Leonard Kritharides

List of Publications by Year
in descending order

46 papers	3,139 citations	201385 27 h-index	243296 44 g-index
46 all docs	46 docs citations	46 times ranked	4252 citing authors

#	Article	IF	Citations
1	Visualizing lipid structure and raft domains in living cells with two-photon microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15554-15559.	3.3	486
2	ABCA1 and ABCG1 Synergize to Mediate Cholesterol Export to ApoA-I. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 534-540.	1.1	375
3	HDL Particle Size Is a Critical Determinant of ABCA1-Mediated Macrophage Cellular Cholesterol Export. Circulation Research, 2015, 116, 1133-1142.	2.0	240
4	Roles of ATP binding cassette transporters A1 and G1, scavenger receptor BI and membrane lipid domains in cholesterol export from macrophages. Current Opinion in Lipidology, 2006, 17, 247-257.	1.2	224
5	Sterol Efflux Is Impaired from Macrophage Foam Cells Selectively Enriched with 7-Ketocholesterol. Journal of Biological Chemistry, 1996, 271, 17852-17860.	1.6	118
6	Three-dimensional and two-dimensional quantitative coronary angiography, and their prediction of reduced fractional flow reserve. European Heart Journal, 2011, 32, 345-353.	1.0	115
7	The use of antioxidant supplements in coronary heart disease. Atherosclerosis, 2002, 164, 211-219.	0.4	109
8	Pathologic shear triggers shedding of vascular receptors: a novel mechanism for down-regulation of platelet glycoprotein VI in stenosed coronary vessels. Blood, 2012, 119, 4311-4320.	0.6	101
9	Coexistence of Foam Cells and Hypocholesterolemia in Mice Lacking the ABC Transporters A1 and G1. Circulation Research, 2008, 102, 113-120.	2.0	100
10	Domain-specific lipid distribution in macrophage plasma membranes. Journal of Lipid Research, 2005, 46, 1526-1538.	2.0	96
11	Apolipoprotein Aâ€1 interaction with plasma membrane lipid rafts controls cholesterol export from macrophages. FASEB Journal, 2004, 18, 574-576.	0.2	95
12	Apolipoprotein A-Iâ€"Mediated Efflux of Sterols From Oxidized LDLâ€"Loaded Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 15, 276-289.	1.1	92
13	Cholesterol and oxysterol metabolism and subcellular distribution in macrophage foam cells: accumulation of oxidized esters in lysosomes. Journal of Lipid Research, 2000, 41, 226-236.	2.0	91
14	Regulation of Endogenous Apolipoprotein E Secretion by Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1060-1067.	1.1	69
15	Cellular Cholesterol Regulates Ubiquitination and Degradation of the Cholesterol Export Proteins ABCA1 and ABCG1. Journal of Biological Chemistry, 2014, 289, 7524-7536.	1.6	62
16	Metabolism of oxidized LDL by macrophages. Current Opinion in Lipidology, 2000, 11, 473-481.	1.2	61
17	Apolipoprotein A-I Stimulates Secretion of Apolipoprotein E by Foam Cell Macrophages. Journal of Biological Chemistry, 1999, 274, 27925-27933.	1.6	60
18	Hydroxypropyl-Î²-cyclodextrin-mediated Efflux of 7-Ketocholesterol from Macrophage Foam Cells. Journal of Biological Chemistry, 1996, 271, 27450-27455.	1.6	59

