

# Todd A Lydic

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,463  
citations

394390

19  
h-index

395678

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2372  
citing authors

#	ARTICLE	IF	CITATIONS
1	BSCL2/Seipin deficiency in hearts causes cardiac energy deficit and dysfunction via inducing excessive lipid catabolism. <i>Clinical and Translational Medicine</i> , 2022, 12, e736.	4.0	4
2	The Feasibility of Studying Metabolites in PICU Multi-Organ Dysfunction Syndrome Patients over an 8-Day Course Using an Untargeted Approach. <i>Children</i> , 2021, 8, 151.	1.5	2
3	Pediatric Multi-Organ Dysfunction Syndrome: Analysis by an Untargeted "Shotgun" Lipidomic Approach Reveals Low-Abundance Plasma Phospholipids and Dynamic Recovery over 8-Day Period, a Single-Center Observational Study. <i>Nutrients</i> , 2021, 13, 774.	4.1	4
4	Fasting and fasting-mimicking treatment activate SIRT1/LXR $\beta$ and alleviate diabetes-induced systemic and microvascular dysfunction. <i>Diabetologia</i> , 2021, 64, 1674-1689.	6.3	41
5	Hexosylceramides and Glycerophosphatidylcholine GPC(36:1) Increase in Multi-Organ Dysfunction Syndrome Patients with Pediatric Intensive Care Unit Admission over 8-Day Hospitalization. <i>Journal of Personalized Medicine</i> , 2021, 11, 339.	2.5	1
6	Mitochondrial Ceramide Effects on the Retinal Pigment Epithelium in Diabetes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3830.	4.1	14
7	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) alters hepatic polyunsaturated fatty acid metabolism and eicosanoid biosynthesis in female Sprague-Dawley rats. <i>Toxicology and Applied Pharmacology</i> , 2020, 398, 115034.	2.8	13
8	Virus-induced genetics revealed by multidimensional precision medicine transcriptional workflow applicable to COVID-19. <i>Physiological Genomics</i> , 2020, 52, 255-268.	2.3	21
9	Regulation of lipid metabolism in pancreatic beta cells by interferon gamma: A link to anti-viral function. <i>Cytokine</i> , 2020, 133, 155147.	3.2	9
10	Selective LXR agonist DMHCA corrects retinal and bone marrow dysfunction in type 2 diabetes. <i>JCI Insight</i> , 2020, 5, .	5.0	14
11	Lipidome Profiles Are Related to Depressive Symptoms and Preterm Birth Among African American Women. <i>Biological Research for Nursing</i> , 2020, 22, 354-361.	1.9	5
12	Cholesterol Acceptors Regulate the Lipidome of Macrophage Foam Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3784.	4.1	17
13	Isolation of Lipoprotein Particles from Chicken Egg Yolk for the Study of Bacterial Pathogen Fatty Acid Incorporation into Membrane Phospholipids. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
14	Elevated O-GlcNAcylation enhances pro-inflammatory Th17 function by altering the intracellular lipid microenvironment. <i>Journal of Biological Chemistry</i> , 2019, 294, 8973-8990.	3.4	41
15	Targeting ATGL to rescue BSCL2 lipodystrophy and its associated cardiomyopathy. <i>JCI Insight</i> , 2019, 4, .	5.0	24
16	ELOVL4-Mediated Production of Very Long-Chain Ceramides Stabilizes Tight Junctions and Prevents Diabetes-Induced Retinal Vascular Permeability. <i>Diabetes</i> , 2018, 67, 769-781.	0.6	41
17	<i>Staphylococcus aureus</i> Utilizes Host-Derived Lipoprotein Particles as Sources of Fatty Acids. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	46
18	Differential composition of DHA and very-long-chain PUFAs in rod and cone photoreceptors. <i>Journal of Lipid Research</i> , 2018, 59, 1586-1596.	4.2	56

#	ARTICLE	IF	CITATIONS
19	Lipidomics unveils the complexity of the lipidome in metabolic diseases. <i>Clinical and Translational Medicine</i> , 2018, 7, 4.	4.0	106
20	Elevated O $\alpha$ -GlcNAc Exacerbates Pro $\alpha$ -Inflammatory Cytokine Secretion from CD4 + T cells. <i>FASEB Journal</i> , 2018, 32, 673.9.	0.5	0
21	Lipidomic Evaluation of Aryl Hydrocarbon Receptor-Mediated Hepatic Steatosis in Male and Female Mice Elicited by 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin. <i>Chemical Research in Toxicology</i> , 2017, 30, 1060-1075.	3.3	50
22	The Mechanism of Diabetic Retinopathy Pathogenesis Unifying Key Lipid Regulators, Sirtuin 1 and Liver X Receptor. <i>EBioMedicine</i> , 2017, 22, 181-190.	6.1	48
23	Liver-specific loss of Perilipin 2 alleviates diet-induced hepatic steatosis, inflammation, and fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G726-G738.	3.4	104
24	Dual Anti-Inflammatory and Anti-Angiogenic Action of miR-15a in Diabetic Retinopathy. <i>EBioMedicine</i> , 2016, 11, 138-150.	6.1	66
25	Rapid and comprehensive $\sim$ shotgun $\sim$ lipidome profiling of colorectal cancer cell derived exosomes. <i>Methods</i> , 2015, 87, 83-95.	3.8	148
26	Effect of Reduced Retinal VLC-PUFA on Rod and Cone Photoreceptors. , 2014, 55, 3150.		38
27	A monophasic extraction strategy for the simultaneous lipidome analysis of polar and nonpolar retina lipids. <i>Journal of Lipid Research</i> , 2014, 55, 1797-1809.	4.2	76
28	Changes in the Daily Rhythm of Lipid Metabolism in the Diabetic Retina. <i>PLoS ONE</i> , 2014, 9, e95028.	2.5	38
29	N-3 Polyunsaturated Fatty Acids Prevent Diabetic Retinopathy by Inhibition of Retinal Vascular Damage and Enhanced Endothelial Progenitor Cell Reparative Function. <i>PLoS ONE</i> , 2013, 8, e55177.	2.5	79
30	Altered Lipid Metabolism in Residual White Adipose Tissues of Bsc12 Deficient Mice. <i>PLoS ONE</i> , 2013, 8, e82526.	2.5	20
31	The Unconventional Role of Acid Sphingomyelinase in Regulation of Retinal Microangiopathy in Diabetic Human and Animal Models. <i>Diabetes</i> , 2011, 60, 2370-2378.	0.6	81
32	Remodeling of Retinal Fatty Acids in an Animal Model of Diabetes. <i>Diabetes</i> , 2010, 59, 219-227.	0.6	112
33	Inhibition of Cytokine Signaling in Human Retinal Endothelial Cells through Downregulation of Sphingomyelinases by Docosahexaenoic Acid. , 2010, 51, 3253.		59
34	Analysis of Retina and Erythrocyte Glycerophospholipid Alterations in a Rat Model of Type 1 Diabetes. <i>Journal of the Association for Laboratory Automation</i> , 2009, 14, 383-399.	2.8	11
35	Global Analysis of Retina Lipids by Complementary Precursor Ion and Neutral Loss Mode Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2009, 579, 33-70.	0.9	47
36	Complementary precursor ion and neutral loss scan mode tandem mass spectrometry for the analysis of glycerophosphatidylethanolamine lipids from whole rat retina. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 267-275.	3.7	26