

# Michael S Brown

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3029269/publications.pdf>

Version: 2024-02-01

50  
papers

19,647  
citations

117625

34  
h-index

233421

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

18150  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Regulation of the mevalonate pathway. <i>Nature</i> , 1990, 343, 425-430.   | 27.8 | 4,996     |
| 2  | The SREBP Pathway: Regulation of Cholesterol Metabolism by Proteolysis of a Membrane-Bound Transcription Factor. <i>Cell</i> , 1997, 89, 331-340.   | 28.9 | 3,353     |
| 3  | Binding and Degradation of Low Density Lipoproteins by Cultured Human Fibroblasts. <i>Journal of Biological Chemistry</i> , 1974, 249, 5153-5162.   | 3.4  | 1,360     |
| 4  | Molecular genetics of the LDL receptor gene in familial hypercholesterolemia. <i>Human Mutation</i> , 1992, 1, 445-466.   | 2.5  | 1,045     |
| 5  | SREBP-1, a membrane-bound transcription factor released by sterol-regulated proteolysis. <i>Cell</i> , 1994, 77, 53-62.   | 28.9 | 954       |
| 6  | A Century of Cholesterol and Coronaries: From Plaques to Genes to Statins. <i>Cell</i> , 2015, 161, 161-172.  | 28.9 | 827       |
| 7  | Selective versus Total Insulin Resistance: A Pathogenic Paradox. <i>Cell Metabolism</i> , 2008, 7, 95-96.   | 16.2 | 810       |
| 8  | Structure of N-Terminal Domain of NPC1 Reveals Distinct Subdomains for Binding and Transfer of Cholesterol. <i>Cell</i> , 2009, 137, 1213-1224.   | 28.9 | 589       |
| 9  | Sterol-regulated transport of SREBPs from endoplasmic reticulum to Golgi: Oxysterols block transport by binding to Insig. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6511-6518.              | 7.1  | 492       |
| 10 | Switch-like Control of SREBP-2 Transport Triggered by Small Changes in ER Cholesterol: A Delicate Balance. <i>Cell Metabolism</i> , 2008, 8, 512-521.   | 16.2 | 464       |
| 11 | Cholesterol feedback: from Schoenheimer's bottle to Scap's MELADL. <i>Journal of Lipid Research</i> , 2009, 50, S15-S27.  | 4.2  | 413       |
| 12 | Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. <i>Nature</i> , 1987, 326, 760-765.   | 27.8 | 407       |
| 13 | NPC2 facilitates bidirectional transfer of cholesterol between NPC1 and lipid bilayers, a step in cholesterol egress from lysosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15287-15292. | 7.1  | 402       |
| 14 | Retrospective on Cholesterol Homeostasis: The Central Role of Scap. <i>Annual Review of Biochemistry</i> , 2018, 87, 783-807.   | 11.1 | 329       |
| 15 | Three pools of plasma membrane cholesterol and their relation to cholesterol homeostasis. <i>ELife</i> , 2014, 3, .   | 6.0  | 281       |
| 16 | Nucleotide sequence of 3-hydroxy-3-methyl-glutaryl coenzyme A reductase, a glycoprotein of endoplasmic reticulum. <i>Nature</i> , 1984, 308, 613-617.   | 27.8 | 275       |
| 17 | Identification of NPC1 as the target of U18666A, an inhibitor of lysosomal cholesterol export and Ebola infection. <i>ELife</i> , 2015, 4, .  | 6.0  | 249       |
| 18 | Teaching old dogmas new tricks. <i>Nature</i> , 1987, 330, 113-114.   | 27.8 | 236       |

