice with a disruption of the stearoyl-CoA desaturase 1 gene reveals a stringent requirement of endogenous monounsaturated fatty acids for triglyceride synthesis. <i>Journal of Lipid Research</i> , 2001 , 42, 1018-1024	6.3	202
94	Recent insights into stearoyl-CoA desaturase-1. <i>Current Opinion in Lipidology</i> , 2003 , 14, 255-61	4.4	191

93	Stearoyl-CoA desaturase-1 mediates the pro-lipogenic effects of dietary saturated fat. <i>Journal of Biological Chemistry</i> , 2007 , 282, 2483-93	5.4	169
92	Stearoyl-CoA desaturase 1 deficiency elevates insulin-signaling components and down-regulates protein-tyrosine phosphatase 1B in muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11110-5	11.5	151
91	Identification and characterization of murine SCD4, a novel heart-specific stearoyl-CoA desaturase isoform regulated by leptin and dietary factors. <i>Journal of Biological Chemistry</i> , 2003 , 278, 33904-11	5.4	148
90	Colocalization of SCD1 and DGAT2: implying preference for endogenous monounsaturated fatty acids in triglyceride synthesis. <i>Journal of Lipid Research</i> , 2006 , 47, 1928-39	6.3	143
89	Stearoyl CoA desaturase 1: role in cellular inflammation and stress. <i>Advances in Nutrition</i> , 2011 , 2, 15-22	10	137
88	Metabolomics reveals that hepatic stearoyl-CoA desaturase 1 downregulation exacerbates inflammation and acute colitis. <i>Cell Metabolism</i> , 2008 , 7, 135-47	24.6	130
87	The role of stearoyl-CoA desaturase in the control of metabolism. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005 , 73, 35-41	2.8	120
86	Stearoyl-CoA desaturase-1 deficiency reduces ceramide synthesis by downregulating serine palmitoyltransferase and increasing beta-oxidation in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E599-607	6	120
85	Stearoyl-CoA desaturase-2 gene expression is required for lipid synthesis during early skin and liver development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12501-6	11.5	113
84	Skin-specific deletion of stearoyl-CoA desaturase-1 alters skin lipid composition and protects mice from high fat diet-induced obesity. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19961-73	5.4	110
83	The role of stearoyl-CoA desaturase in obesity, insulin resistance, and inflammation. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1243, 47-53	6.5	104
82	Microbiota-Dependent Hepatic Lipogenesis Mediated by Stearoyl CoA Desaturase 1 (SCD1) Promotes Metabolic Syndrome in TLR5-Deficient Mice. <i>Cell Metabolism</i> , 2015 , 22, 983-96	24.6	102
81	Regulation of stearoyl-CoA desaturase expression. <i>Lipids</i> , 2004 , 39, 1061-5	1.6	99
80	Insights into Stearoyl-CoA Desaturase-1 Regulation of Systemic Metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 831-842	8.8	97
79	Cloning and characterization of the human stearoyl-CoA desaturase gene promoter: transcriptional activation by sterol regulatory element binding protein and repression by polyunsaturated fatty acids and cholesterol. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 284, 1194-8	3.4	97
78	Polyunsaturated fatty acid regulation of gene expression. <i>Journal of Molecular Neuroscience</i> , 2001 , 16, 273-8; discussion 279-84	3.3	91
77	The role of stearoyl-CoA desaturase in body weight regulation. <i>Trends in Cardiovascular Medicine</i> , 2004 , 14, 77-81	6.9	90
76	Lack of stearoyl-CoA desaturase 1 upregulates basal thermogenesis but causes hypothermia in a cold environment. <i>Journal of Lipid Research</i> , 2004 , 45, 1674-82	6.3	85

75	Oleoyl-CoA is the major de novo product of stearoyl-CoA desaturase 1 gene isoform and substrate for the biosynthesis of the Harderian gland 1-alkyl-2,3-diacylglycerol. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39455-61	5.4	84
74	Identification of mouse palmitoyl-coenzyme A Delta9-desaturase. <i>Journal of Lipid Research</i> , 2006 , 47, 700-4	6.3	81
