# Bao-Liang Song

List of Publications by Year
in descending order

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|---|---|---|---|
| 88<br>papers | 7,959<br>citations | 46918<br>47<br>h-index | 53109<br>85<br>g-index |
| 92<br>all docs | 92<br>docs citations | 92<br>times ranked | 9785<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Analysis of Protein Cholesterylation by Biorthogonal Labeling. Methods in Molecular Biology, 2022, 2374, 27-36. | 0.4 | 4 |
| 2 | Sparse deconvolution improves the resolution of live-cell super-resolution fluorescence microscopy. Nature Biotechnology, 2022, 40, 606-617. | 9.4 | 140 |
| 3 | Discovery of an insulinâ€induced gene binding compound that ameliorates nonalcoholic steatohepatitis by inhibiting sterol regulatory elementâ€binding proteinâ€“mediated lipogenesis. Hepatology, 2022, 76, 1466-1481. | 3.6 | 24 |
| 4 | Cholesterylation of Smoothened is a calcium-accelerated autoreaction involving an intramolecular ester intermediate. Cell Research, 2022, 32, 288-301. | 5.7 | 18 |
| 5 | Induction of senescence-associated secretory phenotype underlies the therapeutic efficacy of PRC2 inhibition in cancer. Cell Death and Disease, 2022, 13, 155. | 2.7 | 14 |
| 6 | Ablation of Plasma Prekallikrein Decreases Low-Density Lipoprotein Cholesterol by Stabilizing Low-Density Lipoprotein Receptor and Protects Against Atherosclerosis. Circulation, 2022, 145, 675-687. | 1.6 | 22 |
| 7 | Synthesis of heterocyclic ring-fused analogs of HMG499 as novel degraders of HMG-CoA reductase that lower cholesterol. European Journal of Medicinal Chemistry, 2022, 236, 114323. | 2.6 | 11 |
| 8 | Lowering low-density lipoprotein cholesterol: from mechanisms to therapies. , 2022, 1, 25-38. | | 10 |
| 9 | SUMOylation of the ubiquitin ligase IDOL decreases LDL receptor levels and is reversed by SENP1. Journal of Biological Chemistry, 2021, 296, 100032. | 1.6 | 8 |
| 10 | POST1/C12ORF49 regulates the SREBP pathway by promoting site-1 protease maturation. Protein and Cell, 2021, 12, 279-296. | 4.8 | 31 |
| 11 | Deficiency of Histone Methyltransferase SET Domainâ€Containing 2 in Liver Leads to Abnormal Lipid Metabolism and HCC. Hepatology, 2021, 73, 1797-1815. | 3.6 | 31 |
| 12 | Hitching a ride to the top: peroxisomes fuel cilium with cholesterol. Science China Life Sciences, 2021, 64, 478-481. | 2.3 | 2 |
| 13 | The 3-beta-hydroxysteroid-Delta(8), Delta(7)-isomerase EBP inhibits cholesterylation of Smoothened. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 159041. | 1.2 | 7 |
| 14 | Peroxisomes in intracellular cholesterol transport: from basic physiology to brain pathology. , 2021, 1, . | | 3 |
| 15 | Mechanisms and regulation ofÂcholesterol homeostasis. Nature Reviews Molecular Cell Biology, 2020, 21, 225-245. | 16.1 | 899 |
| 16 | In Vivo AAV-CRISPR/Cas9â€“Mediated Gene Editing Ameliorates Atherosclerosis in Familial Hypercholesterolemia. Circulation, 2020, 141, 67-79. | 1.6 | 124 |
| 17 | Feeding induces cholesterol biosynthesis via the mTORC1â€“USP20â€“HMGCR axis. Nature, 2020, 588, 479-484. | 13.7 | 125 |
| 18 | Disruption of the ERLINâ€“TM6SF2â€“APOB complex destabilizes APOB and contributes to non-alcoholic fatty liver disease. PLoS Genetics, 2020, 16, e1008955. | 1.5 | 32 |

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|---|---|---|---|
| 19 | Hypercholesterolemia risk-associated GPR146 is an orphan G-protein coupled receptor that regulates blood cholesterol levels in humans and mice. Cell Research, 2020, 30, 363-365. | 5.7 | 12 |
| 20 | Cholesterol metabolism in cancer: mechanisms and therapeutic opportunities. Nature Metabolism, 2020, 2, 132-141. | 5.1 | 411 |
| 21 | Competitive oxidation and ubiquitylation on the evolutionarily conserved cysteine confer tissue-specific stabilization of Insig-2. Nature Communications, 2020, 11, 379. | 5.8 | 12 |
