

Stearoyl CoA Desaturase 1: Role in Cellular Inflammation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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.	1.8	133
2	Early feeding and dietary lipids affect broiler tissue fatty acids, vitamin E status, and cyclooxygenase-2 protein expression upon lipopolysaccharide challenge. <i>Poultry Science</i> , 2011, 90, 2790-2800.	1.5	13
3	Gut Microbiota Drives Metabolic Disease in Immunologically Altered Mice. <i>Advances in Immunology</i> , 2012, 116, 93-112.	1.1	40
4	Plasma concentration of cis 9trans 11 CLA in males and females is influenced by SCD1 genetic variations and hormonal contraceptives: a cross-sectional study. <i>Nutrition and Metabolism</i> , 2013, 10, 50.	1.3	16
5	A fish protein hydrolysate alters fatty acid composition in liver and adipose tissue and increases plasma carnitine levels in a mouse model of chronic inflammation. <i>Lipids in Health and Disease</i> , 2013, 12, 143.	1.2	41
6	Stearoyl-CoA Desaturase Genes in Lipid Metabolism. , 2013, , .		9
7	Tissue fatty acid composition in obstructive sleep apnea and recurrent tonsillitis. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2013, 77, 1008-1012.	0.4	7
8	Effects of mPGES-1 deletion on eicosanoid and fatty acid profiles in mice. <i>Prostaglandins and Other Lipid Mediators</i> , 2013, 107, 18-25.	1.0	30
9	Molecular network analysis of phosphotyrosine and lipid metabolism in hepatic PTP1b deletion mice. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 940.	0.6	19
10	Inhibition of Stearoyl-CoA Desaturase 1 Reduces Lipogenesis in Primary Bovine Adipocytes. <i>Lipids</i> , 2013, 48, 967-976.	0.7	35
11	Relationship between Acute Phase Proteins and Serum Fatty Acid Composition in Morbidly Obese Patients. <i>Disease Markers</i> , 2013, 35, 105-112.	0.6	6
12	Dietary carnosis acid suppresses hepatic steatosis formation via regulation of hepatic fatty acid metabolism in high-fat diet-fed mice. <i>Nutrition Research and Practice</i> , 2013, 7, 294.	0.7	44
13	SIRT1-metabolite binding histone macroH2A1.1 protects hepatocytes against lipid accumulation. <i>Aging</i> , 2014, 6, 35-47.	1.4	51
14	Maternal Magnesium Deficiency in Mice Leads to Maternal Metabolic Dysfunction and Altered Lipid Metabolism with Fetal Growth Restriction. <i>Molecular Medicine</i> , 2014, 20, 332-340.	1.9	25
15	Role of Stearoyl-CoA Desaturase-1 in Skin Integrity and Whole Body Energy Balance. <i>Journal of Biological Chemistry</i> , 2014, 289, 2482-2488.	1.6	62
16	Inhibition of stearoyl-CoA desaturase-1 in differentiating 3T3-L1 preadipocytes upregulates elongase 6 and downregulates genes affecting triacylglycerol synthesis. <i>International Journal of Obesity</i> , 2014, 38, 1449-1456.	1.6	48
17	A high-fat diet suppresses de novo lipogenesis and desaturation but not elongation and triglyceride synthesis in mice. <i>Journal of Lipid Research</i> , 2014, 55, 2541-2553.	2.0	141
18	Fatty acid desaturation index in human plasma: comparison of different analytical methodologies for the evaluation of diet effects. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6399-6408.	1.9	9

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19	Increased FADS2-Derived n-6 PUFAs and Reduced n-3 PUFAs in Plasma of Atopic Dermatitis Patients. <i>Skin Pharmacology and Physiology</i> , 2014, 27, 242-248.	1.1	8
20	Effects of maternal dietary olive oil on pathways involved in diabetic embryopathy. <i>Reproductive Toxicology</i> , 2014, 49, 185-195.	1.3	13
21	Dietary enrichment with alpha-linolenic acid during pregnancy attenuates insulin resistance in adult offspring in mice. <i>Archives of Physiology and Biochemistry</i> , 2014, 120, 99-111.	1.0	20