73	Stearoyl-CoA desaturase-1 deficiency attenuates obesity and insulin resistance in leptin-resistant obese mice. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 818-22	3.4	77
72	Stearoyl-CoA Desaturase Promotes Liver Fibrosis and Tumor Development in Mice via a Wnt Positive-Signaling Loop by Stabilization of Low-Density Lipoprotein-Receptor-Related Proteins 5 and 6. <i>Gastroenterology</i> , 2017 , 152, 1477-1491	13.3	75
71	Membrane topology of mouse stearoyl-CoA desaturase 1. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1251-60	5.4	70
70	Liver gene expression analysis reveals endoplasmic reticulum stress and metabolic dysfunction in SCD1-deficient mice fed a very low-fat diet. <i>Physiological Genomics</i> , 2008 , 33, 361-72	3.6	66
69	Stearoyl-CoA desaturase 1 deficiency increases insulin signaling and glycogen accumulation in brown adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E381-7	6	64
68	Differential regulation of the stearoyl-CoA desaturase genes by thiazolidinediones in 3T3-L1 adipocytes. <i>Journal of Lipid Research</i> , 2000 , 41, 1310-1316	6.3	59
67	Lack of stearoyl-CoA desaturase-1 function induces a palmitoyl-CoA Delta6 desaturase and represses the stearoyl-CoA desaturase-3 gene in the preputial glands of the mouse. <i>Journal of Lipid Research</i> , 2002 , 43, 2146-54	6.3	53
66	Loss of stearoyl-CoA desaturase 1 inhibits fatty acid oxidation and increases glucose utilization in the heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E357-64	6	50
65	Polyunsaturated fatty acids inhibit hepatic stearoyl-CoA desaturase-1 gene in diabetic mice. <i>Lipids</i> , 1996 , 31 Suppl, S33-6	1.6	50
64	Association of stearoyl-CoA desaturase 1 activity with familial combined hyperlipidemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1193-9	9.4	49
63	Cholestasis and hypercholesterolemia in SCD1-deficient mice fed a low-fat, high-carbohydrate diet. <i>Journal of Lipid Research</i> , 2006 , 47, 2668-80	6.3	48
62	Loss of stearoyl-CoA desaturase 1 rescues cardiac function in obese leptin-deficient mice. <i>Journal of Lipid Research</i> , 2010 , 51, 2202-10	6.3	40
61	Combined deletion of SCD1 from adipose tissue and liver does not protect mice from obesity. <i>Journal of Lipid Research</i> , 2012 , 53, 1646-53	6.3	40
60	Saturated phosphatidic acids mediate saturated fatty acid-induced vascular calcification and lipotoxicity. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4544-58	15.9	40
59	Role of Oleic Acid in the Gut-Liver Axis: From Diet to the Regulation of Its Synthesis via Stearoyl-CoA Desaturase 1 (SCD1). <i>Nutrients</i> , 2019 , 11,	6.7	38
58	Hepatic oleate regulates adipose tissue lipogenesis and fatty acid oxidation. <i>Journal of Lipid Research</i> , 2015 , 56, 304-18	6.3	38

57	Role of stearoyl-CoA desaturase-1 in skin integrity and whole body energy balance. <i>Journal of Biological Chemistry</i> , 2014 , 289, 2482-8	5-4	38
56	SCD1 activity in muscle increases triglyceride PUFA content, exercise capacity, and PPAR α expression in mice. <i>Journal of Lipid Research</i> , 2013 , 54, 2636-46	6-3	37
55	Effects of conjugated linoleic acid (CLA) on immune responses, body composition and stearoyl-CoA desaturase. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2002 , 27, 617-28		36
54	Deletion of Stearoyl-CoA Desaturase-1 From the Intestinal Epithelium Promotes Inflammation and Tumorigenesis, Reversed by Dietary Oleate. <i>Gastroenterology</i> , 2018 , 155, 1524-1538.e9	13-3	36
53	Characterization of phospholipids in insulin secretory granules and mitochondria in pancreatic beta cells and their changes with glucose stimulation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 11075-92	5-4	34
52	Metabolic changes in skin caused by Scd1 deficiency: a focus on retinol metabolism. <i>PLoS ONE</i> , 2011 , 6, e19734	3-7	32
51	Adipose-specific deletion of stearoyl-CoA desaturase 1 up-regulates the glucose transporter GLUT1 in adipose tissue. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 399, 480-6	3-4	32