| 22 | Degradation versus Inhibition: Development of Proteolysis-Targeting Chimeras for Overcoming Statin-Induced Compensatory Upregulation of 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase. Journal of Medicinal Chemistry, 2020, 63, 4908-4928. | 2.9 | 38 |
| 23 | The interplay of Patched, Smoothened and cholesterol in Hedgehog signaling. Current Opinion in Cell Biology, 2019, 61, 31-38. | 2.6 | 48 |
| 24 | Schnyder corneal dystrophy-associated UBIAD1 mutations cause corneal cholesterol accumulation by stabilizing HMG-CoA reductase. PLoS Genetics, 2019, 15, e1008289. | 1.5 | 18 |
| 25 | The biogenesis of lipid droplets: Lipids take center stage. Progress in Lipid Research, 2019, 75, 100989. | 5.3 | 104 |
| 26 | IDOL G51S Variant Is Associated With High Blood Cholesterol and Increases Low-Density Lipoprotein Receptor Degradation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2468-2479. | 1.1 | 13 |
| 27 | Regulation of glucose and lipid metabolism in health and disease. Science China Life Sciences, 2019, 62, 1420-1458. | 2.3 | 134 |
| 28 | Endogenous sterol intermediates of the mevalonate pathway regulate HMGCR degradation and SREBP-2 processing. Journal of Lipid Research, 2019, 60, 1765-1775. | 2.0 | 62 |
| 29 | Myeloid Acat1/Soat1 KO attenuates pro-inflammatory responses in macrophages and protects against atherosclerosis in a model of advanced lesions. Journal of Biological Chemistry, 2019, 294, 15836-15849. | 1.6 | 20 |
| 30 | Cholesterol transport through the peroxisome-ER membrane contacts tethered by PI(4,5)P2 and extended synaptotagmins. Science China Life Sciences, 2019, 62, 1117-1135. | 2.3 | 64 |
| 31 | Gpnmb secreted from liver promotes lipogenesis in white adipose tissue and aggravates obesity and insulin resistance. Nature Metabolism, 2019, 1, 570-583. | 5.1 | 42 |
| 32 | Post-translational regulation of lipogenesis via AMPK-dependent phosphorylation of insulin-induced gene. Nature Communications, 2019, 10, 623. | 5.8 | 95 |
| 33 | Intracellular Cholesterol Transport by Sterol Transfer Proteins at Membrane Contact Sites. Trends in Biochemical Sciences, 2019, 44, 273-292. | 3.7 | 109 |
| 34 | Ring finger protein 145 (RNF145) is a ubiquitin ligase for sterol-induced degradation of HMG-CoA reductase. Journal of Biological Chemistry, 2018, 293, 4047-4055. | 1.6 | 59 |
| 35 | PIP4K2A regulates intracellular cholesterol transport through modulating PI(4,5)P2 homeostasis. Journal of Lipid Research, 2018, 59, 507-514. | 2.0 | 50 |
| 36 | Discovery of a potent HMG-CoA reductase degrader that eliminates statin-induced reductase accumulation and lowers cholesterol. Nature Communications, 2018, 9, 5138. | 5.8 | 112 |

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|---|---|---|---|
| 37 | Cholesterol Homeostatic Regulator SCAP-SREBP2 Integrates NLRP3 Inflammasome Activation and Cholesterol Biosynthetic Signaling in Macrophages. Immunity, 2018, 49, 842-856.e7. | 6.6 | 184 |
| 38 | The non-canonical NF-Î²B pathway promotes NPC2 expression and regulates intracellular cholesterol trafficking. Science China Life Sciences, 2018, 61, 1222-1232. | 2.3 | 11 |
| 39 | A LIMA1 variant promotes low plasma LDL cholesterol and decreases intestinal cholesterol absorption. Science, 2018, 360, 1087-1092. | 6.0 | 104 |
| 40 | AAV9-NPC1 significantly ameliorates Purkinje cell death and behavioral abnormalities in mouse NPC disease. Journal of Lipid Research, 2017, 58, 512-518. | 2.0 | 40 |
| 41 | Measurement of Cholesterol Transfer from Lysosome to Peroxisome Using an In Vitro Reconstitution Assay. Methods in Molecular Biology, 2017, 1583, 141-161. | 0.4 | 4 |
| 42 | Routes and mechanisms of postâ€endosomal cholesterol trafficking: A story that never ends. Traffic, 2017, 18, 209-217. | 1.3 | 91 |
| 43 | Cholesterol and fatty acids regulate cysteine ubiquitylation of ACAT2 through competitive oxidation. Nature Cell Biology, 2017, 19, 808-819. | 4.6 | 81 |
| 44 | Cholesterol Modification of Smoothened Is Required for Hedgehog Signaling. Molecular Cell, 2017, 66, 154-162.e10. | 4.5 | 169 |