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|----|---|------|-----------|
| 19 | MOLECULAR MEDICINE: The Cholesterol Quartet. <i>Science</i> , 2001, 292, 1310-1312.   | 12.6 | 223       |
| 20 | BIOMEDICINE: Lowering LDL–Not Only How Low, But How Long?. <i>Science</i> , 2006, 311, 1721-1723.   | 12.6 | 193       |
| 21 | Scavenging for receptors. <i>Nature</i> , 1990, 343, 508-509.   | 27.8 | 184       |
| 22 | Low Density Lipoprotein Receptors in Bovine Adrenal Cortex. II. Low Density Lipoprotein Binding to Membranes Prepared from Fresh Tissue*. <i>Endocrinology</i> , 1979, 104, 610-616.  | 2.8  | 173       |
| 23 | Receptor-Mediated Uptake of Lipoprotein-Cholesterol and Its Utilization for Steroid Synthesis in the Adrenal Cortex. , 1979, 35, 215-257.   |      | 168       |
| 24 | Cyclodextrin overcomes deficient lysosome-to-endoplasmic reticulum transport of cholesterol in Niemann-Pick type C cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19316-19321.        | 7.1  | 160       |
| 25 | Calcium cages, acid baths and recycling receptors. <i>Nature</i> , 1997, 388, 629-630.  | 27.8 | 155       |
| 26 | Induced Ablation of Ghrelin Cells in Adult Mice Does Not Decrease Food Intake, Body Weight, or Response to High-Fat Diet. <i>Cell Metabolism</i> , 2014, 20, 54-60.   | 16.2 | 135       |
| 27 | Use of mutant <sup>125</sup> I-Perfringolysin O to probe transport and organization of cholesterol in membranes of animal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10580-10585. | 7.1  | 108       |
| 28 | Last step in the path of LDL cholesterol from lysosome to plasma membrane to ER is governed by phosphatidylserine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18521-18529.               | 7.1  | 84        |
| 29 | Mad Bet for Rab. <i>Nature</i> , 1993, 366, 14-15.  | 27.8 | 68        |
| 30 | Reduced autophagy in livers of fasted, fat-depleted, ghrelin-deficient mice: Reversal by growth hormone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1226-1231.                           | 7.1  | 68        |
| 31 | Triazoles inhibit cholesterol export from lysosomes by binding to NPC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 89-94.  | 7.1  | 60        |
| 32 | Insulin induction of SREBP-1c in rodent liver requires LXR <sup>1</sup> -C/EBP <sup>2</sup> complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8182-8187.                               | 7.1  | 57        |
| 33 | A Receptor-Mediated Pathway for Cholesterol Homeostasis(Nobel Lecture). <i>Angewandte Chemie International Edition in English</i> , 1986, 25, 583-602.  | 4.4  | 53        |
| 34 | HDL <i>miR</i> -ed Down by <i>SREBP</i> Introns. <i>Science</i> , 2010, 328, 1495-1496.   | 12.6 | 43        |
| 35 | Gene therapy for cholesterol. <i>Nature Genetics</i> , 1994, 7, 349-350.  | 21.4 | 41        |
| 36 | Cholesterol-induced conformational changes in the sterol-sensing domain of the Scap protein suggest feedback mechanism to control cholesterol synthesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 8729-8737.                           | 3.4  | 32        |

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|----|---|------|-----------|
| 37 | 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. | 7.1  | 31        |
| 38 | Lysosomal cholesterol export reconstituted from fragments of Niemann-Pick C1. ELife, 2018, 7, .   | 6.0  | 29        |
| 39 | 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.   | 3.4  | 28        |
| 40 | 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, .  | 7.1  | 20        |
| 41 | BHLHE40, a third transcription factor required for insulin induction of SREBP-1c mRNA in rodent liver. ELife, 2018, 7, .  | 6.0  | 18        |
| 42 | Familial Hypercholesterolemia: A Genetic Receptor Disease. Hospital Practice (1995), 1985, 20, 35-46.   | 1.0  | 12        |
| 43 | The Making of a Physician-Scientist: 2000a. Annals of the New York Academy of Sciences, 1999, 882, 247-256.   | 3.8  | 7         |
| 44 | Scientific Side Trips: Six Excursions from the Beaten Path. Journal of Biological Chemistry, 2012, 287, 22418-22435.  | 3.4  | 6         |
| 45 | Science Over Politics. Science, 1999, 283, 1849b-1849.  | 12.6 | 3         |
| 46 | Presentation of the Kober Medal for 1999 to Jean D. Wilson Physician-Scientist Exemplar. Proceedings of the Association of American Physicians, 1999, 111, 469-479.   | 2.0  | 1         |
| 47 | Cholesterol feedback: A tale of two membrane proteins and two sterol sensors. FASEB Journal, 2009, 23, 95.1.  | 0.5  | 0         |
| 48 | Cholesterol Feedback: A Tale of Two Membrane Proteins and Two Sterol Sensors.. FASEB Journal, 2009, 23, 95.2.   | 0.5  | 0         |
| 49 | The SREBP Pathway: Stadtman's Paradigm Applied to Cholesterol. FASEB Journal, 2011, 25, 201.1.  | 0.5  | 0         |
| 50 | <i>Response</i> : Battling Heart Disease. Science, 1996, 273, 15-15.  | 12.6 | 0         |