# Agnieszka Dobrzyn

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5426036/publications.pdf

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|---|---|---|---|
| 81<br>papers | 4,219<br>citations | 109321<br>35<br>h-index | 110387<br>64<br>g-index |
| 91<br>all docs | 91<br>docs citations | 91<br>times ranked | 5541<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Elevated level of lysophosphatidic acid among patients with HNF1B mutations and its role in RCAD syndrome: a multiomic study. Metabolomics, 2022, 18, 15. | 3.0 | 1 |
| 2 | Investigation of the Therapeutic Potential of New Antidiabetic Compounds Using Islet-on-a-Chip Microfluidic Model. Biosensors, 2022, 12, 302. | 4.7 | 3 |
| 3 | A Novel Role for the DNA Repair Enzyme 8-Oxoguanine DNA Glycosylase in Adipogenesis. International Journal of Molecular Sciences, 2021, 22, 1152. | 4.1 | 13 |
| 4 | Bionic Organs: Shear Forces Reduce Pancreatic Islet and Mammalian Cell Viability during the Process of 3D Bioprinting. Micromachines, 2021, 12, 304. | 2.9 | 19 |
| 5 | Impact of Porcine Pancreas Decellularization Conditions on the Quality of Obtained dECM. International Journal of Molecular Sciences, 2021, 22, 7005. | 4.1 | 11 |
| 6 | Maternal Transmission of Human OGG1 Protects Mice Against Genetically- and Diet-Induced Obesity Through Increased Tissue Mitochondrial Content. Frontiers in Cell and Developmental Biology, 2021, 9, 718962. | 3.7 | 5 |
| 7 | 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. | 4.1 | 32 |
| 8 | Combinations of regenerative medicine and Lab-on-a-chip systems: New hope to restoring the proper function of pancreatic islets in diabetes. Biosensors and Bioelectronics, 2020, 167, 112451. | 10.1 | 11 |
| 9 | 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. | 4.1 | 8 |
| 10 | Sphingolipid mediators of cell signaling and metabolism. , 2020, , 385-411. | | 1 |
| 11 | â€œIslets therapeutic checkpoint: Inhibition of stearoylâ€CoA desaturase impairs lipid droplet morphology and metabolism during palmitotoxicity of pancreatic Î²â€cellsâ€• FASEB Journal, 2020, 34, 1-1. | 0.5 | 0 |
| 12 | Stearoylâ€CoA desaturase 1 determines pancreatic Î²â€cell fate through regulation of DNA methylation pattern. FASEB Journal, 2020, 34, 1-1. | 0.5 | 0 |
| 13 | Lab-on-a-Chip System for Developing and Fluorescence Imaging a Three-Dimensional Model of Pancreatic Islets Under Flow Conditions. ECS Meeting Abstracts, 2020, MA2020-01, 1984-1984. | 0.0 | 0 |
| 14 | 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. | 3.8 | 9 |
| 15 | Fat and Sugarâ€”A Dangerous Duet. A Comparative Review on Metabolic Remodeling in Rodent Models of Nonalcoholic Fatty Liver Disease. Nutrients, 2019, 11, 2871. | 4.1 | 14 |
| 16 | Mitochondria-associated membranes in aging and senescence: structure, function, and dynamics. Cell Death and Disease, 2018, 9, 332. | 6.3 | 140 |
| 17 | The DNA Repair Protein OGG1 Protects Against Obesity by Altering Mitochondrial Energetics in White Adipose Tissue. Scientific Reports, 2018, 8, 14886. | 3.3 | 53 |
| 18 | Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. International Review of Cell and Molecular Biology, 2018, 340, 209-344. | 3.2 | 208 |