22	Transcriptional programs of lymphoid tissue capillary and high endothelium reveal control mechanisms for lymphocyte homing. <i>Nature Immunology</i> , 2014, 15, 982-995.	7.0	144
23	Microglial Cell Activation Increases Saturated and Decreases Monounsaturated Fatty Acid Content, but Both Lipid Species are Proinflammatory. <i>Lipids</i> , 2014, 49, 305-316.	0.7	61
24	Mesenchymal Stem Cells Reduce Murine Atherosclerosis Development. <i>Scientific Reports</i> , 2015, 5, 15559.	1.6	49
25	Arachidonic acid has a dominant effect to regulate lipogenic genes in 3T3-L1 adipocytes compared to omega-3 fatty acids. <i>Food and Nutrition Research</i> , 2015, 59, 25866.	1.2	12
26	MRS measured fatty acid composition of periprostatic adipose tissue correlates with pathological measures of prostate cancer aggressiveness. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 651-657.	1.9	16
27	Elaidate, an 18â€Carbon Transâ€monoenoic Fatty Acid, but Not Physiological Fatty Acids Increases Intracellular Zn²⁺ in Human Macrophages. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 524-532.	1.2	8
28	Differences in the Serum Nonesterified Fatty Acid Profile of Young Women Associated with a Recent History of Gestational Diabetes and Overweight/Obesity. <i>PLoS ONE</i> , 2015, 10, e0128001.	1.1	21
29	Intake of farmed Atlantic salmon fed soybean oil increases hepatic levels of arachidonic acid-derived oxylipins and ceramides in mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 585-595.	1.9	30
30	Tollâ€like receptor 5 in obesity: The role of gut microbiota and adipose tissue inflammation. <i>Obesity</i> , 2015, 23, 581-590.	1.5	50
31	Ï‰-3 Fatty acids reverse lipotoxicity through induction of autophagy in nonalcoholic fatty liver disease. <i>Nutrition</i> , 2015, 31, 1423-1429.e2.	1.1	26
32	Elucidating the roles of stearoyl-CoA desaturase 1 in adipocyte fatty acid metabolism and cellular function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1313-1313.	0.9	1
33	A dietary phytochemical blend prevents liver damage associated with adipose tissue mobilization in ovariectomized rats. <i>Obesity</i> , 2015, 23, 112-119.	1.5	20
34	Effects of tail docking on the expression of genes related to lipid metabolism in Lanzhou fat-tailed sheep. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	6
35	A lipidomics investigation into the intervention of celastrol in experimental colitis. <i>Molecular BioSystems</i> , 2016, 12, 1436-1444.	2.9	25
36	Stearoyl-CoA desaturase 1 expression is downregulated in liver and udder during E. coli mastitis through enhanced expression of repressive C/EBP factors and reduced expression of the inducer SREBP1A. <i>BMC Molecular Biology</i> , 2016, 17, 16.	3.0	16

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37	Perilipin-2 Deletion Impairs Hepatic Lipid Accumulation by Interfering with Sterol Regulatory Element-binding Protein (SREBP) Activation and Altering the Hepatic Lipidome. <i>Journal of Biological Chemistry</i> , 2016, 291, 24231-24246.	1.6	71
38	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.	1.2	26
39	A comprehensive study of serum odd- and branched-chain fatty acids in patients with excess weight. <i>Obesity</i> , 2016, 24, 1669-1676.	1.5	78
40	Stearoyl-CoA desaturase-1 and adaptive stress signaling. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1719-1726.	1.2	36
41	Linseed as a Functional Food for the Management of Obesity. , 2016, , 173-187.		2
42	The relationship of the oleic acid level and ECHDC3 mRNA expression with the extent of coronary lesion. <i>Lipids in Health and Disease</i> , 2016, 15, 144.	1.2	11
43	Mincle-mediated translational regulation is required for strong nitric oxide production and inflammation resolution. <i>Nature Communications</i> , 2016, 7, 11322.	5.8	50