#	Article	IF	Citations
19	The Index of Microcirculatory Resistance Predicts Myocardial Infarction Related to Percutaneous Coronary Intervention. Circulation: Cardiovascular Interventions, 2012, 5, 515-522.	1.4	58
20	Cholesterol efflux capacity: An introduction for clinicians. American Heart Journal, 2016, 180, 54-63.	1.2	50
21	Cyclosporin A and atherosclerosis â€" Cellular pathways in atherogenesis. , 2010, 128, 106-118.		45
22	Inhibition of Cholesterol Efflux by 7-Ketocholesterol:Â Comparison between Cells, Plasma Membrane Vesicles, and Liposomes as Cholesterol Donorsâ€. Biochemistry, 2001, 40, 13002-13014.	1.2	42
23	Apolipoprotein A-I-stimulated Apolipoprotein E Secretion from Human Macrophages Is Independent of Cholesterol Efflux. Journal of Biological Chemistry, 2004, 279, 25966-25977.	1.6	40
24	A Kinetic Model to Evaluate Cholesterol Efflux from THP-1 Macrophages to Apolipoprotein A-1. Biochemistry, 2001, 40, 9363-9373.	1.2	37
25	Short-term cooling increases serum triglycerides and small high-density lipoprotein levels in humans. Journal of Clinical Lipidology, 2017, 11, 920-928.e2.	0.6	37
26	Flow recirculation zone length and shear rate are differentially affected by stenosis severity in human coronary arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H559-H566.	1.5	36
27	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. IScience, 2019, 12, 41-52.	1.9	33
28	Expression and stability of two isoforms of ABCG1 in human vascular cells. Atherosclerosis, 2010, 208, 75-82.	0.4	29
29	Cyclosporin A Decreases Apolipoprotein E Secretion from Human Macrophages via a Protein Phosphatase 2B-dependent and ATP-binding Cassette Transporter A1 (ABCA1)-independent Pathway. Journal of Biological Chemistry, 2009, 284, 24144-24154.	1.6	23
30	Haemodynamic assessment of human coronary arteries is affected by degree of freedom of artery movement. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 260-272.	0.9	23
31	A critical appraisal of the measurement of serum â€˜cholesterol efflux capacityâ€™ and its use as surrogate marker of risk of cardiovascular disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1257-1273.	1.2	18
32	Human macrophage cathepsin Î²â€‘mediated Câ€‘terminal cleavage of apolipoprotein Î±â€‘I at Ser²²⁸severely impairs antiatherogenic capacity. FASEB Journal, 2016, 30, 4239-4255.	0.2	17
33	Protein kinase A modulates the activity of a major human isoform of ABCG1. Journal of Lipid Research, 2012, 53, 2133-2140.	2.0	16
34	The relationship between coronary artery distensibility and fractional flow reserve. PLoS ONE, 2017, 12, e0181824.	1.1	16
35	Edta Differentially and Incompletely Inhibits Components of Prolonged Cell-Mediated Oxidation of Low-Density Lipoprotein. Free Radical Research, 1995, 22, 399-417.	1.5	14
36	Intracoronary upregulation of platelet extracellular matrix metalloproteinase inducer (CD147) in coronary disease. International Journal of Cardiology, 2013, 166, 716-721.	0.8	11

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37	The relationship between coronary lesion characteristics and pathologic shear in human coronary arteries. Clinical Biomechanics, 2018, 60, 177-184.	0.5	8
38	Moderateâ€•and Highâ€Intensity Exercise Improves Lipoprotein Profile and Cholesterol Efflux Capacity in Healthy Young Men. Journal of the American Heart Association, 2022, 11, .	1.6	8
39	Effects of CSF-1 on Cholesterol Accumulation and Efflux by Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 18-25.	1.1	7
40	Remote ischemic preconditioning inhibits platelet Î±IIbÎ²3 activation in coronary artery disease patients receiving dual antiplatelet therapy: A randomized trial. Journal of Thrombosis and Haemostasis, 2020, 18, 1221-1232.	1.9	5
41	Increased ABCA1 (ATP-Binding Cassette Transporter A1)-Specific Cholesterol Efflux Capacity in Schizophrenia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2728-2737.	1.1	4
42	Lipid metabolism: recent progress in defining the contributions of cholesterol transporters to cholesterol efflux in vitro and in vivo. Current Opinion in Lipidology, 2008, 19, 212-214.	1.2	3
43	Fractional Flow Reserve and Instantaneous Waveâ€Free Ratio Predict Pathological Wall Shear Stress in Coronary Arteries: Implications for Understanding the Pathophysiological Impact of Functionally Significant Coronary Stenoses. Journal of the American Heart Association, 2022, 11, e023502.	1.6	3
44	Effects of pre-eclampsia on HDL-mediated cholesterol efflux capacity after pregnancy. Atherosclerosis Plus, 2022, 48, 12-19.	0.3	2
45	Lesion Eccentricity and Fractional Flow Reserve and Coronary Flow Reserve in Coronary Arteries. Advanced Structured Materials, 2013, , 1-6.	0.3	1
46	Editorial introductions. Current Opinion in Rheumatology, 2011, 23, vii-viii.	2.0	0