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|---|---|---|---|
| 19 | High-Throughput Approaches onto Uncover (Epi)Genomic Architecture of Type 2 Diabetes. Genes, 2018, 9, 374. | 2.4 | 22 |
| 20 | Na dobre i na zÅ‚e Ã¢Â€Â“ czyli rola oddziaÅ‚ywania trzustki, Å›rÃ³dbÅ‚onka i tkanki tÅ‚uszczowej w regulacji funkcjonowania komÃ³rek ÃŽÒ› i rozwoju cukrzycy typu 2 zwiÄ…zanej z otyÅ‚oÅ›ciÄ…. Postepy Biochemii, 2018, 64, 166-174. | 0.2 | 3 |
| 21 | Epigenetyczna regulacja ekspresji genÃ³w Ã¢Â€Â“ nowy mechanizm Å‚Ä…czÄ…cy otyÅ‚oÅ›Ä‡ z rozwojem cukrzycy typu 2. Postepy Biochemii, 2018, 64, 157-165. | 0.2 | 1 |
| 22 | Interaction of Mitochondria with the Endoplasmic Reticulum and Plasma Membrane in Calcium Homeostasis, Lipid Trafficking and Mitochondrial Structure. International Journal of Molecular Sciences, 2017, 18, 1576. | 4.1 | 164 |
| 23 | 8-oxoguanine DNA glycosylase (OGG1) deficiency elicits coordinated changes in lipid and mitochondrial metabolism in muscle. PLoS ONE, 2017, 12, e0181687. | 2.5 | 28 |
| 24 | 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. | 2.6 | 7 |
| 25 | Adipose- and muscle-derived Wnts trigger pancreatic Î²-cell adaptation to systemic insulin resistance. Scientific Reports, 2016, 6, 31553. | 3.3 | 37 |
| 26 | Differential regulation of serum microRNA expression by HNF1Î² and HNF1Î± transcription factors. Diabetologia, 2016, 59, 1463-1473. | 6.3 | 18 |
| 27 | Islet Î²-cell failure in type 2 diabetes â€“ Within the network of toxic lipids. Biochemical and Biophysical Research Communications, 2015, 460, 491-496. | 2.1 | 79 |
| 28 | 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. | 4.2 | 54 |
| 29 | Fetal endocannabinoids orchestrate the organization of pancreatic islet microarchitecture. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6185-94. | 7.1 | 44 |
| 30 | Metabolic reprogramming of the heart through stearoyl-CoA desaturase. Progress in Lipid Research, 2015, 57, 1-12. | 11.6 | 42 |
| 31 | 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. | 2.8 | 34 |
| 32 | CB1 Cannabinoid Receptors Couple to Focal Adhesion Kinase to Control Insulin Release. Journal of Biological Chemistry, 2013, 288, 32685-32699. | 3.4 | 61 |
| 33 | Knockdown of pyruvate carboxylase or fatty acid synthase lowers numerous lipids and glucose-stimulated insulin release in insulinoma cells. Archives of Biochemistry and Biophysics, 2013, 532, 23-31. | 3.0 | 6 |
| 34 | 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. | 3.5 | 47 |
| 35 | Statin Therapy and New-onset Diabetes: Molecular Mechanisms and Clinical Relevance. Current Pharmaceutical Design, 2013, 19, 4904-4912. | 1.9 | 62 |
| 36 | Stearoyl-CoA Desaturase in the Control of Heart Metabolism. , 2013, , 85-101. | | 0 |

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|---|---|---|---|
| 37 | Stearoylâ€CoA desaturase affects the level of global DNA methylation in 3T3â€L1 adipocytes. FASEB Journal, 2013, 27, 813.14. | 0.5 | 0 |
| 38 | Effect of dietary restriction on metabolic, anatomic and molecular traits in mice depends on the initial level of basal metabolic rate (BMR). Journal of Experimental Biology, 2012, 215, 3191-9. | 1.7 | 15 |
| 39 | Impaired dynamics of the late endosome/lysosome compartment in human Niemannâ€“Pick type C skin fibroblasts carrying mutation in NPC1 gene. Molecular BioSystems, 2012, 8, 1197. | 2.9 | 20 |
| 40 | Increased availability of endogenous and dietary oleic acid contributes to the upregulation of cardiac fatty acid oxidation. Mitochondrion, 2012, 12, 132-137. | 3.4 | 16 |
| 41 | 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 |
| 42 | Stearoyl-CoA desaturase and insulin signaling â€" What is the molecular switch?. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1189-1194. | 1.0 | 68 |
| 43 | Loss of stearoyl-CoA desaturase 1 rescues cardiac function in obese leptin-deficient mice. Journal of Lipid Research, 2010, 51, 2202-2210. | 4.2 | 51 |
| 44 | Endurance training-induced accumulation of muscle triglycerides is coupled to upregulation of stearoyl-CoA desaturase 1. Journal of Applied Physiology, 2010, 109, 1653-1661. | 2.5 | 37 |
| 45 | Novel substituted heteroaromatic compounds as inhibitors of stearoyl-CoA desaturase. Expert Opinion on Therapeutic Patents, 2010, 20, 849-853. | 5.0 | 10 |
| 46 | Stearoyl-CoA desaturase-1 deficiency attenuates obesity and insulin resistance in leptin-resistant obese mice. Biochemical and Biophysical Research Communications, 2009, 380, 818-822. | 2.1 | 98 |
| 47 | Neutral Storage Lipids of Histoplasma capsulatum: Effect of Culture Age. Current Microbiology, 2008, 56, 110-114. | 2.2 | 7 |
| 48 | Ferrous, But Not Ferric, Iron Maintains Homeostasis in Histoplasma capsulatum Triacylglycerides. Current Microbiology, 2008, 57, 153-157. | 2.2 | 7 |
| 49 | Stearoylâ€CoA desaturase: A novel control point of lipid metabolism and insulin sensitivity. European Journal of Lipid Science and Technology, 2008, 110, 93-100. | 1.5 | 22 |
| 50 | The role of rapid lipogenesis in insulin secretion: Insulin secretagogues acutely alter lipid composition of INS-1 832/13 cells. Archives of Biochemistry and Biophysics, 2008, 470, 153-162. | 3.0 | 40 |
| 51 | Inhibition of stearoyl-CoA desaturase by cyclic amine derivatives. Expert Opinion on Therapeutic Patents, 2008, 18, 457-460. | 5.0 | 3 |
| 52 | 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. | 3.5 | 61 |
| 53 | SCD1 deficiency decreases hepatic lipogenesis and improves insulin sensitivity in obese mice in the presence of leptin. FASEB Journal, 2008, 22, 643.5. | 0.5 | 0 |
| 54 | Stearoyl-CoA Desaturase-1 Mediates the Pro-lipogenic Effects of Dietary Saturated Fat. Journal of Biological Chemistry, 2007, 282, 2483-2493. | 3.4 | 191 |

