Joseph L Goldstein

List of Publications by Citations

71 papers	28,885 citations	44 h-index	78 g-index
78 ext. papers	31,301 ext. citations	23.1 avg, IF	7.25 L-index

#	Paper	IF	Citations
71	Regulation of the mevalonate pathway. *Nature*, **1990**, 343, 425-30	50.4	4457
70	SREBPs: activators of the complete program of cholesterol and fatty acid synthesis in the liver. *Journal of Clinical Investigation*, **2002**, 109, 1125-1131	15.9	3077
69	The SREBP pathway: regulation of cholesterol metabolism by proteolysis of a membrane-bound transcription factor. *Cell*, **1997**, 89, 331-40	56.2	2961
68	SREBPs: activators of the complete program of cholesterol and fatty acid synthesis in the liver. *Journal of Clinical Investigation*, **2002**, 109, 1125-31	15.9	1644
67	Receptor-mediated endocytosis of low-density lipoprotein in cultured cells. *Methods in Enzymology*, **1983**, 98, 241-60	1.7	1428
66	The human LDL receptor: a cysteine-rich protein with multiple Alu sequences in its mRNA. *Cell*, **1984**, 39, 27-38	56.2	1347
65	Protein sensors for membrane sterols. *Cell*, **2006**, 124, 35-46	56.2	1204
64	Binding and Degradation of Low Density Lipoproteins by Cultured Human Fibroblasts. *Journal of Biological Chemistry*, **1974**, 249, 5153-5162	5.4	976
63	Molecular genetics of the LDL receptor gene in familial hypercholesterolemia. *Human Mutation*, **1992**, 1, 445-66	4.7	919
62	SREBP-1, a membrane-bound transcription factor released by sterol-regulated proteolysis. *Cell*, **1994**, 77, 53-62	56.2	863
61	The LDL receptor. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 431-8	9.4	789
60	Selective versus total insulin resistance: a pathogenic paradox. *Cell Metabolism*, **2008**, 7, 95-6	24.6	660
59	Decreased IRS-2 and Increased SREBP-1c Lead to Mixed Insulin Resistance and Sensitivity in Livers of Lipodystrophic and ob/ob Mice. *Molecular Cell*, **2000**, 6, 77-86	17.6	659
58	A century of cholesterol and coronaries: from plaques to genes to statins. *Cell*, **2015**, 161, 161-172	56.2	564
57	Bifurcation of insulin signaling pathway in rat liver: mTORC1 required for stimulation of lipogenesis, but not inhibition of gluconeogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3441-6	11.5	509
56	Diminished hepatic response to fasting/refeeding and liver X receptor agonists in mice with selective deficiency of sterol regulatory element-binding protein-1c. *Journal of Biological Chemistry*, **2002**, 277, 9520-8	5.4	485
55	Structure of N-terminal domain of NPC1 reveals distinct subdomains for binding and transfer of cholesterol. *Cell*, **2009**, 137, 1213-24	56.2	477

54	Central role for liver X receptor in insulin-mediated activation of Srebp-1c transcription and stimulation of fatty acid synthesis in liver. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 11245-50	11.5	419
53	Sterol-regulated transport of SREBPs from endoplasmic reticulum to Golgi: oxysterols block transport by binding to Insig. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6511-8	11.5	416
52	Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. *Nature*, **1987**, 326, 760-5	50.4	364
51	Switch-like control of SREBP-2 transport triggered by small changes in ER cholesterol: a delicate balance. *Cell Metabolism*, **2008**, 8, 512-21	24.6	359
50	Cholesterol feedback: from Schoenheimer's bottle to Scap's MELADL. *Journal of Lipid Research*, **2009**, 50 Suppl, S15-27	6.3	334
49	Ghrelin O-acyltransferase (GOAT) is essential for growth hormone-mediated survival of calorie-restricted mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7467-72	11.5	332
48	NPC2 facilitates bidirectional transfer of cholesterol between NPC1 and lipid bilayers, a step in cholesterol egress from lysosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15287-92	11.5	331
47	Nucleotide sequence of 3-hydroxy-3-methyl-glutaryl coenzyme A reductase, a glycoprotein of endoplasmic reticulum. *Nature*, **1984**, 308, 613-7	50.4	256
46	The Scap/SREBP pathway is essential for developing diabetic fatty liver and carbohydrate-induced hypertriglyceridemia in animals. *Cell Metabolism*, **2012**, 15, 240-6	24.6	210
45	Mutant mammalian cells as tools to delineate the sterol regulatory element-binding protein pathway for feedback regulation of lipid synthesis. *Archives of Biochemistry and Biophysics*, **2002**, 397, 139-48	4.1	194
44	Three pools of plasma membrane cholesterol and their relation to cholesterol homeostasis. *ELife*, **2014**, 3,	8.9	192
43	Insulin stimulation of SREBP-1c processing in transgenic rat hepatocytes requires p70 S6-kinase. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 16184-9	11.5	185
42	Identification of NPC1 as the target of U18666A, an inhibitor of lysosomal cholesterol export and Ebola infection. *ELife*, **2015**, 4,	8.9	184
41	Retrospective on Cholesterol Homeostasis: The Central Role of Scap. *Annual Review of Biochemistry* , **2018**, 87, 783-807	29.1	180
40	Identification of surface residues on Niemann-Pick C2 essential for hydrophobic handoff of cholesterol to NPC1 in lysosomes. *Cell Metabolism*, **2010**, 12, 166-73	24.6	169
39	Low density lipoprotein receptors in bovine adrenal cortex. II. Low density lipoprotein binding to membranes prepared from fresh tissue. *Endocrinology*, **1979**, 104, 610-6	4.8	159
38	Cyclodextrin overcomes deficient lysosome-to-endoplasmic reticulum transport of cholesterol in Niemann-Pick type C cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19316-21	11.5	127
37	Induced ablation of ghrelin cells in adult mice does not decrease food intake, body weight, or response to high-fat diet. *Cell Metabolism*, **2014**, 20, 54-60	24.6	116

