# Joseph L Goldstein

List of Publications by Year
in descending order



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|---|---|---|---|
| 75 papers | 34,317 citations | 46918 47 h-index | 95083 68 g-index |
| 78 all docs | 78 docs citations | 78 times ranked | 26723 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Regulation of the mevalonate pathway. Nature, 1990, 343, 425-430. | 13.7 | 4,996 |
| 2 | SREBPs: activators of the complete program of cholesterol and fatty acid synthesis in the liver. Journal of Clinical Investigation, 2002, 109, 1125-1131. | 3.9 | 3,528 |
| 3 | The SREBP Pathway: Regulation of Cholesterol Metabolism by Proteolysis of a Membrane-Bound Transcription Factor. Cell, 1997, 89, 331-340. | 13.5 | 3,353 |
| 4 | SREBPs: activators of the complete program of cholesterol and fatty acid synthesis in the liver. Journal of Clinical Investigation, 2002, 109, 1125-1131. | 3.9 | 2,177 |
| 5 | [19] Receptor-mediated endocytosis of low-density lipoprotein in cultured cells. Methods in Enzymology, 1983, 98, 241-260. | 0.4 | 1,557 |
| 6 | The human LDL receptor: A cysteine-rich protein with multiple Alu sequences in its mRNA. Cell, 1984, 39, 27-38. | 13.5 | 1,459 |
| 7 | Protein Sensors for Membrane Sterols. Cell, 2006, 124, 35-46. | 13.5 | 1,405 |
| 8 | Binding and Degradation of Low Density Lipoproteins by Cultured Human Fibroblasts. Journal of Biological Chemistry, 1974, 249, 5153-5162. | 1.6 | 1,360 |
| 9 | The LDL Receptor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 431-438. | 1.1 | 1,050 |
| 10 | Molecular genetics of the LDL receptor gene in familial hypercholesterolemia. Human Mutation, 1992, 1, 445-466. | 1.1 | 1,045 |
| 11 | SREBP-1, a membrane-bound transcription factor released by sterol-regulated proteolysis. Cell, 1994, 77, 53-62. | 13.5 | 954 |
| 12 | A Century of Cholesterol and Coronaries: From Plaques to Genes to Statins. Cell, 2015, 161, 161-172. | 13.5 | 827 |
| 13 | Selective versus Total Insulin Resistance: A Pathogenic Paradox. Cell Metabolism, 2008, 7, 95-96. | 7.2 | 810 |
| 14 | 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. | 4.5 | 737 |
| 15 | 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, 3441-3446. | 3.3 | 613 |
| 16 | Structure of N-Terminal Domain of NPC1 Reveals Distinct Subdomains for Binding and Transfer of Cholesterol. Cell, 2009, 137, 1213-1224. | 13.5 | 589 |
| 17 | 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, 9520-9528. | 1.6 | 563 |
| 18 | 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, 6511-6518. | 3.3 | 492 |

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|---|---|---|---|
| 19 | 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, 11245-11250. | 3.3 | 468 |
| 20 | Switch-like Control of SREBP-2 Transport Triggered by Small Changes in ER Cholesterol: A Delicate Balance. Cell Metabolism, 2008, 8, 512-521. | 7.2 | 464 |
| 21 | Cholesterol feedback: from Schoenheimer's bottle to Scap's MELADL. Journal of Lipid Research, 2009, 50, S15-S27. | 2.0 | 413 |
| 22 | Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. Nature, 1987, 326, 760-765. | 13.7 | 407 |
| 23 | 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, 15287-15292. | 3.3 | 402 |
| 24 | 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, 7467-7472. | 3.3 | 381 |
| 25 | Retrospective on Cholesterol Homeostasis: The Central Role of Scap. Annual Review of Biochemistry, 2018, 87, 783-807. | 5.0 | 329 |
| 26 | Three pools of plasma membrane cholesterol and their relation to cholesterol homeostasis. ELife, 2014, 3, . | 2.8 | 281 |
| 27 | Nucleotide sequence of 3-hydroxy-3-methyl-glutaryl coenzyme A reductase, a glycoprotein of endoplasmic reticulum. Nature, 1984, 308, 613-617. | 13.7 | 275 |
| 28 | The Scap/SREBP Pathway Is Essential for Developing Diabetic Fatty Liver and Carbohydrate-Induced Hypertriglyceridemia in Animals. Cell Metabolism, 2012, 15, 240-246. | 7.2 | 263 |
| 29 | Identification of NPC1 as the target of U18666A, an inhibitor of lysosomal cholesterol export and Ebola infection. ELife, 2015, 4, . | 2.8 | 249 |
| 30 | Teaching old dogmas new tricks. Nature, 1987, 330, 113-114. | 13.7 | 236 |
| 31 | 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, 16184-16189. | 3.3 | 228 |
| 32 | 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, 139-148. | 1.4 | 212 |
| 33 | Identification of Surface Residues on Niemann-Pick C2 Essential for Hydrophobic Handoff of Cholesterol to NPC1 in Lysosomes. Cell Metabolism, 2010, 12, 166-173. | 7.2 | 205 |
| 34 | Scavenging for receptors. Nature, 1990, 343, 508-509. | 13.7 | 184 |
| 35 | Low Density Lipoprotein Receptors in Bovine Adrenal Cortex. II. Low Density Lipoprotein Binding to Membranes Prepared from Fresh Tissue*. Endocrinology, 1979, 104, 610-616. | 1.4 | 173 |
| 36 | Receptor-Mediated Uptake of Lipoprotein-Cholesterol and Its Utilization for Steroid Synthesis in the Adrenal Cortex. , 1979, 35, 215-257. | | 168 |

