Bernardo L Trigatti

List of Publications by Year
in descending order

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65 papers	5,213 citations	136950 32 h-index	106344 65 g-index
66 all docs	66 docs citations	66 times ranked	4411 citing authors

#	Article	IF	Citations
1	A targeted mutation in the murine gene encoding the high density lipoprotein (HDL) receptor scavenger receptor class B type I reveals its key role in HDL metabolism. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12610-12615.	7.1	797
2	Influence of the high density lipoprotein receptor SR-BI on reproductive and cardiovascular pathophysiology. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9322-9327.	7.1	475
3	Loss of SR-BI Expression Leads to the Early Onset of Occlusive Atherosclerotic Coronary Artery Disease, Spontaneous Myocardial Infarctions, Severe Cardiac Dysfunction, and Premature Death in Apolipoprotein Eâ€“Deficient Mice. Circulation Research, 2002, 90, 270-276.	4.5	461
4	Murine SR-BI, a High Density Lipoprotein Receptor That Mediates Selective Lipid Uptake, Is N-Glycosylated and Fatty Acylated and Colocalizes with Plasma Membrane Caveolae. Journal of Biological Chemistry, 1997, 272, 13242-13249.	3.4	330
5	Scavenger receptor class B, type I (SR-BI) is the major route for the delivery of high density lipoprotein cholesterol to the steroidogenic pathway in cultured mouse adrenocortical cells. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13600-13605.	7.1	234
6	Influence of the HDL Receptor SR-BI on Lipoprotein Metabolism and Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1732-1738.	2.4	229
7	Scavenger Receptor Class B Type Iâ€“Mediated Protection Against Atherosclerosis in LDL Receptorâ€“Negative Mice Involves Its Expression in Bone Marrowâ€“Derived Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1589-1594.	2.4	205
8	The Efficient Cellular Uptake of High Density Lipoprotein Lipids via Scavenger Receptor Class B Type I Requires Not Only Receptor-mediated Surface Binding but Also Receptor-specific Lipid Transfer Mediated by Its Extracellular Domain. Journal of Biological Chemistry, 1998, 273, 26338-26348.	3.4	198
9	Identification of Caveolin-1 as a Fatty Acid Binding Protein. Biochemical and Biophysical Research Communications, 1999, 255, 34-39.	2.1	193
10	Scavenger receptor BI - a cell surface receptor for high density lipoprotein. Current Opinion in Lipidology, 1997, 8, 181-188.	2.7	185
11	The role of the high-density lipoprotein receptor SR-BI in cholesterol metabolism. Current Opinion in Lipidology, 2000, 11, 123-131.	2.7	172
12	Failure of red blood cell maturation in mice with defects in the high-density lipoprotein receptor SR-BI. Blood, 2002, 99, 1817-1824.	1.4	115
13	Failure of red blood cell maturation in mice with defects in the high-density lipoprotein receptor SR-BI. Blood, 2002, 99, 1817-1824.	1.4	111
14	Interleukinâ€•15 Contributes to the Regulation of Murine Adipose Tissue and Human Adipocytes. Obesity, 2010, 18, 1601-1607.	3.0	95
15	Modifications in Perfringolysin O Domain 4 Alter the Cholesterol Concentration Threshold Required for Binding. Biochemistry, 2012, 51, 3373-3382.	2.5	82
16	A Single Point Mutation in Ïµ-COP Results in Temperature-sensitive, Lethal Defects in Membrane Transport in a Chinese Hamster Ovary Cell Mutant. Journal of Biological Chemistry, 1996, 271, 11191-11196.	3.4	67
17	Cellular and physiological roles of SR-BI, a lipoprotein receptor which mediates selective lipid uptake. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1529, 276-286.	2.4	60
18	A role for the scavenger receptor, class B type I in high density lipoprotein dependent activation of cellular signaling pathways. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 1239-1248.	2.4	55

