

Jean E Schaffer

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

8,121
citations

101384

36
h-index

128067

60
g-index

65
all docs

65
docs citations

65
times ranked

10630
citing authors

#	ARTICLE	IF	CITATIONS
1	Triglyceride accumulation protects against fatty acid-induced lipotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3077-3082.	3.3	1,622
2	Lipotoxicity: when tissues overeat. Current Opinion in Lipidology, 2003, 14, 281-287.	1.2	761
3	A novel mouse model of lipotoxic cardiomyopathy. Journal of Clinical Investigation, 2001, 107, 813-822.	3.9	666
4	Palmitate-induced Apoptosis Can Occur through a Ceramide-independent Pathway. Journal of Biological Chemistry, 2001, 276, 14890-14895.	1.6	512
5	Disruption of endoplasmic reticulum structure and integrity in lipotoxic cell death. Journal of Lipid Research, 2006, 47, 2726-2737.	2.0	472
6	Transgenic Expression of Fatty Acid Transport Protein 1 in the Heart Causes Lipotoxic Cardiomyopathy. Circulation Research, 2005, 96, 225-233.	2.0	394
7	Cholesterol Oxidation Products Are Sensitive and Specific Blood-Based Biomarkers for Niemann-Pick C1 Disease. Science Translational Medicine, 2010, 2, 56ra81.	5.8	302
8	As a Matter of Fat. Cell Metabolism, 2009, 10, 9-12.	7.2	237
9	A sensitive and specific LC-MS/MS method for rapid diagnosis of Niemann-Pick C1 disease from human plasma. Journal of Lipid Research, 2011, 52, 1435-1445.	2.0	230
10	Mitochondrial Reactive Oxygen Species in Lipotoxic Hearts Induce Post-Translational Modifications of AKAP121, DRP1, and OPA1 That Promote Mitochondrial Fission. Circulation Research, 2018, 122, 58-73.	2.0	225
11	Small Nucleolar RNAs U32a, U33, and U35a Are Critical Mediators of Metabolic Stress. Cell Metabolism, 2011, 14, 33-44.	7.2	207
12	DGAT1 Expression Increases Heart Triglyceride Content but Ameliorates Lipotoxicity. Journal of Biological Chemistry, 2009, 284, 36312-36323.	1.6	198
13	Fatty acid transport: the roads taken. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E239-E246.	1.8	144
14	Hyperleptinemia prevents lipotoxic cardiomyopathy in acyl CoA synthase transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13624-13629.	3.3	133
15	A Critical Role for Eukaryotic Elongation Factor 1A-1 in Lipotoxic Cell Death. Molecular Biology of the Cell, 2006, 17, 770-778.	0.9	128
16	Ceramide Remodeling and Risk of Cardiovascular Events and Mortality. Journal of the American Heart Association, 2018, 7, .	1.6	113
17	Targeting the mitochondrial pyruvate carrier attenuates fibrosis in a mouse model of nonalcoholic steatohepatitis. Hepatology, 2017, 65, 1543-1556.	3.6	110
18	A Murine Niemann-Pick C1 I1061T Knock-In Model Recapitulates the Pathological Features of the Most Prevalent Human Disease Allele. Journal of Neuroscience, 2015, 35, 8091-8106.	1.7	97

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19	Lipotoxicity in the heart. <i>Current Hypertension Reports</i> , 2005, 7, 412-417.	1.5	92
20	Development of a bile acid-based newborn screen for Niemann-Pick disease type C. <i>Science Translational Medicine</i> , 2016, 8, 337ra63.	5.8	89
21	Effects of Inhibiting VPS4 Support a General Role for ESCRTs in Extracellular Vesicle Biogenesis. <i>Biophysical Journal</i> , 2017, 113, 1342-1352.	0.2	78
22	Manifestations and mechanisms of myocardial lipotoxicity in obesity. <i>Journal of Internal Medicine</i> , 2018, 284, 478-491.	2.7	78
23	Rpl13a small nucleolar RNAs regulate systemic glucose metabolism. <i>Journal of Clinical Investigation</i> , 2016, 126, 4616-4625.	3.9	78
24	The Non-coding RNA gadd7 Is a Regulator of Lipid-induced Oxidative and Endoplasmic Reticulum Stress. <i>Journal of Biological Chemistry</i> , 2009, 284, 7446-7454.	1.6	76
25	Cytosolic Accumulation of Small Nucleolar RNAs (snoRNAs) Is Dynamically Regulated by NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 2015, 290, 11741-11748.	1.6	70
26	Î±-Lipoic acid prevents lipotoxic cardiomyopathy in acyl CoA-synthase transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 446-452.	1.0	69
27	Bariatric Surgery-Induced Cardiac and Lipidomic Changes in Obesity-Related Heart Failure with Preserved Ejection Fraction. <i>Obesity</i> , 2018, 26, 284-290.	1.5	68
28	A validated LC-MS/MS assay for quantification of 24(S)-hydroxycholesterol in plasma and cerebrospinal fluid. <i>Journal of Lipid Research</i> , 2015, 56, 1222-1233.	2.0	54
29	Box C/D Small Nucleolar RNA (snoRNA) U60 Regulates Intracellular Cholesterol Trafficking. <i>Journal of Biological Chemistry</i> , 2013, 288, 35703-35713.	1.6	52
30	Mitochondrial remodeling in mice with cardiomyocyte-specific lipid overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 275-283.	0.9	52
31	TLR4 Activation Under Lipotoxic Conditions Leads to Synergistic Macrophage Cell Death through a TRIF-Dependent Pathway. <i>Journal of Immunology</i> , 2013, 190, 1285-1296.	0.4	49
32	snoRNA U17 Regulates Cellular Cholesterol Trafficking. <i>Cell Metabolism</i> , 2015, 21, 855-867.	7.2	49
33	Lipotoxicity: Many Roads to Cell Dysfunction and Cell Death: Introduction to a Thematic Review Series. <i>Journal of Lipid Research</i> , 2016, 57, 1327-1328.	2.0	48
34	Long-range function of secreted small nucleolar RNAs that direct 2-O-methylation. <i>Journal of Biological Chemistry</i> , 2018, 293, 13284-13296.	1.6	48
35	Macrophages modulate cardiac function in lipotoxic cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H1366-H1373.	1.5	39
36	A Diet Rich in Medium-Chain Fatty Acids Improves Systolic Function and Alters the Lipidomic Profile in Patients With Type 2 Diabetes: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 504-512.	1.8	39

