PaweÅ, DobrzyÅ„

List of Publications by Year
in descending order

61 papers	2,475 citations	236833 25 h-index	197736 49 g-index
70 all docs	70 docs citations	70 times ranked	3178 citing authors

#	Article	IF	Citations
1	Stearoyl-CoA desaturase 1 deficiency increases fatty acid oxidation by activating AMP-activated protein kinase in liver. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6409-6414.	3.3	356
2	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. International Review of Cell and Molecular Biology, 2018, 340, 209-344.	1.6	208
3	Stearoyl-CoA desaturase 1 deficiency elevates insulin-signaling components and down-regulates protein-tyrosine phosphatase 1B in muscle. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11110-11115.	3.3	168
4	Site and mechanism of leptin action in a rodent form of congenital lipodystrophy. Journal of Clinical Investigation, 2004, 113, 414-424.	3.9	158
5	Stearoyl-CoA Desaturase 1 as a Therapeutic Target for the Treatment of Cancer. Cancers, 2019, 11, 948.	1.7	148
6	Stearoyl-CoA desaturase-1 deficiency reduces ceramide synthesis by downregulating serine palmitoyltransferase and increasing Î²-oxidation in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E599-E607.	1.8	134
7	Lack of stearoyl-CoA desaturase 1 upregulates basal thermogenesis but causes hypothermia in a cold environment. Journal of Lipid Research, 2004, 45, 1674-1682.	2.0	110
8	Site and mechanism of leptin action in a rodent form of congenital lipodystrophy. Journal of Clinical Investigation, 2004, 113, 414-424.	3.9	94
9	Stearoyl-CoA desaturase 1 deficiency increases insulin signaling and glycogen accumulation in brown adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E381-E387.	1.8	72
10	Stearoyl-CoA desaturase and insulin signaling â€" What is the molecular switch?. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1189-1194.	0.5	68
11	The Xenopus TACC Homologue, Maskin, Functions in Mitotic Spindle Assembly. Molecular Biology of the Cell, 2005, 16, 2836-2847.	0.9	61
12	Loss of stearoyl-CoA desaturase 1 inhibits fatty acid oxidation and increases glucose utilization in the heart. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E357-E364.	1.8	61
13	Inhibition of SCD1 impairs palmitate-derived autophagy at the step of autophagosome-lysosome fusion in pancreatic Î²-cells. Journal of Lipid Research, 2015, 56, 1901-1911.	2.0	54
14	Loss of stearoyl-CoA desaturase 1 rescues cardiac function in obese leptin-deficient mice. Journal of Lipid Research, 2010, 51, 2202-2210.	2.0	51
15	Stearoyl-CoA Desaturase 1 Deficiency Increases CTP:Choline Cytidylyltransferase Translocation into the Membrane and Enhances Phosphatidylcholine Synthesis in Liver. Journal of Biological Chemistry, 2005, 280, 23356-23362.	1.6	48
16	Expression of lipogenic genes is upregulated in the heart with exercise training-induced but not pressure overload-induced left ventricular hypertrophy. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1348-E1358.	1.8	47
17	Metabolic reprogramming of the heart through stearoyl-CoA desaturase. Progress in Lipid Research, 2015, 57, 1-12.	5.3	42
18	Endurance training-induced accumulation of muscle triglycerides is coupled to upregulation of stearoyl-CoA desaturase 1. Journal of Applied Physiology, 2010, 109, 1653-1661.	1.2	37

#	Article	IF	Citations
19	Adipose- and muscle-derived Wnts trigger pancreatic Î²-cell adaptation to systemic insulin resistance. Scientific Reports, 2016, 6, 31553.	1.6	37
20	Stearoyl-CoA desaturase regulates inflammatory gene expression by changing DNA methylation level in 3T3 adipocytes. International Journal of Biochemistry and Cell Biology, 2014, 55, 40-50.	1.2	34
21	Hydrochemistry of Three Dystrophic Lakes in Northeastern Poland. Clean - Soil, Air, Water, 1999, 27, 12-18.	0.8	33
22	SCD1 regulates the AMPK/SIRT1 pathway and histone acetylation through changes in adenine nucleotide metabolism in skeletal muscle. Journal of Cellular Physiology, 2020, 235, 1129-1140.	2.0	32
23	Stearoyl-CoA desaturase 1 deficiency reduces lipid accumulation in the heart by activating lipolysis independently of peroxisome proliferator-activated receptor Î±. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2029-2037.	1.2	30
24	8-oxoguanine DNA glycosylase (OGG1) deficiency elicits coordinated changes in lipid and mitochondrial metabolism in muscle. PLoS ONE, 2017, 12, e0181687.	1.1	28
25	Polyunsaturated fatty acids do not activate AMP-activated protein kinase in mouse tissues. Biochemical and Biophysical Research Communications, 2005, 332, 892-896.	1.0	27
26	Role of Perivascular Adipose Tissue-Derived Adiponectin in Vascular Homeostasis. Cells, 2021, 10, 1485.	1.8	26
27	Modification of thiamine pyrophosphate dependent enzyme activity by oxythiamine in Saccharomyces cerevisiae cells. Canadian Journal of Microbiology, 2005, 51, 833-839.	0.8	25
28	Stearoylâ€CoA desaturase: A novel control point of lipid metabolism and insulin sensitivity. European Journal of Lipid Science and Technology, 2008, 110, 93-100.	1.0	22
29	Testosterone affects hormone-sensitive lipase (HSL) activity and lipid metabolism in the left ventricle. Biochemical and Biophysical Research Communications, 2010, 399, 670-676.	1.0	22
30	Regulatory Effect of Thiamin Pyrophosphate on Pig Heart Pyruvate Dehydrogenase Complex. Biochemical and Biophysical Research Communications, 1999, 256, 341-345.	1.0	20
31	Stearoyl-CoA desaturase: a new therapeutic target of liver steatosis. Drug Development Research, 2006, 67, 643-650.	1.4	17
32	Increased availability of endogenous and dietary oleic acid contributes to the upregulation of cardiac fatty acid oxidation. Mitochondrion, 2012, 12, 132-137.	1.6	16
33	Effect of oxythiamin on growth rate, survival ability and pyruvate decarboxylase activity inSaccharomyces cerevisiae. Journal of Basic Microbiology, 2003, 43, 522-529.	1.8	15
34	Fat and Sugarâ€"A Dangerous Duet. A Comparative Review on Metabolic Remodeling in Rodent Models of Nonalcoholic Fatty Liver Disease. Nutrients, 2019, 11, 2871.	1.7	14
35	Monounsaturated fatty acids are required for membrane translocation of protein kinase C-thetainduced by lipid overload in skeletal muscle. Molecular Membrane Biology, 2012, 29, 309-320.	2.0	12
36	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