| 45 | Inhibition of the sterol regulatory elementâ€binding protein pathway suppresses hepatocellular carcinoma by repressing inflammation in mice. Hepatology, 2017, 65, 1936-1947. | 3.6 | 57 |
| 46 | The GARP Complex Is Involved in Intracellular Cholesterol Transport via Targeting NPC2 to Lysosomes. Cell Reports, 2017, 19, 2823-2835. | 2.9 | 44 |
| 47 | Numb directs the subcellular localization of excitatory amino acid transporter type 3 through binding the YXNXXF motif. Journal of Cell Science, 2016, 129, 3104-14. | 1.2 | 8 |
| 48 | Identification and characterization of NPC1L1 variants in Uygur and Kazakh with extreme low-density lipoprotein cholesterol. Biochemical and Biophysical Research Communications, 2016, 479, 628-635. | 1.0 | 2 |
| 49 | Genome editing with CRISPR/Cas9 in postnatal mice corrects PRKAG2 cardiac syndrome. Cell Research, 2016, 26, 1099-1111. | 5.7 | 101 |
| 50 | Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. Nature, 2016, 531, 651-655. | 13.7 | 648 |
| 51 | Identification of Cholesterol 25-Hydroxylase as a Novel Host Restriction Factor and a Part of the Primary Innate Immune Responses against Hepatitis C Virus Infection. Journal of Virology, 2015, 89, 6805-6816. | 1.5 | 76 |
| 52 | Cholesterol Transport through Lysosome-Peroxisome Membrane Contacts. Cell, 2015, 161, 291-306. | 13.5 | 314 |
| 53 | PAQR3 modulates cholesterol homeostasis by anchoring Scap/SREBP complex to the Golgi apparatus. Nature Communications, 2015, 6, 8100. | 5.8 | 68 |
| 54 | Acyl-CoA:cholesterol acyltransferases (ACATs/SOATs): Enzymes with multiple sterols as substrates and as activators. Journal of Steroid Biochemistry and Molecular Biology, 2015, 151, 102-107. | 1.2 | 123 |

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|---|---|---|---|
| 55 | Forward Genetic Screening for Regulators Involved in Cholesterol Synthesis Using Validation-Based Insertional Mutagenesis. PLoS ONE, 2014, 9, e112632. | 1.1 | 6 |
| 56 | Ubiquitin Ligases in Cholesterol Metabolism. Diabetes and Metabolism Journal, 2014, 38, 171. | 1.8 | 16 |
| 57 | The Clathrin Adaptor Proteins ARH, Dab2, and Numb Play Distinct Roles in Niemann-Pick C1-Like 1 Versus Low Density Lipoprotein Receptor-mediated Cholesterol Uptake. Journal of Biological Chemistry, 2014, 289, 33689-33700. | 1.6 | 30 |
| 58 | The clathrin adaptor Numb regulates intestinal cholesterol absorption through dynamic interaction with NPC1L1. Nature Medicine, 2014, 20, 80-86. | 15.2 | 77 |
| 59 | SREBP: a novel therapeutic target. Acta Biochimica Et Biophysica Sinica, 2013, 45, 2-10. | 0.9 | 110 |
| 60 | Myosin Vb controls biogenesis of post-Golgi Rab10 carriers during axon development. Nature Communications, 2013, 4, 2005. | 5.8 | 63 |
| 61 | Production of ACAT1 56-kDa isoform in human cells via trans-splicing involving the ampicillin resistance gene. Cell Research, 2013, 23, 1007-1024. | 5.7 | 13 |
| 62 | A specific cholesterol metabolic pathway is established in a subset of HCCs for tumor growth. Journal of Molecular Cell Biology, 2013, 5, 404-415. | 1.5 | 54 |
| 63 | A special issue on 'Metabolism'. Acta Biochimica Et Biophysica Sinica, 2013, 45, 1-1. | 0.9 | 1 |
| 64 | Niemannâ€“Pick C1-Like 1 and cholesterol uptake. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 964-972. | 1.2 | 69 |
| 65 | Ablation of gp78 in Liver Improves Hyperlipidemia and Insulin Resistance by Inhibiting SREBP to Decrease Lipid Biosynthesis. Cell Metabolism, 2012, 16, 213-225. | 7.2 | 111 |
| 66 | Inhibition of SREBP by a Small Molecule, Betulin, Improves Hyperlipidemia and Insulin Resistance and Reduces Atherosclerotic Plaques. Cell Metabolism, 2011, 13, 44-56. | 7.2 | 320 |
| 67 | Flotillins play an essential role in Niemann-Pick C1-like 1-mediated cholesterol uptake. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 551-556. | 3.3 | 137 |
