

Donald B Jump

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

6,836
citations

41
h-index

82
g-index

89
ext. papers

7,661
ext. citations

4.6
avg. IF

6.36
L-index

#	Paper	IF	Citations
86	Regulation of gene expression by dietary fat. <i>Annual Review of Nutrition</i> , 1999 , 19, 63-90	9.9	518
85	The biochemistry of n-3 polyunsaturated fatty acids. <i>Journal of Biological Chemistry</i> , 2002 , 277, 8755-8	5.4	443
84	Role of gut microbiota in type 2 diabetes pathophysiology. <i>EBioMedicine</i> , 2020 , 51, 102590	8.8	403
83	Fatty acid regulation of hepatic gene transcription. <i>Journal of Nutrition</i> , 2005 , 135, 2503-6	4.1	330
82	N-3 polyunsaturated fatty acid regulation of hepatic gene transcription. <i>Current Opinion in Lipidology</i> , 2008 , 19, 242-7	4.4	306
81	Dietary polyunsaturated fatty acids and regulation of gene transcription. <i>Current Opinion in Lipidology</i> , 2002 , 13, 155-64	4.4	305
80	Fatty acid regulation of gene transcription. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2004 , 41, 41-78	4.4	260
79	Regulation of hepatic fatty acid elongase and desaturase expression in diabetes and obesity. <i>Journal of Lipid Research</i> , 2006 , 47, 2028-41	6.3	233
78	Polyunsaturated fatty acid suppression of hepatic fatty acid synthase and S14 gene expression does not require peroxisome proliferator-activated receptor alpha. <i>Journal of Biological Chemistry</i> , 1997 , 272, 26827-32	5.4	216
77	Tissue-specific, nutritional, and developmental regulation of rat fatty acid elongases. <i>Journal of Lipid Research</i> , 2005 , 46, 706-15	6.3	195
76	Fatty acid regulation of hepatic lipid metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011 , 14, 115-20	3.8	175
75	Temporal and dose-dependent hepatic gene expression patterns in mice provide new insights into TCDD-Mediated hepatotoxicity. <i>Toxicological Sciences</i> , 2005 , 85, 1048-63	4.4	160
74	Unsaturated fatty acid regulation of peroxisome proliferator-activated receptor alpha activity in rat primary hepatocytes. <i>Journal of Biological Chemistry</i> , 2003 , 278, 35931-9	5.4	156
73	Sterol response element-binding protein 1c (SREBP1c) is involved in the polyunsaturated fatty acid suppression of hepatic S14 gene transcription. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32725-32	5.4	154
72	Omega-3 fatty acid supplementation and cardiovascular disease. <i>Journal of Lipid Research</i> , 2012 , 53, 2525-45	6.3	139
71	Fatty acid-regulated transcription factors in the liver. <i>Annual Review of Nutrition</i> , 2013 , 33, 249-69	9.9	138
70	Dietary polyunsaturated fats uniquely suppress rat liver fatty acid synthase and S14 mRNA content. <i>Journal of Nutrition</i> , 1990 , 120, 225-31	4.1	134

