Mary G Sorci-Thomas

List of Publications by Year in Descending Order

73 papers	2,870 citations	29 h-index	52 g-index
100 ext. papers	3,270 ext. citations	8.1 avg, IF	5.06 L-index

#	Paper	IF	Citations
73	Downregulation of low-density lipoprotein receptor mRNA in lymphatic endothelial cells impairs lymphatic function through changes in intracellular lipids.. *Theranostics*, **2022**, 12, 1440-1458	12.1	0
72	Shobha Ghosh (1958-2021).. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2022**, 42, 239-240	9.4	
71	Apolipoprotein A-I carboxy-terminal domain residues 187-243 are required for adiponectin-induced cholesterol efflux.. *Cellular Signalling*, **2021**, 91, 110222	4.9	
70	Enterically derived high-density lipoprotein restrains liver injury through the portal vein. *Science*, **2021**, 373,	33.3	23
69	Endothelial Rap1 (Ras-Association Proximate 1) Restricts Inflammatory Signaling to Protect From the Progression of Atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 638-650	9.4	6
68	Myeloperoxidase Inhibition Ameliorates Plaque Psoriasis in Mice. *Antioxidants*, **2021**, 10,	7.1	2
67	Current models of apolipoprotein A-I lipidation by adenosine triphosphate binding cassette transporter A1. *Current Opinion in Lipidology*, **2021**,	4.4	3
66	Pcpe2, a Novel Extracellular Matrix Protein, Regulates Adipocyte SR-BI-Mediated High-Density Lipoprotein Uptake. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2708-2725	9.4	1
65	Integrating Mouse and Human Genetic Data to Move beyond GWAS and Identify Causal Genes in Cholesterol Metabolism. *Cell Metabolism*, **2020**, 31, 741-754.e5	24.6	16
64	The ins and outs of lipid rafts: functions in intracellular cholesterol homeostasis, microparticles, and cell membranes: Thematic Review Series: Biology of Lipid Rafts. *Journal of Lipid Research*, **2020**, 61, 676-686	6.3	28
63	Recombinant LCAT (Lecithin:Cholesterol Acyltransferase) Rescues Defective HDL (High-Density Lipoprotein)-Mediated Endothelial Protection in Acute Coronary Syndrome. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 915-924	9.4	24
62	Adipose Specific Loss of PCPE2 Promotes Microvascular Endothelial Dysfunction and Decreased Angiogenic Potential. *FASEB Journal*, **2019**, 33, 522.8	0.9	1
61	Interleukin-17 Drives Interstitial Entrapment of Tissue Lipoproteins in Experimental Psoriasis. *Cell Metabolism*, **2019**, 29, 475-487.e7	24.6	25
60	Apolipoprotein AI prevents regulatory to follicular helper T cell switching during atherosclerosis. *Nature Communications*, **2018**, 9, 1095	17.4	85
59	High-Density Lipoprotein Functionality as a New Pharmacological Target on Cardiovascular Disease: Unifying Mechanism That Explains High-Density Lipoprotein Protection Toward the Progression of Atherosclerosis. *Journal of Cardiovascular Pharmacology*, **2018**, 71, 325-331	3.1	22
58	Rediscovering scavenger receptor type BI: surprising new roles for the HDL receptor. *Current Opinion in Lipidology*, **2017**, 28, 255-260	4.4	17
57	Apolipoprotein A-I Modulates Atherosclerosis Through Lymphatic Vessel-Dependent Mechanisms in Mice. *Journal of the American Heart Association*, **2017**, 6,	6	17