| 68 | The Small GTPase Cdc42 Interacts with Niemann-Pick C1-like 1 (NPC1L1) and Controls Its Movement from Endocytic Recycling Compartment to Plasma Membrane in a Cholesterol-dependent Manner. Journal of Biological Chemistry, 2011, 286, 35933-35942. | 1.6 | 33 |
| 69 | The N-terminal Domain of NPC1L1 Protein Binds Cholesterol and Plays Essential Roles in Cholesterol Uptake. Journal of Biological Chemistry, 2011, 286, 25088-25097. | 1.6 | 93 |
| 70 | Molecular Characterization of the NPC1L1 Variants Identified from Cholesterol Low Absorbers. Journal of Biological Chemistry, 2011, 286, 7397-7408. | 1.6 | 58 |
| 71 | Membrane topology of human NPC1L1, a key protein in enterohepatic cholesterol absorption. Journal of Lipid Research, 2009, 50, 1653-1662. | 2.0 | 60 |
| 72 | Requirement of Myosin VbÂ·Rab11aÂ·Rab11-FIP2 Complex in Cholesterol-regulated Translocation of NPC1L1 to the Cell Surface. Journal of Biological Chemistry, 2009, 284, 22481-22490. | 1.6 | 56 |

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|---|---|---|---|
| 73 | TNF-alpha stimulates the ACAT1 expression in differentiating monocytes to promote the CE-laden cell formation. Journal of Lipid Research, 2009, 50, 1057-1067. | 2.0 | 55 |
| 74 | RNA secondary structures located in the interchromosomal region of human ACAT1 chimeric mRNA are required to produce the 56-kDa isoform. Cell Research, 2008, 18, 921-936. | 5.7 | 14 |
| 75 | The Cholesterol Absorption Inhibitor Ezetimibe Acts by Blocking the Sterol-Induced Internalization of NPC1L1. Cell Metabolism, 2008, 7, 508-519. | 7.2 | 295 |
| 76 | Dissecting NPC1L1-mediated cholesterol absorption. Future Lipidology, 2008, 3, 481-484. | 0.5 | 0 |
| 77 | Tocotrienols and the Regulation of Cholesterol Biosynthesis. , 2008, , 237-256. | | 0 |
| 78 | Ufd1 Is a Cofactor of gp78 and Plays a Key Role in Cholesterol Metabolism by Regulating the Stability of HMG-CoA Reductase. Cell Metabolism, 2007, 6, 115-128. | 7.2 | 82 |
| 79 | Human acyl-CoA:cholesterol acyltransferase 2 gene expression in intestinal Caco-2 cells and in hepatocellular carcinoma. Biochemical Journal, 2006, 394, 617-626. | 1.7 | 51 |
| 80 | Insig-dependent Ubiquitination and Degradation of 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase Stimulated by Î´- and Î³-Tocotrienols. Journal of Biological Chemistry, 2006, 281, 25054-25061. | 1.6 | 157 |
| 81 | Two Human ACAT2 mRNA Variants Produced by Alternative Splicing and Coding for Novel Isoenzymes. Acta Biochimica Et Biophysica Sinica, 2005, 37, 797-806. | 0.9 | 2 |
| 82 | Gp78, a Membrane-Anchored Ubiquitin Ligase, Associates with Insig-1 and Couples Sterol-Regulated Ubiquitination to Degradation of HMG CoA Reductase. Molecular Cell, 2005, 19, 829-840. | 4.5 | 317 |
| 83 | Insig-mediated degradation of HMG CoA reductase stimulated by lanosterol, an intermediate in the synthesis of cholesterol. Cell Metabolism, 2005, 1, 179-189. | 7.2 | 236 |
| 84 | Isolation of Mutant Cells Lacking Insig-1 through Selection with SR-12813, an Agent That Stimulates Degradation of 3-Hydroxy-3-methylglutaryl-Coenzyme A Reductase. Journal of Biological Chemistry, 2004, 279, 43136-43147. | 1.6 | 51 |
| 85 | Ubiquitination of 3-Hydroxy-3-methylglutaryl-CoA Reductase in Permeabilized Cells Mediated by Cytosolic E1 and a Putative Membrane-bound Ubiquitin Ligase. Journal of Biological Chemistry, 2004, 279, 28798-28806. | 1.6 | 68 |
| 86 | Insig-dependent Ubiquitination and Degradation of Mammalian 3-Hydroxy-3-methylglutaryl-CoA Reductase Stimulated by Sterols and Geranylgeraniol. Journal of Biological Chemistry, 2003, 278, 52479-52490. | 1.6 | 254 |
| 87 | Preparation of an anti-Cdx-2 antibody for analysis of different species Cdx-2 binding to acat2 promoter. Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao Acta Biochimica Et Biophysica Sinica, 2003, 35, 6-12. | 0.1 | 1 |
| 88 | Organization of Human ACAT-2 Gene and Its Cell-Type-Specific Promoter Activity. Biochemical and Biophysical Research Communications, 2001, 282, 580-588. | 1.0 | 25 |