Bao-Liang Song

List of Publications by Year
in descending order

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88 papers	7,959 citations	47006 47 h-index	53230 85 g-index
92 all docs	92 docs citations	92 times ranked	9785 citing authors

#	Article	IF	Citations
1	Analysis of Protein Cholesterylation by Biorthogonal Labeling. Methods in Molecular Biology, 2022, 2374, 27-36.	0.9	4
2	Sparse deconvolution improves the resolution of live-cell super-resolution fluorescence microscopy. Nature Biotechnology, 2022, 40, 606-617.	17.5	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.	7.3	24
4	Cholesterylation of Smoothened is a calcium-accelerated autoreaction involving an intramolecular ester intermediate. Cell Research, 2022, 32, 288-301.	12.0	18
5	Induction of senescence-associated secretory phenotype underlies the therapeutic efficacy of PRC2 inhibition in cancer. Cell Death and Disease, 2022, 13, 155.	6.3	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.	5.5	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.	3.4	8
10	POST1/C12ORF49 regulates the SREBP pathway by promoting site-1 protease maturation. Protein and Cell, 2021, 12, 279-296.	11.0	31
11	Deficiency of Histone Methyltransferase SET Domainâ€Containing 2 in Liver Leads to Abnormal Lipid Metabolism and HCC. Hepatology, 2021, 73, 1797-1815.	7.3	31
12	Hitching a ride to the top: peroxisomes fuel cilium with cholesterol. Science China Life Sciences, 2021, 64, 478-481.	4.9	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.	2.4	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.	37.0	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.	27.8	125
18	Disruption of the ERLINâ€“TM6SF2â€“APOB complex destabilizes APOB and contributes to non-alcoholic fatty liver disease. PLoS Genetics, 2020, 16, e1008955.	3.5	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.	12.0	12
20	Cholesterol metabolism in cancer: mechanisms and therapeutic opportunities. Nature Metabolism, 2020, 2, 132-141.	11.9	411
21	Competitive oxidation and ubiquitylation on the evolutionarily conserved cysteine confer tissue-specific stabilization of Insig-2. Nature Communications, 2020, 11, 379.	12.8	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.	6.4	38
23	The interplay of Patched, Smoothened and cholesterol in Hedgehog signaling. Current Opinion in Cell Biology, 2019, 61, 31-38.	5.4	48
24	Schnyder corneal dystrophy-associated UBIAD1 mutations cause corneal cholesterol accumulation by stabilizing HMG-CoA reductase. PLoS Genetics, 2019, 15, e1008289.	3.5	18
25	The biogenesis of lipid droplets: Lipids take center stage. Progress in Lipid Research, 2019, 75, 100989.	11.6	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.	2.4	13
27	Regulation of glucose and lipid metabolism in health and disease. Science China Life Sciences, 2019, 62, 1420-1458.	4.9	134
28	Endogenous sterol intermediates of the mevalonate pathway regulate HMGCR degradation and SREBP-2 processing. Journal of Lipid Research, 2019, 60, 1765-1775.	4.2	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.	3.4	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.	4.9	64
31	Gpnmb secreted from liver promotes lipogenesis in white adipose tissue and aggravates obesity and insulin resistance. Nature Metabolism, 2019, 1, 570-583.	11.9	42
32	Post-translational regulation of lipogenesis via AMPK-dependent phosphorylation of insulin-induced gene. Nature Communications, 2019, 10, 623.	12.8	95
33	Intracellular Cholesterol Transport by Sterol Transfer Proteins at Membrane Contact Sites. Trends in Biochemical Sciences, 2019, 44, 273-292.	7.5	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.	3.4	59
35	PIP4K2A regulates intracellular cholesterol transport through modulating PI(4,5)P2 homeostasis. Journal of Lipid Research, 2018, 59, 507-514.	4.2	50
36	Discovery of a potent HMG-CoA reductase degrader that eliminates statin-induced reductase accumulation and lowers cholesterol. Nature Communications, 2018, 9, 5138.	12.8	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.	14.3	184
38	The non-canonical NF-Î²B pathway promotes NPC2 expression and regulates intracellular cholesterol trafficking. Science China Life Sciences, 2018, 61, 1222-1232.	4.9	11
39	A LIMA1 variant promotes low plasma LDL cholesterol and decreases intestinal cholesterol absorption. Science, 2018, 360, 1087-1092.	12.6	104