56	Anti-inflammatory liaisons: T regulatory cells and HDL. *Journal of Lipid Research*, **2017**, 58, 1491-1492	6.3	2
55	A consensus model of human apolipoprotein A-I in its monomeric and lipid-free state. *Nature Structural and Molecular Biology*, **2017**, 24, 1093-1099	17.6	36
54	Thermoneutrality but Not UCP1 Deficiency Suppresses Monocyte Mobilization Into Blood. *Circulation Research*, **2017**, 121, 662-676	15.7	21
53	S1P in HDL promotes interaction between SR-BI and S1PR1 and activates S1PR1-mediated biological functions: calcium flux and S1PR1 internalization. *Journal of Lipid Research*, **2017**, 58, 325-338	6.3	23
52	Microdomains, Inflammation, and Atherosclerosis. *Circulation Research*, **2016**, 118, 679-91	15.7	98
51	Loss of ABCG1 influences regulatory T cell differentiation and atherosclerosis. *Journal of Clinical Investigation*, **2016**, 126, 3236-46	15.9	45
50	Lipid-Free Apolipoprotein A-I Reduces Progression of Atherosclerosis by Mobilizing Microdomain Cholesterol and Attenuating the Number of CD131 Expressing Cells: Monitoring Cholesterol Homeostasis Using the Cellular Ester to Total Cholesterol Ratio. *Journal of the American Heart Association*, **2016**, 5,	6	16
49	High-Density Lipoprotein Biogenesis: Defining the Domains Involved in Human Apolipoprotein A-I Lipidation. *Biochemistry*, **2016**, 55, 4971-81	3.2	11
48	SAA: a link between cholesterol efflux capacity and inflammation?. *Journal of Lipid Research*, **2015**, 56, 1383-5	6.3	4
47	Lipin-1 contributes to modified low-density lipoprotein-elicited macrophage pro-inflammatory responses. *Atherosclerosis*, **2015**, 242, 424-32	3.1	14
46	Associations of ApoAI and ApoB-containing lipoproteins with AngII-induced abdominal aortic aneurysms in mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1826-34	9.4	29
45	Acrolein impairs the cholesterol transport functions of high density lipoproteins. *PLoS ONE*, **2015**, 10, e0123138	3.7	24
44	Macrophage apoAI protects against dyslipidemia-induced dermatitis and atherosclerosis without affecting HDL. *Journal of Lipid Research*, **2015**, 56, 635-643	6.3	23
43	What does procollagen C-endopeptidase enhancer protein 2 have to do with HDL-cholesteryl ester uptake? Or how I learned to stop worrying and love reverse cholesterol transport?. *Current Opinion in Lipidology*, **2015**, 26, 420-5	4.4	9
42	Procollagen C-endopeptidase Enhancer Protein 2 (PCPE2) Reduces Atherosclerosis in Mice by Enhancing Scavenger Receptor Class B1 (SR-BI)-mediated High-density Lipoprotein (HDL)-Cholesteryl Ester Uptake. *Journal of Biological Chemistry*, **2015**, 290, 15496-15511	5.4	21
41	Regulation of high-density lipoprotein on hematopoietic stem/progenitor cells in atherosclerosis requires scavenger receptor type BI expression. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1900-9	9.4	41
40	Hepatic apolipoprotein M (apoM) overexpression stimulates formation of larger apoM/sphingosine 1-phosphate-enriched plasma high density lipoprotein. *Journal of Biological Chemistry*, **2014**, 289, 2801-14	5.4	58
39	The conformation of lipid-free human apolipoprotein A-I in solution. *Biochemistry*, **2013**, 52, 9470-81	3.2	27

38	Why targeting HDL should work as a therapeutic tool, but has not. *Journal of Cardiovascular Pharmacology*, **2013**, 62, 239-46	3.1	28
37	Lymphatic vasculature mediates macrophage reverse cholesterol transport in mice. *Journal of Clinical Investigation*, **2013**, 123, 1571-9	15.9	207
36	Nascent high density lipoproteins formed by ABCA1 resemble lipid rafts and are structurally organized by three apoA-I monomers. *Journal of Lipid Research*, **2012**, 53, 1890-909	6.3	94
35	Dysfunctional HDL containing L159R ApoA-I leads to exacerbation of atherosclerosis in hyperlipidemic mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2012**, 1821, 502-12	5	14
34	High density lipoprotein biogenesis, cholesterol efflux, and immune cell function. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2561-5	9.4	74
33	Suppressed monocyte recruitment drives macrophage removal from atherosclerotic plaques of Apoe-/- mice during disease regression. *Journal of Clinical Investigation*, **2011**, 121, 2025-36	15.9	255
32	Apolipoprotein A-I modulates regulatory T cells in autoimmune LDLr-/-, ApoA-I-/- mice. *Journal of Biological Chemistry*, **2010**, 285, 36158-69	5.4	91
31	Genetic deletion of apolipoprotein A-I increases airway hyperresponsiveness, inflammation, and collagen deposition in the lung. *Journal of Lipid Research*, **2010**, 51, 2560-70	6.3	61
30	Conformation of dimeric apolipoprotein A-I milano on recombinant lipoprotein particles. *Biochemistry*, **2010**, 49, 5213-24	3.2	15
29	Activation of lecithin:cholesterol acyltransferase by HDL ApoA-I central helices. *Clinical Lipidology*, **2009**, 4, 113-124		47
28	Apolipoprotein A-I and its role in lymphocyte cholesterol homeostasis and autoimmunity. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 843-9	9.4	103
27	Three-dimensional models of HDL apoA-I: implications for its assembly and function. *Journal of Lipid Research*, **2008**, 49, 1875-83	6.3	79
26	Ratio determination of plasma wild-type and L159R apoA-I using mass spectrometry: tools for studying apoA-IFin. *Journal of Lipid Research*, **2007**, 48, 226-34	6.3	11
25	Inflammation and skin cholesterol in LDLr-/-, apoA-I-/- mice: link between cholesterol homeostasis and self-tolerance?. *Journal of Lipid Research*, **2007**, 48, 52-65	6.3	38
24	Conformational adaptation of apolipoprotein A-I to discretely sized phospholipid complexes. *Biochemistry*, **2007**, 46, 7811-21	3.2	65
23	The use of chemical cross-linking and mass spectrometry to elucidate the tertiary conformation of lipid-bound apolipoprotein A-I. *Current Opinion in Lipidology*, **2006**, 17, 214-20	4.4	17
22	Apolipoprotein A-I helix 6 negatively charged residues attenuate lecithin-cholesterol acyltransferase (LCAT) reactivity. *Biochemistry*, **2005**, 44, 5409-19	3.2	33
21	Effects of D-4F on vasodilation and vessel wall thickness in hypercholesterolemic LDL receptor-null and LDL receptor/apolipoprotein A-I double-knockout mice on Western diet. *Circulation Research*, **2005**, 97, 1190-7	15.7	115