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19	The effect of pomegranate extract on coronary artery atherosclerosis in SR-BI/APOE double knockout mice. Atherosclerosis, 2013, 228, 80-89.	0.8	54
20	The Effects of Diet on Occlusive Coronary Artery Atherosclerosis and Myocardial Infarction in Scavenger Receptor Class B, Type 1/Low-Density Lipoprotein Receptor Double Knockout Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2394-2403.	2.4	52
21	Low-density lipoprotein (LDL)-dependent uptake of Gram-positive lipoteichoic acid and Gram-negative lipopolysaccharide occurs through LDL receptor. Scientific Reports, 2018, 8, 10496.	3.3	47
22	Liver X Receptor Stimulates Cholesterol Efflux and Inhibits Expression of Proinflammatory Mediators in Human Airway Smooth Muscle Cells. Molecular Endocrinology, 2007, 21, 1324-1334.	3.7	46
23	Hyperhomocysteinemia induced by methionine supplementation does not independently cause atherosclerosis in C57BL/6J mice. FASEB Journal, 2008, 22, 2569-2578.	0.5	44
24	Deletion of tumor necrosis factor-Î± ameliorates neurodegeneration in Sandhoff disease mice. Human Molecular Genetics, 2013, 22, 3960-3975.	2.9	43
25	High Density Lipoprotein Stimulated Migration of Macrophages Depends on the Scavenger Receptor Class B, Type I, PDZK1 and Akt1 and Is Blocked by Sphingosine 1 Phosphate Receptor Antagonists. PLoS ONE, 2014, 9, e106487.	2.5	43
26	Sialidase down-regulation reduces non-HDL cholesterol, inhibits leukocyte transmigration, and attenuates atherosclerosis in ApoE knockout mice. Journal of Biological Chemistry, 2018, 293, 14689-14706.	3.4	42
27	Hepatic Lipase Deficiency Delays Atherosclerosis, Myocardial Infarction, and Cardiac Dysfunction and Extends Lifespan in SR-BI/Apolipoprotein E Double Knockout Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 548-554.	2.4	37
28	Hypomorphic sialidase expression decreases serum cholesterol by downregulation of VLDL production in mice. Journal of Lipid Research, 2012, 53, 2573-2585.	4.2	37
29	Identification of high affinity membrane-bound fatty acid-binding proteins using a photoreactive fatty acid. Molecular and Cellular Biochemistry, 1993, 123, 39-44.	3.1	35
30	The effect of intracellular pH on long-chain fatty acid uptake in 3T3-L1 adipocytes: evidence that uptake involves the passive diffusion of protonated long-chain fatty acids across the plasma membrane. Biochemical Journal, 1996, 313, 487-494.	3.7	35
31	Scavenger receptor class B type I in high-density lipoprotein metabolism, atherosclerosis and heart disease: lessons from gene-targeted mice. Biochemical Society Transactions, 2004, 32, 116-120.	3.4	34
32	Conversion of Low Density Lipoprotein-associated Phosphatidylcholine to Triacylglycerol by Primary Hepatocytes. Journal of Biological Chemistry, 2008, 283, 6449-6458.	3.4	33
33	Enhanced Cellular Uptake of Remnant High-Density Lipoprotein Particles. Circulation Research, 2008, 103, 159-166.	4.5	32
34	Interleukin-15 Modulates Adipose Tissue by Altering Mitochondrial Mass and Activity. PLoS ONE, 2014, 9, e114799.	2.5	31
35	SR-B1 and PDZK1. Current Opinion in Lipidology, 2017, 28, 201-208.	2.7	30
36	Regulation of SR-BI-mediated selective lipid uptake in Chinese hamster ovary-derived cells by protein kinase signaling pathways. Journal of Lipid Research, 2007, 48, 405-416.	4.2	28