44	Deficiency of stearoyl-CoA desaturase-1 aggravates colitogenic potential of adoptively transferred effector T cells. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G713-G723.	1.6	6
45	Repeated ozone exposure exacerbates insulin resistance and activates innate immune response in genetically susceptible mice. <i>Inhalation Toxicology</i> , 2016, 28, 383-392.	0.8	31
46	Conjugated linoleic acids influence fatty acid metabolism in ovine ruminal epithelial cells. <i>Journal of Dairy Science</i> , 2016, 99, 3081-3095.	1.4	2
47	The impact of <i>Salmonella</i> Enteritidis on lipid accumulation in chicken hepatocytes. <i>Avian Pathology</i> , 2016, 45, 450-457.	0.8	12
48	Altered Saturated and Monounsaturated Plasma Phospholipid Fatty Acid Profiles in Adult Males with Colon Adenomas. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016, 25, 498-506.	1.1	32
49	Targeting lipid metabolism for the treatment of anaplastic thyroid carcinoma. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 159-166.	1.5	12
50	The role of stearoyl-coenzyme A desaturase 1 in clear cell renal cell carcinoma. <i>Tumor Biology</i> , 2016, 37, 479-489.	0.8	12
51	SCD1 mediates the influence of exogenous saturated and monounsaturated fatty acids in adipocytes: Effects on cellular stress, inflammatory markers and fatty acid elongation. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 241-248.	1.9	17
52	Nature and nurture in atherosclerosis: The roles of acylcarnitine and cell membrane-fatty acid intermediates. <i>Vascular Pharmacology</i> , 2016, 78, 17-23.	1.0	21
53	N-3 fatty acids reduced trans fatty acids retention and increased docosahexaenoic acid levels in the brain. <i>Nutritional Neuroscience</i> , 2017, 20, 424-435.	1.5	7
54	Altered fatty acid metabolism and reduced stearoyl-coenzyme a desaturase activity in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1744-1752.	2.7	29

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55	Changes in SCD gene DNA methylation after bariatric surgery in morbidly obese patients are associated with free fatty acids. <i>Scientific Reports</i> , 2017, 7, 46292.	1.6	16
56	Alterations of specific lipid groups in serum of obese humans: a review. <i>Obesity Reviews</i> , 2017, 18, 247-272.	3.1	68
57	Polymorphisms of the TNF- α gene interact with plasma fatty acids on inflammatory biomarker profile: a population-based, cross-sectional study in São Paulo, Brazil. <i>British Journal of Nutrition</i> , 2017, 117, 1663-1673.	1.2	11
58	Changes induced by non-alcoholic fatty liver disease in liver sinusoidal endothelial cells and hepatocytes: spectroscopic imaging of single live cells at the subcellular level. <i>Analyst</i> , 2017, 142, 3948-3958.	1.7	12
59	The Significance of Epidermal Lipid Metabolism in Whole-Body Physiology. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 669-683.	3.1	36
60	Association of desaturase activity and C-reactive protein in European children. <i>Pediatric Research</i> , 2017, 81, 27-32.	1.1	1
61	Observation-driven inquiry: Raman spectroscopic imaging illuminates cancer lipid metabolism. <i>Stem Cell Investigation</i> , 2017, 4, 42-42.	1.3	0
62	Patterns of mitochondrial membrane remodeling parallel functional adaptations to thermal stress. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	39
63	Steroid-depleted polycystic ovarian syndrome serum promotes <i>in vitro</i> oocyte maturation and embryo development. <i>Gynecological Endocrinology</i> , 2018, 34, 698-703.	0.7	3
64	Epigenetic mechanisms contribute to decrease stearoyl-CoA desaturase 1 expression in the liver of dairy cows after prolonged feeding of high-concentrate diet. <i>Journal of Dairy Science</i> , 2018, 101, 2506-2518.	1.4	18
65	Coding and long non-coding RNAs regulating adult migratory locust (<i>Locusta migratoria</i>) brain polyphenism revealed via whole transcriptome analyses. <i>Journal of Asia-Pacific Entomology</i> , 2018, 21, 58-68.	0.4	4