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|---|---|---|---|
| 37 | 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, 19316-19321. | 3.3 | 160 |
| 38 | Calcium cages, acid baths and recycling receptors. Nature, 1997, 388, 629-630. | 13.7 | 155 |
| 39 | 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. | 7.2 | 135 |
| 40 | Use of mutant <sup>125</sup> I-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, 10580-10585. | 3.3 | 108 |
| 41 | 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, 17942-17950. | 1.6 | 107 |
| 42 | 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. | 3.3 | 84 |
| 43 | What Makes a Piece of Art or Science a Masterpiece?. Cell, 2018, 175, 1-5. | 13.5 | 75 |
| 44 | Mad Bet for Rab. Nature, 1993, 366, 14-15. | 13.7 | 68 |
| 45 | 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, 1226-1231. | 3.3 | 68 |
| 46 | 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. | 3.3 | 60 |
| 47 | Insulin induction of SREBP-1c in rodent liver requires LXRÎ±-C/EBPÎ² complex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8182-8187. | 3.3 | 57 |
| 48 | A Receptor-Mediated Pathway for Cholesterol Homeostasis(Nobel Lecture). Angewandte Chemie International Edition in English, 1986, 25, 583-602. | 4.4 | 53 |
| 49 | Gene therapy for cholesterol. Nature Genetics, 1994, 7, 349-350. | 9.4 | 41 |
| 50 | 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. | 1.6 | 32 |
| 51 | From fatty streak to fatty liver: 33 years of joint publications in the JCI. Journal of Clinical Investigation, 2008, 118, 1220-1222. | 3.9 | 32 |
| 52 | 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. | 3.3 | 31 |
| 53 | Lysosomal cholesterol export reconstituted from fragments of Niemann-Pick C1. ELife, 2018, 7, . | 2.8 | 29 |
| 54 | 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. | 1.6 | 28 |

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|---|---|---|---|
| 55 | A Golden Era of Nobel Laureates. Science, 2012, 338, 1033-1034. | 6.0 | 26 |
| 56 | 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, . | 3.3 | 20 |
| 57 | BHLHE40, a third transcription factor required for insulin induction of SREBP-1c mRNA in rodent liver. ELife, 2018, 7, . | 2.8 | 18 |
| 58 | How a jolt and a bolt in a dentist's chair revolutionized cataract surgery. Nature Medicine, 2004, 10, 1032-1033. | 15.2 | 13 |
| 59 | Familial Hypercholesterolemia: A Genetic Receptor Disease. Hospital Practice (1995), 1985, 20, 35-46. | 0.5 | 12 |
| 60 | Genetic Aspects of Hyperlipidemia in Coronary Heart Disease. Hospital Practice (1995), 1973, 8, 53-65. | 0.5 | 11 |
| 61 | Prolonged hypouricemia associated with acute chlorprothixene ingestion. Arthritis and Rheumatism, 1975, 18, 739-742. | 6.7 | 9 |
| 62 | The Spanish 1918 Flu and the COVID-19 Disease: The Art of Remembering and Foreshadowing Pandemics. Cell, 2020, 183, 285-289. | 13.5 | 9 |
| 63 | Linkage investigation of a large family with Reifenstein's syndrome. Clinical Genetics, 1975, 7, 342-344. | 1.0 | 4 |
| 64 | The Rule of Three for Prizes in Science and the Bold Triptychs of Francis Bacon. Cell, 2016, 167, 5-8. | 13.5 | 3 |
| 65 | Artists Create Puzzles, Scientists Solve Them. Cell, 2017, 171, 5-9. | 13.5 | 3 |
| 66 | Seuratâ€™s Dots: A Shot Heard â€™Round the Art Worldâ€”Fired by an Artist, Inspired by a Scientist. Cell, 2019, 179, 46-50. | 13.5 | 3 |
| 67 | Science Over Politics. Science, 1999, 283, 1849b-1849. | 6.0 | 3 |
| 68 | Presentation of the Kober Medal for 1999 to Jean D. Wilson Physicianâ€Scientist Exemplar. Proceedings of the Association of American Physicians, 1999, 111, 469-479. | 2.1 | 1 |
| 69 | Burgers, Chips, and Genes. Annals of the New York Academy of Sciences, 1999, 882, 8-21. | 1.8 | 1 |
| 70 | The surprise element: A hallmark of creativity in scientists, artists, and comedians. Cell, 2021, 184, 5261-5265. | 13.5 | 0 |
| 71 | The Central Role of Insig Proteins in Regulating Cholesterol Homeostasis. FASEB Journal, 2007, 21, A146. | 0.2 | 0 |
| 72 | Cholesterol feedback: A tale of two membrane proteins and two sterol sensors. FASEB Journal, 2009, 23, 95.1. | 0.2 | 0 |

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| 73 | Cholesterol Feedback: A Tale of Two Membrane Proteins and Two Sterol Sensors.. FASEB Journal, 2009, 23, 95.2. | 0.2 | 0 |
| 74 | The SREBP Pathway: Stadtman's Paradigm Applied to Cholesterol. FASEB Journal, 2011, 25, 201.1. | 0.2 | 0 |
| 75 | Response : Battling Heart Disease. Science, 1996, 273, 15-15. | 6.0 | 0 |