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37	Characterization of Proliferating Lesionâ€Resident Cells During All Stages of Atherosclerotic Growth. Journal of the American Heart Association, 2016, 5, .	3.7	28
38	Deficiency of TDAG51 Protects Against Atherosclerosis by Modulating Apoptosis, Cholesterol Efflux, and Peroxiredoxinâ€1 Expression. Journal of the American Heart Association, 2013, 2, e000134.	3.7	27
39	High-density lipoprotein protects cardiomyocytes against necrosis induced by oxygen and glucose deprivation through SR-B1, PI3K, and AKT1 and 2. Biochemical Journal, 2018, 475, 1253-1265.	3.7	26
40	Membrane permeation and intracellular trafficking of long chain fatty acids: insights from<i>Escherichia coli</i>and 3T3-L1 adipocytes. Biochemistry and Cell Biology, 1995, 73, 223-234.	2.0	24
41	SR-BI in Bone Marrow Derived Cells Protects Mice from Diet Induced Coronary Artery Atherosclerosis and Myocardial Infarction. PLoS ONE, 2013, 8, e72492.	2.5	24
42	Characterization of mice harboring a variant of EPCR with impaired ability to bind protein C: novel role of EPCR in hematopoiesis. Blood, 2015, 126, 673-682.	1.4	24
43	Rosuvastatin Reduces Aortic Sinus and Coronary Artery Atherosclerosis in SR-B1 (Scavenger Receptor) Tj ETQq1 1 0.784314 rgBT /Ov Lowering. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 26-39.	2.4	24
44	Sphingosine-1-Phosphate Receptor 1, Expressed in Myeloid Cells, Slows Diet-Induced Atherosclerosis and Protects against Macrophage Apoptosis in Ldlr KO Mice. International Journal of Molecular Sciences, 2017, 18, 2721.	4.1	22
45	The inhibition of endocytosis affects HDL-lipid uptake mediated by the human scavenger receptor class B type I. Molecular Membrane Biology, 2007, 24, 442-454.	2.0	21
46	Good Cholesterol Gone Bad? HDL and COVID-19. International Journal of Molecular Sciences, 2021, 22, 10182.	4.1	20
47	Biochemical Demonstration of the Involvement of Fatty Acyl-CoA Synthetase in Fatty Acid Translocation across the Plasma Membrane. Journal of Biological Chemistry, 2004, 279, 24163-24170.	3.4	19
48	Cholesterol depletion inhibits fatty acid uptake without affecting CD36 or caveolin-1 distribution in adipocytes. Biochemical and Biophysical Research Communications, 2007, 355, 67-71.	2.1	19
49	HDL protects against doxorubicin-induced cardiotoxicity in a scavenger receptor class B type 1-, PI3K-, and Akt-dependent manner. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H31-H44.	3.2	18
50	Treatment with apolipoprotein A1 protects mice against doxorubicin-induced cardiotoxicity in a scavenger receptor class B, type I-dependent manner. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1447-H1457.	3.2	17
51	HDL signaling and protection against coronary artery atherosclerosisin mice. Journal of Biomedical Research, 2016, 30, 94-100.	1.6	16
52	Fatty acid uptake in Candida tropicalis: induction of a saturable process. Biochemistry and Cell Biology, 1992, 70, 76-80.	2.0	14
53	Hepatic high-density lipoprotein receptors: Roles in lipoprotein metabolism and potential for therapeutic modulation. Current Atherosclerosis Reports, 2005, 7, 344-350.	4.8	12
54	Hyperglycemia Aggravates Diet-Induced Coronary Artery Disease and Myocardial Infarction in SR-B1-Knockout/ApoE-Hypomorphic Mice. Frontiers in Physiology, 2018, 9, 1398.	2.8	12

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55	Rare Genetic Variants and High-Density Lipoprotein. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, e53-5.	2.4	11
56	A point mutation in the neu1 promoter recruits an ectopic repressor, Nkx3.2 and results in a mouse model of sialidase deficiency. Molecular Genetics and Metabolism, 2009, 97, 43-52.	1.1	10
57	Modulators of Protein Kinase C Affect SR-BI-Dependent HDL Lipid Uptake in Transfected HepG2 Cells. Cholesterol, 2011, 2011, 1-11.	1.6	10
58	Myocardial Infarction Following Atherosclerosis in Murine Models. Current Drug Targets, 2008, 9, 217-223.	2.1	9
59	PDZK1 in leukocytes protects against cellular apoptosis and necrotic core development in atherosclerotic plaques in high fat diet fed ldl receptor deficient mice. Atherosclerosis, 2018, 276, 171-181.	0.8	9
60	Salsalate reduces atherosclerosis through AMPKÎ²1 in mice. Molecular Metabolism, 2021, 53, 101321.	6.5	8
61	High Density Lipoprotein and Its Precursor Protein Apolipoprotein A1 as Potential Therapeutics to Prevent Anthracycline Associated Cardiotoxicity. Frontiers in Cardiovascular Medicine, 2020, 7, 65.	2.4	5
62	Suppression of NK and CD8+ T cells reduces astrogliosis but accelerates cerebellar dysfunction and shortens life span in a mouse model of Sandhoff disease. Journal of Neuroimmunology, 2017, 306, 55-67.	2.3	4
63	Data on leukocyte PDZK1 deficiency affecting macrophage apoptosis but not monocyte recruitment, cell proliferation, macrophage abundance or ER stress in atherosclerotic plaques of LDLR deficient mice. Data in Brief, 2018, 19, 1148-1161.	1.0	3
64	Un-JAMming atherosclerotic arteries: JAM-L as a target to attenuate plaque development. Clinical Science, 2019, 133, 1581-1585.	4.3	3
65	Pcpe2: A New Partner for the Scavenger Receptor Class B Type I in High-Density Lipoprotein Selective Lipid Uptake. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2726-2729.	2.4	0