66	G protein-coupled estrogen receptor (GPER) deficiency induces cardiac remodeling through oxidative stress. <i>Translational Research</i> , 2018, 199, 39-51.	2.2	41
67	Breastmilk with a high omega-6 to omega-3 fatty acid ratio induced cellular events similar to insulin resistance and obesity in 3T3-L1 adipocytes. <i>Pediatric Obesity</i> , 2018, 13, 285-291.	1.4	14
68	Betaine and arginine supplementation of low protein diets improves plasma lipids but does not affect hepatic fatty acid composition and related gene expression profiling in pigs. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 598-608.	1.7	6
69	Regulation of lipid metabolism in adipose depots of fat-tailed and thin-tailed lambs during negative and positive energy balances. <i>Gene</i> , 2018, 641, 203-211.	1.0	24
70	Iron, Oxidative Stress, and δ^9 Stearoyl-CoenzymeA Desaturase Index (C16:1/C16:0): An Analysis Applying the National Health and Nutrition Examination Survey 2003-04. <i>Current Developments in Nutrition</i> , 2018, 2, nzx001.	0.1	30
71	Implantation of Neural Probes in the Brain Elicits Oxidative Stress. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 9.	2.0	74
72	Common and differential transcriptional responses to different models of traumatic stress exposure in rats. <i>Translational Psychiatry</i> , 2018, 8, 165.	2.4	2

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73	Assessing the impact of wastewater treatment plant effluent on downstream drinking water-source quality using a zebrafish (<i>Danio Rerio</i>) liver cell-based metabolomics approach. <i>Water Research</i> , 2018, 145, 198-209.	5.3	29
74	Arachidonic acid-derived hydroxyeicosatetraenoic acids are positively associated with colon polyps in adult males: a cross-sectional study. <i>Scientific Reports</i> , 2019, 9, 12033.	1.6	22
75	SREBP1-dependent de novo fatty acid synthesis gene expression is elevated in malignant melanoma and represents a cellular survival trait. <i>Scientific Reports</i> , 2019, 9, 10369.	1.6	33
76	Logical modelling reveals the PDC-PDK interaction as the regulatory switch driving metabolic flexibility at the cellular level. <i>Genes and Nutrition</i> , 2019, 14, 27.	1.2	9
77	Expression profile of tRNA-derived fragments and their potential roles in human varicose veins. <i>Molecular Medicine Reports</i> , 2019, 20, 3191-3201.	1.1	4
78	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, 2283.	1.7	79
79	Effect of Exercise on Fatty Acid Metabolism and Adipokine Secretion in Adipose Tissue. <i>Frontiers in Physiology</i> , 2019, 10, 26.	1.3	96
80	Alterations of Fatty Acid Profile May Contribute to Dyslipidemia in Chronic Kidney Disease by Influencing Hepatocyte Metabolism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2470.	1.8	16
81	Aberrant lipid metabolism as a therapeutic target in liver cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 473-483.	1.5	104
82	Role of Histone Acetylation and Methylation in Obesity. <i>Current Pharmacology Reports</i> , 2019, 5, 196-203.	1.5	9
83	Sustainable alternatives to dietary fish oil in tropical fish aquaculture. <i>Reviews in Aquaculture</i> , 2019, 11, 1195-1218.	4.6	42
84	Short-term low-calorie diet remodels skeletal muscle lipid profile and metabolic gene expression in obese adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E178-E185.	1.8	8
85	Strategies to Counter Saturated Fatty Acid (SFA)-Mediated Lipointoxication. , 2019, , 347-363.		2
86	Interleukin-6 derived from cutaneous deficiency of stearyl-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.	1.0	11
87	Human charcoal-stripped serum supplementation enhances both the stearyl-coenzyme a desaturase 1 activity of cumulus cells and the <i>in vitro</i> maturation of oocytes. <i>Human Fertility</i> , 2019, 22, 212-218.	0.7	8