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|---|---|---|---|
| 55 | Typing of Histoplasma capsulatum strains by fatty acid profile analysis. Journal of Medical Microbiology, 2007, 56, 788-797. | 1.8 | 16 |
| 56 | Stearoyl CoA desaturaseâ€1 mediates the proâ€lipogenic effects of dietary saturated fat. FASEB Journal, 2007, 21, A109. | 0.5 | 1 |
| 57 | Stearoyl-CoA desaturase: a new therapeutic target of liver steatosis. Drug Development Research, 2006, 67, 643-650. | 2.9 | 17 |
| 58 | Stearoyl-CoA desaturase as a new drug target for obesity treatment. Obesity Reviews, 2005, 6, 169-174. | 6.5 | 148 |
| 59 | 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. | 3.5 | 72 |
| 60 | Ceramides, Sphinganine, Sphingosine and Acid Sphingomyelinases in the Human Umbilical Cord Blood. Hormone and Metabolic Research, 2005, 37, 433-437. | 1.5 | 7 |
| 61 | 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. | 3.5 | 134 |
| 62 | Stearoyl-CoA desaturase-2 gene expression is required for lipid synthesis during early skin and liver development. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12501-12506. | 7.1 | 125 |
| 63 | 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. | 3.4 | 48 |
| 64 | Polyunsaturated fatty acids do not activate AMP-activated protein kinase in mouse tissues. Biochemical and Biophysical Research Communications, 2005, 332, 892-896. | 2.1 | 27 |
| 65 | The role of stearoyl-CoA desaturase in the control of metabolism. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 73, 35-41. | 2.2 | 135 |
| 66 | Stearoyl-CoA desaturase: A therapeutic target of insulin resistance and diabetes. Drug Discovery Today: Therapeutic Strategies, 2005, 2, 125-128. | 0.5 | 4 |
| 67 | Lack of stearoyl-CoA desaturase 1 upregulates basal thermogenesis but causes hypothermia in a cold environment. Journal of Lipid Research, 2004, 45, 1674-1682. | 4.2 | 110 |
| 68 | 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. | 7.1 | 356 |
| 69 | Reduced Adiposity and Liver Steatosis by Stearoyl-CoA Desaturase Deficiency Are Independent of Peroxisome Proliferator-activated Receptor-Î±. Journal of Biological Chemistry, 2004, 279, 35017-35024. | 3.4 | 108 |
| 70 | 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. Journal of Biological Chemistry, 2004, 279, 25164-25171. | 3.4 | 255 |
| 71 | Effect of acute exercise and training on metabolism of ceramide in the heart muscle of the rat. Acta Physiologica Scandinavica, 2004, 181, 313-319. | 2.2 | 20 |
| 72 | Exercise and training effects on ceramide metabolism in human skeletal muscle. Experimental Physiology, 2004, 89, 119-127. | 2.0 | 70 |

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|---|---|---|---|
| 73 | The Role of Stearoyl-CoA Desaturase in Body Weight Regulation. Trends in Cardiovascular Medicine, 2004, 14, 77-81. | 4.9 | 105 |
| 74 | Regulation of stearoyl-CoA desaturase expression. Lipids, 2004, 39, 1061-1065. | 1.7 | 114 |
| 75 | Two Î”9-stearic acid desaturases are required for Aspergillus nidulans growth and development. Fungal Genetics and Biology, 2004, 41, 501-509. | 2.1 | 29 |
| 76 | Isolation and characterization of unsaturated fatty acids as natural ligands for the retinoid-X receptor. Archives of Biochemistry and Biophysics, 2003, 420, 185-193. | 3.0 | 67 |
| 77 | 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. | 7.1 | 168 |
| 78 | Effect of Acute Exercise on the Content of Free Sphinganine and Sphingosine in Different Skeletal Muscle Types of the Rat. Hormone and Metabolic Research, 2002, 34, 523-529. | 1.5 | 29 |
| 79 | Concentration and Composition of Free Ceramides in Human Plasma. Hormone and Metabolic Research, 2002, 34, 466-468. | 1.5 | 13 |
| 80 | Ceramides and sphingomyelins in skeletal muscles of the rat: content and composition. Effect of prolonged exercise. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E277-E285. | 3.5 | 88 |
| 81 | The Sphingomyelinâ€Signaling Pathway in Skeletal Muscles and Its Role in Regulation of Glucose Uptake. Annals of the New York Academy of Sciences, 2002, 967, 236-248. | 3.8 | 26 |