69	Anti-inflammatory effect of docosahexaenoic acid on cytokine-induced adhesion molecule expression in human retinal vascular endothelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 4342-7		127
68	Docosahexaenoic acid (DHA) and hepatic gene transcription. <i>Chemistry and Physics of Lipids</i> , 2008 , 153, 3-13	3.7	121
67	Docosahexaenoic acid (22:6,n-3) regulates rat hepatocyte SREBP-1 nuclear abundance by Erk- and 26S proteasome-dependent pathways. <i>Journal of Lipid Research</i> , 2006 , 47, 181-92	6.3	120
66	The role of liver X receptor-alpha in the fatty acid regulation of hepatic gene expression. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40736-43	5.4	118
65	Role of fatty acid elongases in determination of de novo synthesized monounsaturated fatty acid species. <i>Journal of Lipid Research</i> , 2010 , 51, 1871-7	6.3	104
64	Docosahexaenoic acid attenuates hepatic inflammation, oxidative stress, and fibrosis without decreasing hepatosteatosis in a Ldlr(-/-) mouse model of western diet-induced nonalcoholic steatohepatitis. <i>Journal of Nutrition</i> , 2013 , 143, 315-23	4.1	96
63	Remodeling of retinal Fatty acids in an animal model of diabetes: a decrease in long-chain polyunsaturated fatty acids is associated with a decrease in fatty acid elongases Elovl2 and Elovl4. <i>Diabetes</i> , 2010 , 59, 219-27	0.9	96
62	Growth hormone regulates the balance between bone formation and bone marrow adiposity. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 757-68	6.3	90
61	Nutritional control of rat liver fatty acid synthase and S14 mRNA abundance. <i>Journal of Nutrition</i> , 1990 , 120, 218-24	4.1	77
60	Inhibition of cytokine signaling in human retinal endothelial cells through modification of caveolae/lipid rafts by docosahexaenoic acid. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 18-26		75
59	Soraphen A, an inhibitor of acetyl CoA carboxylase activity, interferes with fatty acid elongation. <i>Biochemical Pharmacology</i> , 2011 , 81, 649-60	6	74
58	Peroxisome proliferator-activated receptor alpha inhibits hepatic S14 gene transcription. Evidence against the peroxisome proliferator-activated receptor alpha as the mediator of polyunsaturated fatty acid regulation of s14 gene transcription. <i>Journal of Biological Chemistry</i> , 1996 , 271, 17167-73	5.4	70
57	Mammalian fatty acid elongases. <i>Methods in Molecular Biology</i> , 2009 , 579, 375-89	1.4	67
56	Omega-3 polyunsaturated fatty acids as a treatment strategy for nonalcoholic fatty liver disease. <i>Pharmacology & Therapeutics</i> , 2018 , 181, 108-125	13.9	64
55	Regulation of rat hepatic L-pyruvate kinase promoter composition and activity by glucose, n-3 polyunsaturated fatty acids, and peroxisome proliferator-activated receptor-alpha agonist. <i>Journal of Biological Chemistry</i> , 2006 , 281, 18351-62	5.4	62
54	Dyslipidemia, but not hyperglycemia, induces inflammatory adhesion molecules in human retinal vascular endothelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 5016-22		60
53	Fatty acid regulation of liver X receptors (LXR) and peroxisome proliferator-activated receptor alpha (PPARalpha) in HEK293 cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39243-50	5.4	60
52	Fatty acid regulation of gene expression. Its role in fuel partitioning and insulin resistance. <i>Annals of the New York Academy of Sciences</i> , 1997 , 827, 178-87	6.5	54