50	Localization of a negative thyroid hormone-response region in hepatic stearoyl-CoA desaturase gene 1. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 233, 838-43	3-4	31
49	Lipidomic insight into cardiovascular diseases. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 504, 590-595	3-4	30
48	Oleate activates SREBP-1 signaling activity in α -deficient hepatocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 313, E710-E720	6	28
47	Hepatic oleate regulates liver stress response partially through PGC-1 α during high-carbohydrate feeding. <i>Journal of Hepatology</i> , 2016 , 65, 103-112	13-4	25
46	Stearoyl-CoA desaturase-1 impairs the reparative properties of macrophages and microglia in the brain. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16-6	25
45	Loss of stearoyl-CoA desaturase activity leads to free cholesterol synthesis through increased Xbp-1 splicing. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E1066-75	6	23
44	Characterization of Acyl-CoA synthetase isoforms in pancreatic beta cells: Gene silencing shows participation of ACSL3 and ACSL4 in insulin secretion. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 618, 32-43	4-1	21
43	Stearoyl-CoA desaturase: A novel control point of lipid metabolism and insulin sensitivity. <i>European Journal of Lipid Science and Technology</i> , 2008 , 110, 93-100	3	20
42	SCD1 deficiency protects mice against ethanol-induced liver injury. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 1662-1670	5	17
41	Uncoupling protein-1 deficiency promotes brown adipose tissue inflammation and ER stress. <i>PLoS ONE</i> , 2018 , 13, e0205726	3-7	15
40	Stearoyl-CoA desaturase 1 deficiency reduces lipid accumulation in the heart by activating lipolysis independently of peroxisome proliferator-activated receptor α <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 2029-2037	5	14

39	Fungal Morphology, Iron Homeostasis, and Lipid Metabolism Regulated by a GATA Transcription Factor in <i>Blastomyces dermatitidis</i> . <i>PLoS Pathogens</i> , 2015 , 11, e1004959	7.6	14
38	Plasma diacylglycerol composition is a biomarker of metabolic syndrome onset in rhesus monkeys. <i>Journal of Lipid Research</i> , 2015 , 56, 1461-70	6.3	13
37	Compensatory increases in tear volume and mucin levels associated with meibomian gland dysfunction caused by stearoyl-CoA desaturase-1 deficiency. <i>Scientific Reports</i> , 2018 , 8, 3358	4.9	12
36	Multiple Sclerosis: Lipids, Lymphocytes, and Vitamin D. <i>Immunometabolism</i> , 2020 , 2,	4.1	12
35	Physical Activity, Sleep, and BMI Percentile in Rural and Urban Ugandan Youth. <i>Annals of Global Health</i> , 2017 , 83, 311-319	3.3	10
34	SCD1 regulates the AMPK/SIRT1 pathway and histone acetylation through changes in adenine nucleotide metabolism in skeletal muscle. <i>Journal of Cellular Physiology</i> , 2020 , 235, 1129-1140	7	10
33	Role of enterocyte stearoyl-Co-A desaturase-1 in LDLR-null mice. <i>Journal of Lipid Research</i> , 2018 , 59, 1818-1840	6.3	8
32	PGC-1a integrates a metabolism and growth network linked to caloric restriction. <i>Aging Cell</i> , 2019 , 18, e12999	9.9	8
31	Hepatic stearoyl CoA desaturase 1 deficiency increases glucose uptake in adipose tissue partially through the PGC-1 β /FGF21 axis in mice. <i>Journal of Biological Chemistry</i> , 2019 , 294, 19475-19485	5.4	8
30	Differential Effects of Dietary Fat Content and Protein Source on Bone Phenotype and Fatty Acid Oxidation in Female C57Bl/6 Mice. <i>PLoS ONE</i> , 2016 , 11, e0163234	3.7	8
29	Evaporative cooling provides a major metabolic energy sink. <i>Molecular Metabolism</i> , 2019 , 27, 47-61	8.8	7
28	Hepatic Stearoyl-CoA desaturase-1 deficiency-mediated activation of mTORC1- PGC-1 β axis regulates ER stress during high-carbohydrate feeding. <i>Scientific Reports</i> , 2019 , 9, 15761	4.9	6
