

Jean E Schaffer

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

8,121
citations

101543
36
h-index

128289
60
g-index

65
all docs

65
docs citations

65
times ranked

10630
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of SNORA73 reprograms cellular metabolism and protects against steatohepatitis. <i>Nature Communications</i> , 2021, 12, 5214.	12.8	14
2	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.	1.1	24
3	Death by lipids: The role of small nucleolar RNAs in metabolic stress. <i>Journal of Biological Chemistry</i> , 2020, 295, 8628-8635.	3.4	19
4	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.	4.2	11
5	Circulating ceramide ratios and risk of vascular brain aging and dementia. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 160-168.	3.7	25
6	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.	4.2	28
7	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.	1.1	11
8	Genetic Architecture of Circulating Very-Long-Chain (C24:0 and C22:0) Ceramide Concentrations. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 172.	3.5	10
9	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.	4.2	31
10	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.	2.4	19
11	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.	1.1	21
12	Synthesis and characterization of diazirine alkyne probes for the study of intracellular cholesterol trafficking. <i>Journal of Lipid Research</i> , 2019, 60, 707-716.	4.2	12
13	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.	1.7	12
14	Manifestations and mechanisms of myocardial lipotoxicity in obesity. <i>Journal of Internal Medicine</i> , 2018, 284, 478-491.	6.0	78
15	Mitochondrial Reactive Oxygen Species in Lipotoxic Hearts Induce Post-Translational Modifications of AKAP121, DRP1, and OPA1 That Promote Mitochondrial Fission. <i>Circulation Research</i> , 2018, 122, 58-73.	4.5	225
16	Bariatric Surgery-Induced Cardiac and Lipidomic Changes in Obesity-Related Heart Failure with Preserved Ejection Fraction. <i>Obesity</i> , 2018, 26, 284-290.	3.0	68
17	Long-range function of secreted small nucleolar RNAs that direct 2'-O-methylation. <i>Journal of Biological Chemistry</i> , 2018, 293, 13284-13296.	3.4	48
18	Ceramide Remodeling and Risk of Cardiovascular Events and Mortality. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	113

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19	Effects of Inhibiting VPS4 Support a General Role for ESCRTs in Extracellular Vesicle Biogenesis. Biophysical Journal, 2017, 113, 1342-1352.	0.5	78
20	Targeting the mitochondrial pyruvate carrier attenuates fibrosis in a mouse model of nonalcoholic steatohepatitis. Hepatology, 2017, 65, 1543-1556.	7.3	110
21	Nuclear export factor 3 regulates localization of small nucleolar RNAs. Journal of Biological Chemistry, 2017, 292, 20228-20239.	3.4	19
22	Lipotoxicity: Many Roads to Cell Dysfunction and Cell Death: Introduction to a Thematic Review Series. Journal of Lipid Research, 2016, 57, 1327-1328.	4.2	48
23	Development of a bile acid-based newborn screen for Niemann-Pick disease type C. Science Translational Medicine, 2016, 8, 337ra63.	12.4	89
24	RNA Regulation of Lipotoxicity and Metabolic Stress. Diabetes, 2016, 65, 1816-1823.	0.6	17
25	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. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 504-512.	3.6	39
26	RNASET2 is required for ROS propagation during oxidative stress-mediated cell death. Cell Death and Differentiation, 2016, 23, 347-357.	11.2	28
27	Rpl13a small nucleolar RNAs regulate systemic glucose metabolism. Journal of Clinical Investigation, 2016, 126, 4616-4625.	8.2	78
28	Cytosolic Accumulation of Small Nucleolar RNAs (snoRNAs) Is Dynamically Regulated by NADPH Oxidase. Journal of Biological Chemistry, 2015, 290, 11741-11748.	3.4	70
29	snoRNA U17 Regulates Cellular Cholesterol Trafficking. Cell Metabolism, 2015, 21, 855-867.	16.2	49
30	Mitochondrial remodeling in mice with cardiomyocyte-specific lipid overload. Journal of Molecular and Cellular Cardiology, 2015, 79, 275-283.	1.9	52
31	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.	3.6	97
32	A validated LC-MS/MS assay for quantification of 24(S)-hydroxycholesterol in plasma and cerebrospinal fluid. Journal of Lipid Research, 2015, 56, 1222-1233.	4.2	54
33	A novel intrinsically fluorescent probe for study of uptake and trafficking of 25-hydroxycholesterol. Journal of Lipid Research, 2015, 56, 2408-2419.	4.2	11
34	Cholesterol homeostatic responses provide biomarkers for monitoring treatment for the neurodegenerative disease Niemann-Pick C1 (NPC1). Human Molecular Genetics, 2014, 23, 6022-6033.	2.9	36
35	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	3.7	26
36	TLR4 Activation Under Lipotoxic Conditions Leads to Synergistic Macrophage Cell Death through a TRIF-Dependent Pathway. Journal of Immunology, 2013, 190, 1285-1296.	0.8	49