51	Elevated hepatic fatty acid elongase-5 activity affects multiple pathways controlling hepatic lipid and carbohydrate composition. <i>Journal of Lipid Research</i> , 2008 , 49, 1538-52	6.3	52
50	Potential for dietary Ω 3 fatty acids to prevent nonalcoholic fatty liver disease and reduce the risk of primary liver cancer. <i>Advances in Nutrition</i> , 2015 , 6, 694-702	10	49
49	Elevated hepatic fatty acid elongase-5 activity corrects dietary fat-induced hyperglycemia in obese C57BL/6J mice. <i>Journal of Lipid Research</i> , 2010 , 51, 2642-54	6.3	49
48	Evidence against the peroxisome proliferator-activated receptor α (PPAR α) as the mediator for polyunsaturated fatty acid suppression of hepatic L-pyruvate kinase gene transcription. <i>Journal of Lipid Research</i> , 2000 , 41, 742-751	6.3	47
47	Arachidonic acid and PGE2 regulation of hepatic lipogenic gene expression. <i>Journal of Lipid Research</i> , 1999 , 40, 1045-1052	6.3	45
46	Elovl5 regulates the mTORC2-Akt-FOXO1 pathway by controlling hepatic cis-vaccenic acid synthesis in diet-induced obese mice. <i>Journal of Lipid Research</i> , 2013 , 54, 71-84	6.3	44
45	Insulin rapidly induces rat liver S14 gene transcription. <i>Molecular Endocrinology</i> , 1990 , 4, 1655-60		39
44	Vitamin E deficiency decreases long-chain PUFA in zebrafish (<i>Danio rerio</i>). <i>Journal of Nutrition</i> , 2011 , 141, 2113-8	4.1	37
43	Dietary polyunsaturated fatty acids and hepatic gene expression. <i>Lipids</i> , 1999 , 34 Suppl, S209-12	1.6	37
42	Selective proteolytic processing of rat hepatic sterol regulatory element binding protein-1 (SREBP-1) and SREBP-2 during postnatal development. <i>Journal of Biological Chemistry</i> , 2003 , 278, 6959-62 ⁴	5.4	36
41	A metabolomic analysis of omega-3 fatty acid-mediated attenuation of western diet-induced nonalcoholic steatohepatitis in LDLR $^{-/-}$ mice. <i>PLoS ONE</i> , 2013 , 8, e83756	3.7	36
40	Menhaden oil decreases high-fat diet-induced markers of hepatic damage, steatosis, inflammation, and fibrosis in obese Ldlr $^{-/-}$ mice. <i>Journal of Nutrition</i> , 2012 , 142, 1495-503	4.1	35
39	Functional interaction between sterol regulatory element-binding protein-1c, nuclear factor Y, and 3,5,3'-triiodothyronine nuclear receptors. <i>Journal of Biological Chemistry</i> , 2001 , 276, 34419-27	5.4	34
38	Docosahexaenoic acid blocks progression of western diet-induced nonalcoholic steatohepatitis in obese Ldlr $^{-/-}$ mice. <i>PLoS ONE</i> , 2017 , 12, e0173376	3.7	32
37	Novel liquid chromatography-mass spectrometry method shows that vitamin E deficiency depletes arachidonic and docosahexaenoic acids in zebrafish (<i>Danio rerio</i>) embryos. <i>Redox Biology</i> , 2013 , 2, 105-13 ¹¹³	11.3	31
36	Omega-3 fatty acids and nonalcoholic fatty liver disease in adults and children: where do we stand?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2019 , 22, 103-110	3.8	31
35	Fatty acid elongase-5 (Elovl5) regulates hepatic triglyceride catabolism in obese C57BL/6J mice. <i>Journal of Lipid Research</i> , 2014 , 55, 1448-64	6.3	30
34	Docosahexaenoic acid attenuates Western diet-induced hepatic fibrosis in Ldlr $^{-/-}$ mice by targeting the TGF β 3 signaling pathway. <i>Journal of Lipid Research</i> , 2015 , 56, 1936-46	6.3	29

33	Impact of dietary fat on the development of non-alcoholic fatty liver disease in Ldlr-/- mice. <i>Proceedings of the Nutrition Society</i> , 2016 , 75, 1-9	2.9	29
32	The CCAAT box binding factor, NF-Y, is required for thyroid hormone regulation of rat liver S14 gene transcription. <i>Journal of Biological Chemistry</i> , 1997 , 272, 27778-86	5.4	27
31	A GC-rich region containing Sp1 and Sp1-like binding sites is a crucial regulatory motif for fatty acid synthase gene promoter activity in adipocytes. Implication In the overactivity of FAS promoter in obese Zucker rats. <i>Journal of Biological Chemistry</i> , 1996 , 271, 21297-302	5.4	26
30	T3 stimulates the synthesis of a specific mRNA in primary hepatocyte culture. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 123, 1122-9	3.4	26
29	Is Western Diet-Induced Nonalcoholic Steatohepatitis in Ldlr-/- Mice Reversible?. <i>PLoS ONE</i> , 2016 , 11, e0146942	3.7	26
28	Retinoic acid and dexamethasone interact to regulate S14 gene transcription in 3T3-F442A adipocytes. <i>Molecular and Cellular Endocrinology</i> , 1992 , 84, 65-72	4.4	20
27	Lipidomic and transcriptomic analysis of western diet-induced nonalcoholic steatohepatitis (NASH) in female Ldlr -/- mice. <i>PLoS ONE</i> , 2019 , 14, e0214387	3.7	17
26	Transkingdom interactions between Lactobacilli and hepatic mitochondria attenuate western diet-induced diabetes. <i>Nature Communications</i> , 2021 , 12, 101	17.4	16
25	Hormonal regulation of the S14 gene in 3T3-F442A cells. <i>Molecular Endocrinology</i> , 1989 , 3, 1207-14		15
24	Localization of an adipocyte-specific retinoic acid response domain controlling S14 gene transcription. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 188, 470-6	3.4	14
23	Negative growth effects of ciglitazone on kidney interstitial fibroblasts: role of PPAR-gamma. <i>Kidney and Blood Pressure Research</i> , 2003 , 26, 2-9	3.1	13
22	Specific effects of polyunsaturated fatty acids on gene expression. <i>Current Opinion in Lipidology</i> , 1996 , 7, 53-5	4.4	12
21	Association of thyroid hormone receptors with chromatin. <i>Molecular and Cellular Biochemistry</i> , 1983 , 55, 159-76	4.2	12
20	Probes to study the effect of methyl nitrosourea on ADP-ribosylation and chromatin structure at the subunit level. <i>Chemico-Biological Interactions</i> , 1980 , 30, 35-51	5	12
19	Thermoneutral housing attenuates premature cancellous bone loss in male C57BL/6J mice. <i>Endocrine Connections</i> , 2019 , 8, 1455-1467	3.5	12
18	Supplementing Ca salts of soybean oil after artificial insemination increases pregnancy success in Bos taurus beef cows. <i>Journal of Animal Science</i> , 2018 , 96, 2838-2850	0.7	9
17	Supplementing calcium salts of soybean oil to beef steers early in life to enhance carcass development and quality ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 4182-4192	0.7	9
16	A Lipidomic Analysis of Docosahexaenoic Acid (22:6, β) Mediated Attenuation of Western Diet Induced Nonalcoholic Steatohepatitis in Male Mice. <i>Metabolites</i> , 2019 , 9,	5.6	9