27	Proproliferative function of adaptor protein GRB10 in prostate carcinoma. <i>FASEB Journal</i> , 2019 , 33, 3198-32116	8.3	6
26	Interleukin-6 derived from cutaneous deficiency of stearoyl-CoA desaturase- 1 may mediate metabolic organ crosstalk among skin, adipose tissue and liver. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 508, 87-91	3.4	5
25	The role of suppression of hepatic SCD1 expression in the metabolic effects of dietary methionine restriction. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 123-130	3	4
24	Increased hydrophilic plasma bile acids are correlated with protection from adiposity in skin-specific stearoyl-CoA desaturase-1 deficient mice. <i>PLoS ONE</i> , 2018 , 13, e0199682	3.7	2
23	Global deficiency of stearoyl-CoA desaturase-2 protects against diet-induced adiposity. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 527, 589-595	3.4	1
22	Co-conspirators in a new mechanism for the degradation of Δ^9 -desaturase. <i>Journal of Biological Chemistry</i> , 2017 , 292, 19987-19988	5.4	1

21	Ingestion of fat tissue from wolf prey species and its influence on fatty-acid composition in sled dogs. <i>Wildlife Society Bulletin</i> , 2014 , 38, 51-59	1.4	1
20	Global deletion of lipocalin 2 does not reverse high-fat diet-induced obesity resistance in stearoyl-CoA desaturase-1 skin-specific knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 578-83	3.4	1
19	Lipid metabolism and signaling in cancer 2020 , 455-467		1
18	miRNAs Caught Up in Metabolic Organ Crosstalk to Combat Obesity. <i>EBioMedicine</i> , 2016 , 5, 10-1	8.8	1
17	Stearoyl-CoA Desaturase Deficiency, Hypercholesterolaemia, Cholestasis and Diabetes. <i>Novartis Foundation Symposium</i> , 47-57		1
16	Lipid Transport in Brown Adipocyte Thermogenesis.. <i>Frontiers in Physiology</i> , 2021 , 12, 787535	4.6	1
15	Fatty acid desaturation and elongation in mammals 2021 , 201-226		0
14	Prostanoid FP2 Receptor. <i>Expert Opinion on Therapeutic Targets</i> , 1997 , 1, 237-240		
13	Loss of SCD1 unexpectedly worsens diabetes in leptin-deficient obese mice. <i>FASEB Journal</i> , 2006 , 20, A136	0.9	
12	SCD1 is essential for the prevention of hypercholesterolemia and hepatic dysfunction elicited by a very low-fat, high carbohydrate diet. <i>FASEB Journal</i> , 2006 , 20, A860	0.9	
11	Stearoyl CoA desaturase-1 mediates the pro-lipogenic effects of dietary saturated fat. <i>FASEB Journal</i> , 2007 , 21, A109	0.9	
10	Hepatic SCD1 deficiency does not protect against plasma and hepatic lipid accumulation associated with T0901317-mediated LXR activation. <i>FASEB Journal</i> , 2007 , 21, A605	0.9	
9	Investigating the anti-hypertriglyceridemic effect of Stearoyl-CoA Desaturase 1 deficiency under liver X receptor activation. <i>FASEB Journal</i> , 2008 , 22, 807.14	0.9	
8	SCD1 deficiency decreases hepatic lipogenesis and improves insulin sensitivity in obese mice in the presence of leptin. <i>FASEB Journal</i> , 2008 , 22, 643.5	0.9	
7	IL-6 and Bile Acids are Skin-Derived Factors that Regulate Whole-Body Metabolism in SCD1 Deficient Mice. <i>FASEB Journal</i> , 2018 , 32, 539.10	0.9	
6	Stearoyl-CoA desaturase-3 mediates the regulation of adipose and hepatic murine lipid metabolism (605.1). <i>FASEB Journal</i> , 2014 , 28, 605.1	0.9	
5	Global lipocalin 2 deletion does not reverse high-fat diet-induced obesity resistance in mice lacking skin stearoyl-CoA desaturase-1 (605.10). <i>FASEB Journal</i> , 2014 , 28, 605.10	0.9	
4	Skin-specific stearoyl-CoA desaturase 1 deficiency protects against adiposity by enhancing IL-6 expression. <i>FASEB Journal</i> , 2017 , 31, 947.1	0.9	

- 3 Role of Hepatic Monounsaturated Fatty Acid Synthesis in Metabolic Regulation. *FASEB Journal*, **2012**, 26, 596.1 0.9
- 2 The role of stearyl-CoA desaturase-3 in lipid metabolism. *FASEB Journal*, **2013**, 27, 563.5 0.9
- 1 Stearyl-CoA desaturase-2 deficiency protects mice against high fat diet-induced adiposity (605.16). *FASEB Journal*, **2014**, 28, 605.16 0.9