36	Receptor-mediated uptake of lipoprotein-cholesterol and its utilization for steroid synthesis in the adrenal cortex. *Endocrine Reviews*, **1979**, 35, 215-57		94
35	Use of mutant 125I-perfringolysin O to probe transport and organization of cholesterol in membranes of animal cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10580-5	11.5	92
34	Profound hypoglycemia in starved, ghrelin-deficient mice is caused by decreased gluconeogenesis and reversed by lactate or fatty acids. *Journal of Biological Chemistry*, **2012**, 287, 17942-50	5.4	81
33	Reduced autophagy in livers of fasted, fat-depleted, ghrelin-deficient mice: reversal by growth hormone. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 1226-31	11.5	56
32	Triazoles inhibit cholesterol export from lysosomes by binding to NPC1. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 89-94	11.5	43
31	A Receptor-Mediated Pathway for Cholesterol Homeostasis (Nobel Lecture). *Angewandte Chemie International Edition in English*, **1986**, 25, 583-602		38
30	Insulin induction of SREBP-1c in rodent liver requires LXR□C/EBP□complex. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 8182-7	11.5	37
29	Gene therapy for cholesterol. *Nature Genetics*, **1994**, 7, 349-50	36.3	34
28	Last step in the path of LDL cholesterol from lysosome to plasma membrane to ER is governed by phosphatidylserine. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18521-18529	11.5	34
27	From fatty streak to fatty liver: 33 years of joint publications in the JCI. *Journal of Clinical Investigation*, **2008**, 118, 1220-2	15.9	29
26	Cholesterol-induced conformational changes in the sterol-sensing domain of the Scap protein suggest feedback mechanism to control cholesterol synthesis. *Journal of Biological Chemistry*, **2017**, 292, 8729-8737	5.4	24
25	Growth hormone acts on liver to stimulate autophagy, support glucose production, and preserve blood glucose in chronically starved mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7449-7454	11.5	23
24	History of science. A golden era of Nobel laureates. *Science*, **2012**, 338, 1033-4	33.3	23
23	Point mutation in luminal loop 7 of Scap protein blocks interaction with loop 1 and abolishes movement to Golgi. *Journal of Biological Chemistry*, **2013**, 288, 14059-14067	5.4	22
22	Lysosomal cholesterol export reconstituted from fragments of Niemann-Pick C1. *ELife*, **2018**, 7,	8.9	16
21	How a jolt and a bolt in a dentist's chair revolutionized cataract surgery. *Nature Medicine*, **2004**, 10, 1032-3	30.5	11
20	Familial hypercholesterolemia: a genetic receptor disease. *Hospital Practice (1995)*, **1985**, 20, 35-41, 45-6	2.2	9
19	Prolonged hypouricemia associated with acute chlorprothixene ingestion. *Arthritis and Rheumatism*, **1975**, 18, 739-41		9

18	Genetic Aspects of Hyperlipidemia in Coronary Heart Disease. *Hospital Practice (1995)*, **1973**, 8, 53-65	2.2	9
17	BHLHE40, a third transcription factor required for insulin induction of SREBP-1c mRNA in rodent liver. *ELife*, **2018**, 7,	8.9	7
16	The Spanish 1918 Flu and the COVID-19 Disease: The Art of Remembering and Foreshadowing Pandemics. *Cell*, **2020**, 183, 285-289	56.2	5
15	Author response: Identification of NPC1 as the target of U18666A, an inhibitor of lysosomal cholesterol export and Ebola infection **2015**,		4
14	Seurat's Dots: A Shot Heard 'Round the Art World-Fired by an Artist, Inspired by a Scientist. *Cell*, **2019**, 179, 46-50	56.2	3
13	Linkage investigation of a large family with Reifenstein's syndrome. *Clinical Genetics*, **1975**, 7, 342-4	4	3
12	Interplay between Asters/GRAMD1s and phosphatidylserine in intermembrane transport of LDL cholesterol.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	3
11	Science over politics. *Science*, **1999**, 283, 1849-50	33.3	2
10	Presentation of the Kober Medal for 1999 to Jean D. Wilson physician-scientist exemplar. *Proceedings of the Association of American Physicians*, **1999**, 111, 469-79		1
9	Artists Create Puzzles, Scientists Solve Them. *Cell*, **2017**, 171, 5-9	56.2	0
8	Burgers, Chips, and Genes. *Annals of the New York Academy of Sciences*, **1999**, 882, 8-21	6.5	0
7	The Rule of Three for Prizes in Science and the Bold Triptychs of Francis Bacon. *Cell*, **2016**, 167, 5-8	56.2	0
6	The Central Role of Insig Proteins in Regulating Cholesterol Homeostasis. *FASEB Journal*, **2007**, 21, A146	0.9	
5	Response : Battling Heart Disease. *Science*, **1996**, 273, 15-15	33.3	
4	Cholesterol feedback: A tale of two membrane proteins and two sterol sensors. *FASEB Journal*, **2009**, 23, 95.1	0.9	
3	Cholesterol Feedback: A Tale of Two Membrane Proteins and Two Sterol Sensors.. *FASEB Journal*, **2009**, 23, 95.2	0.9	
2	The SREBP Pathway: Stadtman's Paradigm Applied to Cholesterol. *FASEB Journal*, **2011**, 25, 201.1	0.9	
1	The surprise element: A hallmark of creativity in scientists, artists, and comedians. *Cell*, **2021**, 184, 5261-5265	56.2	