15	Fatty acids and gene transcription. <i>Food Nutrition Research</i> , 2006 , 50, 5-12		9
14	Tissue specificity of S14 and fatty acid synthase in vitro transcription. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 182, 631-7	3-4	9
13	Supplementing Ca salts of soybean oil to late-gestating beef cows: impacts on performance and physiological responses of the offspring. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	6
12	Dietary polyunsaturated fatty acid regulation of hepatic gene transcription. <i>Scandinavian Journal of Nutrition</i> , 2002 , 46, 59-67		5
11	Evidence for post-transcriptional effects of T3 on hepatic ferritin synthesis. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 104, 701-7	3-4	3
10	Plasma Oxylipins: A Potential Risk Assessment Tool in Atherosclerotic Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 645786	5-4	3
9	Using low-moisture molasses-based blocks to supplement Ca salts of soybean oil to forage-fed beef cows. <i>Translational Animal Science</i> , 2020 , 4, txa061	1.4	2
8	Elevated hepatic fatty acid elongase-5 (Elovl5) attenuates fatty liver in high fat diet induced obese mice. <i>FASEB Journal</i> , 2013 , 27, 1010.3	0.9	1
7	Tetrahydroxanthohumol, a xanthohumol derivative, attenuates high-fat diet-induced hepatic steatosis by antagonizing PPAR α . <i>Life</i> , 2021 , 10,	8.9	1
6	Regulation of Rat Hepatic Elongase and Desaturase Expression. <i>FASEB Journal</i> , 2006 , 20, A91	0.9	
5	Polyunsaturated Fatty Acids (PUFA) Regulate Hepatic Nuclear Factor-4 (HNF4) Binding to the Rat Hepatic L-Pyruvate Kinase (LPK) Promoter.. <i>FASEB Journal</i> , 2006 , 20, A958	0.9	
4	Insulin and Docosahexaenoic Acid (22:6,n-3) Regulate Rat Hepatocyte Sterol Regulatory Element Binding Protein-1 (SREBP-1) Nuclear Abundance. <i>FASEB Journal</i> , 2006 , 20, A958	0.9	
3	Lipids and Membrane Proteins that Regulate Genes of Lipid Metabolism. <i>FASEB Journal</i> , 2008 , 22, 251.2	0.9	
2	Fatty acid elongase-5 (Elovl5) regulates the mTORC2-FoxO1 pathway in obese-diabetic C57BL/6J mice. <i>FASEB Journal</i> , 2012 , 26, 759.2	0.9	
1	Weight loss alone does not fully resolve non-alcoholic steatohepatitis markers in western diet fed Ldlr $^{-/-}$ mice: a pilot study (1116.5). <i>FASEB Journal</i> , 2014 , 28, 1116.5	0.9	