#	Article	IF	Citations
37	Novel substituted heteroaromatic compounds as inhibitors of stearoyl-CoA desaturase. Expert Opinion on Therapeutic Patents, 2010, 20, 849-853.	2.4	10
38	Cardiac-specific Î²-catenin deletion dysregulates energetic metabolism and mitochondrial function in perinatal cardiomyocytes. Mitochondrion, 2021, 60, 59-69.	1.6	10
39	Oleic acid increases the transcriptional activity of FoxO1 by promoting its nuclear translocation and Î²-catenin binding in pancreatic Î²-cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2753-2764.	1.8	9
40	Kinetic and spectral investigation of allosteric interaction of coenzymes with 2-oxo acid dehydrogenase complexes. Journal of Molecular Structure, 2002, 614, 221-226.	1.8	8
41	Fatty acid profile and influence of oxythiamine on fatty acid content in Malassezia pachydermatis, Candida albicans and Saccharomyces cerevisiae. Mycoses, 2012, 55, e106-13.	1.8	8
42	Stearoyl-CoA Desaturase 1 Activity Determines the Maintenance of DNMT1-Mediated DNA Methylation Patterns in Pancreatic Î²-Cells. International Journal of Molecular Sciences, 2020, 21, 6844.	1.8	8
43	Î²-Catenin Regulates Cardiac Energy Metabolism in Sedentary and Trained Mice. Life, 2020, 10, 357.	1.1	8
44	Omegaâ€3 Fatty Acids Do Not Protect Against Arrhythmias in Acute Nonreperfused Myocardial Infarction Despite Some Antiarrhythmic Effects. Journal of Cellular Biochemistry, 2016, 117, 2570-2582.	1.2	7
45	Comparison of lipid profiles of Malassezia pachydermatis strains isolated from dogs with otitis externa and without clinical symptoms of disease. Mycoses, 2016, 59, 20-27.	1.8	7
46	Sedimentation of chlorophylls in an Arctic fjord under freshwater discharge. Hydrobiologia, 2005, 532, 1-8.	1.0	6
47	Cardiospecific deletion of Î±E-catenin leads to heart failure and lethality in mice. Pflugers Archiv European Journal of Physiology, 2018, 470, 1485-1499.	1.3	6
48	Regulation of cardiac metabolism and function by lipogenic factors. Postepy Higieny I Medycyny Doswiadczalnej, 2016, 70, 644-653.	0.1	6
49	Algal pigments in fast ice and under-ice water in an Arctic fjord. Sarsia, 2003, 88, 291-296.	0.5	5
50	The role of stearoyl-CoA desaturase in the regulation of cardiac metabolism. Postepy Biochemii, 2018, 64, 183-189.	0.5	5
51	Photosynthetic pigments as indicators of phytoplankton development during spring and summer in Adventfjorden (Spitsbergen). Oceanology, 2009, 49, 368-376.	0.3	4
52	A novel polymorphism in the fatty acid desaturase 2 gene (Fads2): A possible role in the basal metabolic rate. PLoS ONE, 2019, 14, e0213138.	1.1	4
53	CoA in Health and Disease. International Journal of Molecular Sciences, 2022, 23, 4371.	1.8	4
54	The effect of biochanin A on the chlorophylls and carotenoids content in the alga Chlorella vulgaris Beijerinck. Acta Physiologiae Plantarum, 2003, 25, 271-278.	1.0	3

#	Article	IF	Citations
55	Inhibition of stearoyl-CoA desaturase by cyclic amine derivatives. Expert Opinion on Therapeutic Patents, 2008, 18, 457-460.	2.4	3
56	Induction of Glutathione Synthesis Provides Cardioprotection Regulating NO, AMPK and PPARa Signaling in Ischemic Rat Hearts. Life, 2021, 11, 631.	1.1	1
57	Sphingolipid mediators of cell signaling and metabolism. , 2020, , 385-411.		1
58	Suicidal dephosphorylation of thiamine pyrophosphate coupled with pyruvate dehydrogenase complex. Italian Journal of Biochemistry, 2004, 53, 131-4.	0.3	1
59	Stearoyl-CoA Desaturase in the Control of Heart Metabolism. , 2013, , 85-101.		0
60	Stearoylâ€CoA desaturase affects the level of global DNA methylation in 3T3â€L1 adipocytes. FASEB Journal, 2013, 27, 813.14.	0.2	0
61	Î©-3 PUFA supplementation decreases nuclear factor ÎºB activity and attenuates pressure overload-induced cardiac dysfunction. PostÄ™py Nauk Medycznych, 2015, 28, 426-432.	0.0	0