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37	Cholesterol homeostatic responses provide biomarkers for monitoring treatment for the neurodegenerative disease Niemann-Pick C1 (NPC1). <i>Human Molecular Genetics</i> , 2014, 23, 6022-6033.	1.4	36
38	N-acyl-O-phosphocholineserines: structures of a novel class of lipids that are biomarkers for Niemann-Pick C1 disease. <i>Journal of Lipid Research</i> , 2019, 60, 1410-1424.	2.0	31
39	RNASSET2 is required for ROS propagation during oxidative stress-mediated cell death. <i>Cell Death and Differentiation</i> , 2016, 23, 347-357.	5.0	28
40	Monitoring the itinerary of lysosomal cholesterol in Niemann-Pick Type C1-deficient cells after cyclodextrin treatment. <i>Journal of Lipid Research</i> , 2020, 61, 403-412.	2.0	28
41	Development and validation of LC-MS/MS method for determination of very long acyl chain (C22:0 and) Tj ETQq1 1,0,784314,rgBT /Ove	1.9	26
42	Circulating ceramide ratios and risk of vascular brain aging and dementia. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 160-168.	1.7	25
43	Application of N-palmitoyl-O-phosphocholineserine for diagnosis and assessment of response to treatment in Niemann-Pick type C disease. <i>Molecular Genetics and Metabolism</i> , 2020, 129, 292-302.	0.5	24
44	Diabetic Cardiovascular Disease: Getting to the Heart of the Matter. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 436-445.	1.1	23
45	SmD3 Regulates Intronic Noncoding RNA Biogenesis. <i>Molecular and Cellular Biology</i> , 2012, 32, 4092-4103.	1.1	21
46	Diagnosis of niemann-pick C1 by measurement of bile acid biomarkers in archived newborn dried blood spots. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 183-187.	0.5	21
47	Nuclear export factor 3 regulates localization of small nucleolar RNAs. <i>Journal of Biological Chemistry</i> , 2017, 292, 20228-20239.	1.6	19
48	2-Hydroxypropyl- β -cyclodextrin is the active component in a triple combination formulation for treatment of Niemann-Pick C1 disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1545-1561.	1.2	19
49	Death by lipids: The role of small nucleolar RNAs in metabolic stress. <i>Journal of Biological Chemistry</i> , 2020, 295, 8628-8635.	1.6	19
50	RNA Regulation of Lipotoxicity and Metabolic Stress. <i>Diabetes</i> , 2016, 65, 1816-1823.	0.3	17
51	Loss of SNORA73 reprograms cellular metabolism and protects against steatohepatitis. <i>Nature Communications</i> , 2021, 12, 5214.	5.8	14
52	A novel adipocyte long chain fatty acid transport protein. <i>European Journal of Medical Research</i> , 1996, 1, 176-80.	0.9	13
53	A HILIC-MS/MS method for simultaneous quantification of the lysosomal disease markers galactosylsphingosine and glucosylsphingosine in mouse serum. <i>Biomedical Chromatography</i> , 2018, 32, e4235.	0.8	12
54	Synthesis and characterization of diazirine alkyne probes for the study of intracellular cholesterol trafficking. <i>Journal of Lipid Research</i> , 2019, 60, 707-716.	2.0	12

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55	A novel intrinsically fluorescent probe for study of uptake and trafficking of 25-hydroxycholesterol. <i>Journal of Lipid Research</i> , 2015, 56, 2408-2419.	2.0	11
56	Alterations in plasma triglycerides and ceramides: links with cardiac function in humans with type 2 diabetes. <i>Journal of Lipid Research</i> , 2020, 61, 1065-1074.	2.0	11
57	Application of a glycinated bile acid biomarker for diagnosis and assessment of response to treatment in Niemann-pick disease type C1. <i>Molecular Genetics and Metabolism</i> , 2020, 131, 405-417.	0.5	11
58	Genetic Architecture of Circulating Very-Long-Chain (C24:0 and C22:0) Ceramide Concentrations. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 172.	1.1	10
59	Quantitative Analysis of the Magnitude and Time Delay of Cyclic Variation of Myocardial Backscatter from Asymptomatic Type 2 Diabetes Mellitus Subjects. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1458-1467.	0.7	8
60	Bayesian Parameter Estimation for Characterizing the Cyclic Variation of Echocardiographic Backscatter to Assess the Hearts of Asymptomatic Type 2 Diabetes Mellitus Subjects. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 805-812.	0.7	3
61	Role and Function of FATPs in Fatty Acid Uptake. , 0, , 31-38.		0
62	The non-coding RNA gadd7 is a regulator of lipotoxic-induced ROS and ER stress. <i>FASEB Journal</i> , 2008, 22, 1034.1.	0.2	0
63	Lipid-mediated ER stress. <i>FASEB Journal</i> , 2008, 22, 410.1.	0.2	0