88	Effects of bariatric surgery on DNA methylation in adults: a systematic review and meta-analysis. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 128-136.	1.0	12
89	Deregulation of Lipid Metabolism: The Critical Factors in Ovarian Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 593017.	1.3	51
90	Stearoyl-CoA Desaturase 1 Activity Determines the Maintenance of DNMT1-Mediated DNA Methylation Patterns in Pancreatic Î²-Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6844.	1.8	8

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91	Glued in lipids: Lipointoxication in cystic fibrosis. <i>EBioMedicine</i> , 2020, 61, 103038.	2.7	6
92	Involvement of overweight and lipid metabolism in the development of pulmonary hypertension under conditions of chronic intermittent hypoxia. <i>Pulmonary Circulation</i> , 2020, 10, 42-49.	0.8	5
93	Germinated barley downregulates hepatic stearoyl-CoA desaturase-1 enzyme gene expression in a hepatic steatohepatitis rat model. <i>Anatomical Science International</i> , 2020, 95, 489-497.	0.5	2
94	A conserved evolutionary mechanism permits $\hat{1}^{\circ}9$ desaturation of very-long-chain fatty acyl lipids. <i>Journal of Biological Chemistry</i> , 2020, 295, 11337-11345.	1.6	7
95	The Effects of Diets Enriched in Monounsaturated Oleic Acid on the Management and Prevention of Obesity: a Systematic Review of Human Intervention Studies. <i>Advances in Nutrition</i> , 2020, 11, 864-877.	2.9	64
96	Insulin activates hepatic Wnt/ $\hat{1}^{\circ}2$ -catenin signaling through stearoyl-CoA desaturase 1 and Porcupine. <i>Scientific Reports</i> , 2020, 10, 5186.	1.6	17
97	Differential response of liver sinusoidal endothelial cells and hepatocytes to oleic and palmitic acid revealed by Raman and CARS imaging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165763.	1.8	11
98	Positive association of SCD1 genetic variation and metabolic syndrome in dialysis patients in China. <i>Personalized Medicine</i> , 2020, 17, 111-119.	0.8	3
99	Crosstalk between autophagy and metabolic regulation of cancer stem cells. <i>Molecular Cancer</i> , 2020, 19, 27.	7.9	64
100	A comparative metabolomics study on anadromous clupeid <i>Tenualosa ilisha</i> for better understanding the influence of habitat on nutritional composition. <i>Metabolomics</i> , 2020, 16, 30.	1.4	9
101	Sterculic Acid: The Mechanisms of Action beyond Stearoyl-CoA Desaturase Inhibition and Therapeutic Opportunities in Human Diseases. <i>Cells</i> , 2020, 9, 140.	1.8	40
102	Orotic acid-treated hepatocellular carcinoma cells resist steatosis by modification of fatty acid metabolism. <i>Lipids in Health and Disease</i> , 2020, 19, 70.	1.2	4
103	Steroid-depleted endometriosis serum improves oocyte maturation in IVM systems. <i>Journal of Cellular Physiology</i> , 2021, 236, 205-214.	2.0	2
104	Lipid metabolism in colon cancer: Role of Liver X Receptor (LXR) and Stearoyl-CoA Desaturase 1 (SCD1). <i>Molecular Aspects of Medicine</i> , 2021, 78, 100933.	2.7	32
105	Beyond Proteostasis: Lipid Metabolism as a New Player in ER Homeostasis. <i>Metabolites</i> , 2021, 11, 52.	1.3	30
106	Western and heart healthy dietary patterns differentially affect the expression of genes associated with lipid metabolism, interferon signaling and inflammation in the jejunum of Ossabaw pigs. <i>Journal of Nutritional Biochemistry</i> , 2021, 90, 108577.	1.9	7
108	Fish Oil Improves Pathway-Oriented Profiling of Lipid Mediators for Maintaining Metabolic Homeostasis in Adipose Tissue of Prediabetic Rats. <i>Frontiers in Immunology</i> , 2021, 12, 608875.	2.2	9
109	Polymorphisms in the stearoyl-CoA desaturase gene modify blood glucose response to dietary oils varying in MUFA content in adults with obesity. <i>British Journal of Nutrition</i> , 2022, 127, 503-512.	1.2	2