40	AAV9-NPC1 significantly ameliorates Purkinje cell death and behavioral abnormalities in mouse NPC disease. Journal of Lipid Research, 2017, 58, 512-518.	4.2	40
41	Measurement of Cholesterol Transfer from Lysosome to Peroxisome Using an In Vitro Reconstitution Assay. Methods in Molecular Biology, 2017, 1583, 141-161.	0.9	4
42	Routes and mechanisms of postâ€endosomal cholesterol trafficking: A story that never ends. Traffic, 2017, 18, 209-217.	2.7	91
43	Cholesterol and fatty acids regulate cysteine ubiquitylation of ACAT2 through competitive oxidation. Nature Cell Biology, 2017, 19, 808-819.	10.3	81
44	Cholesterol Modification of Smoothened Is Required for Hedgehog Signaling. Molecular Cell, 2017, 66, 154-162.e10.	9.7	169
45	Inhibition of the sterol regulatory elementâ€binding protein pathway suppresses hepatocellular carcinoma by repressing inflammation in mice. Hepatology, 2017, 65, 1936-1947.	7.3	57
46	The GARP Complex Is Involved in Intracellular Cholesterol Transport via Targeting NPC2 to Lysosomes. Cell Reports, 2017, 19, 2823-2835.	6.4	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.	2.0	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.	2.1	2
49	Genome editing with CRISPR/Cas9 in postnatal mice corrects PRKAG2 cardiac syndrome. Cell Research, 2016, 26, 1099-1111.	12.0	101
50	Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. Nature, 2016, 531, 651-655.	27.8	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.	3.4	76
52	Cholesterol Transport through Lysosome-Peroxisome Membrane Contacts. Cell, 2015, 161, 291-306.	28.9	314
53	PAQR3 modulates cholesterol homeostasis by anchoring Scap/SREBP complex to the Golgi apparatus. Nature Communications, 2015, 6, 8100.	12.8	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.	2.5	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.	2.5	6
56	Ubiquitin Ligases in Cholesterol Metabolism. Diabetes and Metabolism Journal, 2014, 38, 171.	4.7	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.	3.4	30
58	The clathrin adaptor Numb regulates intestinal cholesterol absorption through dynamic interaction with NPC1L1. Nature Medicine, 2014, 20, 80-86.	30.7	77
59	SREBP: a novel therapeutic target. Acta Biochimica Et Biophysica Sinica, 2013, 45, 2-10.	2.0	110
60	Myosin Vb controls biogenesis of post-Golgi Rab10 carriers during axon development. Nature Communications, 2013, 4, 2005.	12.8	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.	12.0	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.	3.3	54
63	A special issue on 'Metabolism'. Acta Biochimica Et Biophysica Sinica, 2013, 45, 1-1.	2.0	1
64	Niemannâ€“Pick C1-Like 1 and cholesterol uptake. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 964-972.	2.4	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.	16.2	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.	16.2	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.	7.1	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.	3.4	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.	3.4	93
70	Molecular Characterization of the NPC1L1 Variants Identified from Cholesterol Low Absorbers. Journal of Biological Chemistry, 2011, 286, 7397-7408.	3.4	58
71	Membrane topology of human NPC1L1, a key protein in enterohepatic cholesterol absorption. Journal of Lipid Research, 2009, 50, 1653-1662.	4.2	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.	3.4	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.	4.2	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.	12.0	14
75	The Cholesterol Absorption Inhibitor Ezetimibe Acts by Blocking the Sterol-Induced Internalization of NPC1L1. Cell Metabolism, 2008, 7, 508-519.	16.2	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.	16.2	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.	3.7	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.	3.4	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.	2.0	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.	9.7	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.	16.2	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.	3.4	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.	3.4	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.	3.4	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.	2.1	25