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37	Box C/D Small Nucleolar RNA (snoRNA) U60 Regulates Intracellular Cholesterol Trafficking. Journal of Biological Chemistry, 2013, 288, 35703-35713.	3.4	52
38	Macrophages modulate cardiac function in lipotoxic cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1366-H1373.	3.2	39
39	SmD3 Regulates Intronic Noncoding RNA Biogenesis. Molecular and Cellular Biology, 2012, 32, 4092-4103.	2.3	21
40	Diabetic Cardiovascular Disease: Getting to the Heart of the Matter. Journal of Cardiovascular Translational Research, 2012, 5, 436-445.	2.4	23
41	Small Nucleolar RNAs U32a, U33, and U35a Are Critical Mediators of Metabolic Stress. Cell Metabolism, 2011, 14, 33-44.	16.2	207
42	Bayesian Parameter Estimation for Characterizing the Cyclic Variation of Echocardiographic Backscatter to Assess the Hearts of Asymptomatic Type 2 Diabetes Mellitus Subjects. Ultrasound in Medicine and Biology, 2011, 37, 805-812.	1.5	3
43	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.	4.2	230
44	Cholesterol Oxidation Products Are Sensitive and Specific Blood-Based Biomarkers for Niemann-Pick C1 Disease. Science Translational Medicine, 2010, 2, 56ra81.	12.4	302
45	DGAT1 Expression Increases Heart Triglyceride Content but Ameliorates Lipotoxicity. Journal of Biological Chemistry, 2009, 284, 36312-36323.	3.4	198
46	The Non-coding RNA gadd7 Is a Regulator of Lipid-induced Oxidative and Endoplasmic Reticulum Stress. Journal of Biological Chemistry, 2009, 284, 7446-7454.	3.4	76
47	Quantitative Analysis of the Magnitude and Time Delay of Cyclic Variation of Myocardial Backscatter from Asymptomatic Type 2 Diabetes Mellitus Subjects. Ultrasound in Medicine and Biology, 2009, 35, 1458-1467.	1.5	8
48	As a Matter of Fat. Cell Metabolism, 2009, 10, 9-12.	16.2	237
49	The non-coding RNA gadd7 is a regulator of lipotoxic-induced ROS and ER stress. FASEB Journal, 2008, 22, 1034.1.	0.5	0
50	Lipid-mediated ER stress. FASEB Journal, 2008, 22, 410.1.	0.5	0
51	Î±-Lipoic acid prevents lipotoxic cardiomyopathy in acyl CoA-synthase transgenic mice. Biochemical and Biophysical Research Communications, 2006, 344, 446-452.	2.1	69
52	Disruption of endoplasmic reticulum structure and integrity in lipotoxic cell death. Journal of Lipid Research, 2006, 47, 2726-2737.	4.2	472
53	A Critical Role for Eukaryotic Elongation Factor 1A-1 in Lipotoxic Cell Death. Molecular Biology of the Cell, 2006, 17, 770-778.	2.1	128
54	Lipotoxicity in the heart. Current Hypertension Reports, 2005, 7, 412-417.	3.5	92

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55	Transgenic Expression of Fatty Acid Transport Protein 1 in the Heart Causes Lipotoxic Cardiomyopathy. Circulation Research, 2005, 96, 225-233.	4.5	394
56	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.	7.1	133
57	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.	7.1	1,622
58	Lipotoxicity: when tissues overeat. Current Opinion in Lipidology, 2003, 14, 281-287.	2.7	761
59	Fatty acid transport: the roads taken. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E239-E246.	3.5	144
60	Palmitate-induced Apoptosis Can Occur through a Ceramide-independent Pathway. Journal of Biological Chemistry, 2001, 276, 14890-14895.	3.4	512
61	A novel mouse model of lipotoxic cardiomyopathy. Journal of Clinical Investigation, 2001, 107, 813-822.	8.2	666
62	A novel adipocyte long chain fatty acid transport protein. European Journal of Medical Research, 1996, 1, 176-80.	2.2	13
63	Role and Function of FATPs in Fatty Acid Uptake. , 0, , 31-38.		0