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110	Aberrant BCAA and glutamate metabolism linked to regional neurodegeneration in a mouse model of Leigh syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166082.	1.8	9
111	Inhibition of Stearoyl-CoA Desaturase by Sterculic Oil Reduces Proliferation and Induces Apoptosis in Prostate Cancer Cell Lines. <i>Nutrition and Cancer</i> , 2022, 74, 1308-1321.	0.9	4
112	A novel approach towards obesity: The use of a bacterial product, gassericin A, in 3T3-L1 cells. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 499-505.	0.8	8
113	Ethnicity-specific alterations of plasma and hepatic lipidomic profiles are related to high NAFLD rate and severity in Hispanic Americans, a pilot study. <i>Free Radical Biology and Medicine</i> , 2021, 172, 490-502.	1.3	13
114	Effects of a Fish Oil Rich in Docosahexaenoic Acid on Cardiometabolic Risk Factors and Oxidative Stress in Healthy Rats. <i>Marine Drugs</i> , 2021, 19, 555.	2.2	6
115	Sequential Dynamics of Stearoyl-CoA Desaturase-1 (SCD1)/Ligand Binding and Unbinding Mechanism: A Computational Study. <i>Biomolecules</i> , 2021, 11, 1435.	1.8	2
116	Plasma Phospholipid Fatty Acid Profiles in Septic Shock. , 2015, , 219-233.		4
117	The Effect of Inflammation and Insulin Resistance on Lipid and Lipoprotein Responsiveness to Dietary Intervention. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa160.	0.1	8
118	IRE1 α RNase α -dependent lipid homeostasis promotes survival in Myc-transformed cancers. <i>Journal of Clinical Investigation</i> , 2018, 128, 1300-1316.	3.9	96
119	Heterogeneity of the Stearoyl-CoA desaturase-1 (SCD1) Gene and Metabolic Risk Factors in the EPIC-Potsdam Study. <i>PLoS ONE</i> , 2012, 7, e48338.	1.1	13
120	DNA methylation of candidate genes in peripheral blood from patients with type 2 diabetes or the metabolic syndrome. <i>PLoS ONE</i> , 2017, 12, e0180955.	1.1	33
121	Effects Of Dietary Supplementation With A Mixture Of Buckwheat Leaf And Flower On Fatty Acid Composition Of Rat Brain Phospholipids. <i>Acta Veterinaria</i> , 2015, 65, 390-403.	0.2	1
122	Hepatotoxic Effects of Fenofibrate in Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. <i>Physiological Research</i> , 2016, 65, 891-899.	0.4	10
123	PPAR β agonist-induced alterations in Δ^6 -desaturase and stearoyl-CoA desaturase 1: Role of MEK/ERK1/2 pathway. <i>World Journal of Hepatology</i> , 2013, 5, 220.	0.8	22
124	Allosteric inhibition of a stem cell RNA-binding protein by an intermediary metabolite. <i>ELife</i> , 2014, 3, .	2.8	72
125	Anticancer activity of ursolic acid on retinoblastoma cells determined by bioinformatics analysis and validation. <i>Annals of Translational Medicine</i> , 2021, 9, 1548-1548.	0.7	10
126	Function and Regulation of Macrophage Stearoyl-CoA Desaturase in Metabolic Disorders. , 2013, , 61-71.		0
127	Stearoyl-CoA Desaturase-1 in the Regulation of Toll-Like Receptor Signaling and Endoplasmic Reticulum Stress Signaling. , 2013, , 73-84.		0

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128	Hepatic Lipid Metabolism and Herbal Impacts on Non-Alcoholic Fatty Liver Disease. Journal of Food & Nutritional Disorders, 2013, 02, .	0.1	0
129	Stearoyl-CoA Desaturase-1 Activity in Skeletal Muscle: Is It Good or Bad?. , 2013, , 103-118.		0
130	Plasma Phospholipid Fatty Acid Profiles in Septic Shock. , 2014, , 1-16.		0
133	Low Oleic/Stearic Desaturation Index in Great Blue Herons (Ardea herodias) with Steatitis in Southern California, USA. Journal of Wildlife Diseases, 2019, 55, 995.	0.3	0
134	Interplay between Thyroid Hormones and Stearoyl-CoA Desaturase 1 in the Regulation of Lipid Metabolism in the Heart. International Journal of Molecular Sciences, 2021, 22, 109.	1.8	11