20	Intermolecular contact between globular N-terminal fold and C-terminal domain of ApoA-I stabilizes its lipid-bound conformation: studies employing chemical cross-linking and mass spectrometry. *Journal of Biological Chemistry*, **2005**, 280, 33015-25	5.4	88
19	Quality control in the apoA-I secretory pathway: deletion of apoA-I helix 6 leads to the formation of cytosolic phospholipid inclusions. *Journal of Lipid Research*, **2004**, 45, 1207-20	6.3	10
18	Induction of fatal inflammation in LDL receptor and ApoA-I double-knockout mice fed dietary fat and cholesterol. *American Journal of Pathology*, **2003**, 163, 1201-13	5.8	51
17	The effects of altered apolipoprotein A-I structure on plasma HDL concentration. *Trends in Cardiovascular Medicine*, **2002**, 12, 121-8	6.9	158
16	ApoA-I structure on discs and spheres. Variable helix registry and conformational states. *Journal of Biological Chemistry*, **2002**, 277, 39093-101	5.4	59
15	Apolipoprotein A-I alpha -helices 7 and 8 modulate high density lipoprotein subclass distribution. *Journal of Biological Chemistry*, **2002**, 277, 9645-54	5.4	30
14	Alpha-tocopherol protects against diet induced atherosclerosis in New Zealand white rabbits. *Journal of Lipid Research*, **2002**, 43, 1927-38	6.3	25
13	Isoprostane levels in lipids extracted from atherosclerotic arteries of nonhuman primates. *Free Radical Biology and Medicine*, **2001**, 30, 1337-46	7.8	11
12	Is the oxidation of high-density lipoprotein lipids different than the oxidation of low-density lipoprotein lipids?. *Biochemistry*, **2001**, 40, 1719-24	3.2	15
11	Preparation and incorporation of probe-labeled apoA-I for fluorescence resonance energy transfer studies of rHDL. *Journal of Lipid Research*, **2001**, 42, 2084-2091	6.3	16
10	Single repeat deletion in ApoA-I blocks cholesterol esterification and results in rapid catabolism of delta6 and wild-type ApoA-I in transgenic mice. *Journal of Biological Chemistry*, **2000**, 275, 12156-63	5.4	36
9	Structural determination of lipid-bound ApoA-I using fluorescence resonance energy transfer. *Journal of Biological Chemistry*, **2000**, 275, 37048-54	5.4	65
8	Sex steroids increase cholesterol 7alpha-hydroxylase mRNA in nonhuman primates. *Metabolism: Clinical and Experimental*, **1998**, 47, 391-5	12.7	15
7	The hydrophobic face orientation of apolipoprotein A-I amphipathic helix domain 143-164 regulates lecithin:cholesterol acyltransferase activation. *Journal of Biological Chemistry*, **1998**, 273, 11776-82	5.4	61
6	Alteration in apolipoprotein A-I 22-mer repeat order results in a decrease in lecithin:cholesterol acyltransferase reactivity. *Journal of Biological Chemistry*, **1997**, 272, 7278-84	5.4	43
5	Cortisol up-regulates corticotropin releasing factor gene expression in the fetal ovine brainstem at 0.70 gestation. *Molecular Brain Research*, **1995**, 32, 75-81		7
4	Species-specific polymorphism in the promoter of the apolipoprotein A-I gene: restoration of human transcriptional efficiency by substitution at positions -189, -144 and -48 bp. *Lipids and Lipid Metabolism*, **1995**, 1256, 387-95		1
3	Estrogen modulates the inducible expression of platelet-derived growth factor mRNA by monocyte/macrophages. *Life Sciences*, **1995**, 56, 499-507	6.8	31

2	Corticotropin releasing factor mRNA and peptide levels are differentially regulated in the developing ovine brain. *Molecular Brain Research*, **1994**, 27, 103-10		3
1	Dexamethasone increases apolipoprotein A-I concentrations in medium and apolipoprotein A-I mRNA abundance from Hep G2 cells. *Metabolism: Clinical and Experimental*, **1992**, 41, 1075-80	12.7	16