135	Interplays between nutritional and inflammatory signaling and fat metabolism in pathophysiology of NAFLD. , 2020, , 273-295.		0
136	Saturated Fatty Acid Intake Is Associated With Increased Inflammation, Conversion of Kynurenine to Tryptophan, and Delta-9 Desaturase Activity in Healthy Humans. International Journal of Tryptophan Research, 2020, 13, 117864692098194.	1.0	14
138	Diet Modulates Adipose Tissue Oxidative Stress in a Murine Acute Chagas Model. , 2017, 2, .		4
140	Inhibition of stearoyl-CoA desaturase 1 potentiates anti-tumor activity of amodiaquine in non-small cell lung cancer. Biological and Pharmaceutical Bulletin, 2022, 45, .	0.6	6
141	SCD1-Fatty Acid Desaturase Inhibitor MF-438 Alleviates Latent Inflammation Induced by Preservative-Free Prostaglandin Analog Eye Drops. Journal of Inflammation Research, 2022, Volume 15, 793-806.	1.6	4
142	Repeated restraint stress modifies fatty acid and amino acid metabolism in the mouse skin. Journal of Veterinary Medical Science, 2022, 84, 511-519.	0.3	0
143	Regulatory mechanism of downregulation of SOD1 expression on cardiomyocyte function. Sleep and Breathing, 2023, 27, 399-410.	0.9	1
144	Whole Transcriptome Profiling of the Effects of Cadmium on the Liver of the Xiangxi Yellow Heifer. Frontiers in Veterinary Science, 2022, 9, 846662.	0.9	0
145	Hempseed By-Product in Diets of Italian Simmental Cull Dairy Cows and Its Effects on Animal Performance and Meat Quality. Animals, 2022, 12, 1014.	1.0	8
147	Breast Milk from Non-Obese Women with a High Omega-6 to Omega-3 Fatty Acid Ratio, but Not from Women with Obesity, Increases Lipogenic Gene Expression in 3T3-L1 Preadipocytes, Suggesting Adipocyte Dysfunction. Biomedicines, 2022, 10, 1129.	1.4	4
148	Relationship between transport-induced stress and the expression levels of some genes in the peroxisome proliferator-activated receptor (PPAR) signaling pathway in Kivircik lambs. Small Ruminant Research, 2022, 212, 106708.	0.6	0
149	Molecular Mechanisms Underlying the Elevated Expression of a Potentially Type 2 Diabetes Mellitus Associated SCD1 Variant. International Journal of Molecular Sciences, 2022, 23, 6221.	1.8	8
150	Airway epithelial STAT3 inhibits allergic inflammation via upregulation of stearoyl-CoA desaturase 1. Allergology International, 2022, 71, 520-527.	1.4	6

#	ARTICLE	IF	CITATIONS
151	Monounsaturated Fatty Acids: Key Regulators of Cell Viability and Intracellular Signaling in Cancer. <i>Molecular Cancer Research</i> , 2022, 20, 1354-1364.	1.5	12
152	Lipidomics in Morbid Obesity. , 2022, , 167-187.		0
153	Aspalathin-rich green rooibos tea in combination with glyburide and atorvastatin enhances lipid metabolism in a db/db mouse model. <i>Frontiers in Clinical Diabetes and Healthcare</i> , 0, 3, .	0.3	0
154	Inhibition of stearoyl-CoA desaturase 1 in the mouse impairs pancreatic islet morphogenesis and promotes loss of β^2 -cell identity and β^1 -cell expansion in the mature pancreas. <i>Molecular Metabolism</i> , 2023, 67, 101659.	3.0	3
155	Isobaric 6-plex and tosyl dual tagging for the determination of positional isomers and quantitation of monounsaturated fatty acids using rapid UHPLC-MS/MS. <i>Analyst, The</i> , 2023, 148, 297-304.	1.7	2
157	Gut microbiota lends a helping hand to nurse liver regeneration. <i>Journal of Hepatology</i> , 2023, , .	1.8	0
158	Effects of Microalgae on Metabolic Syndrome. <i>Antioxidants</i> , 2023, 12, 449.	2.2	3
159	Stearoyl coenzyme A desaturase-1: multitasker in cancer, metabolism, and ferroptosis. <i>Trends in Cancer</i> , 2023, 9, 480-489.	3.8	27
161	Peroxisomal defects in microglial cells induce a disease-associated microglial signature. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	1.4	4