

Mary G Sorci-Thomas

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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	Suppressed monocyte recruitment drives macrophage removal from atherosclerotic plaques of Apo ϵ -/- mice during disease regression. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2025-36	15.9	255
72	Lymphatic vasculature mediates macrophage reverse cholesterol transport in mice. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1571-9	15.9	207
71	The effects of altered apolipoprotein A-I structure on plasma HDL concentration. <i>Trends in Cardiovascular Medicine</i> , 2002 , 12, 121-8	6.9	158
70	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. <i>Circulation Research</i> , 2005 , 97, 1190-7	15.7	115
69	Apolipoprotein A-I and its role in lymphocyte cholesterol homeostasis and autoimmunity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 843-9	9.4	103
68	Microdomains, Inflammation, and Atherosclerosis. <i>Circulation Research</i> , 2016 , 118, 679-91	15.7	98
67	Nascent high density lipoproteins formed by ABCA1 resemble lipid rafts and are structurally organized by three apoA-I monomers. <i>Journal of Lipid Research</i> , 2012 , 53, 1890-909	6.3	94
66	Apolipoprotein A-I modulates regulatory T cells in autoimmune LDLr-/-, ApoA-I-/- mice. <i>Journal of Biological Chemistry</i> , 2010 , 285, 36158-69	5.4	91
65	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. <i>Journal of Biological Chemistry</i> , 2005 , 280, 33015-25	5.4	88
64	Apolipoprotein AI prevents regulatory to follicular helper T cell switching during atherosclerosis. <i>Nature Communications</i> , 2018 , 9, 1095	17.4	85
63	Three-dimensional models of HDL apoA-I: implications for its assembly and function. <i>Journal of Lipid Research</i> , 2008 , 49, 1875-83	6.3	79
62	High density lipoprotein biogenesis, cholesterol efflux, and immune cell function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2561-5	9.4	74
61	Conformational adaptation of apolipoprotein A-I to discretely sized phospholipid complexes. <i>Biochemistry</i> , 2007 , 46, 7811-21	3.2	65
60	Structural determination of lipid-bound ApoA-I using fluorescence resonance energy transfer. <i>Journal of Biological Chemistry</i> , 2000 , 275, 37048-54	5.4	65
59	Genetic deletion of apolipoprotein A-I increases airway hyperresponsiveness, inflammation, and collagen deposition in the lung. <i>Journal of Lipid Research</i> , 2010 , 51, 2560-70	6.3	61
58	The hydrophobic face orientation of apolipoprotein A-I amphipathic helix domain 143-164 regulates lecithin:cholesterol acyltransferase activation. <i>Journal of Biological Chemistry</i> , 1998 , 273, 11776-82	5.4	61
57	ApoA-I structure on discs and spheres. Variable helix registry and conformational states. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39093-101	5.4	59

56	Hepatic apolipoprotein M (apoM) overexpression stimulates formation of larger apoM/sphingosine 1-phosphate-enriched plasma high density lipoprotein. <i>Journal of Biological Chemistry</i> , 2014 , 289, 2801-14	5.4	58
55	Induction of fatal inflammation in LDL receptor and ApoA-I double-knockout mice fed dietary fat and cholesterol. <i>American Journal of Pathology</i> , 2003 , 163, 1201-13	5.8	51
54	Activation of lecithin:cholesterol acyltransferase by HDL ApoA-I central helices. <i>Clinical Lipidology</i> , 2009 , 4, 113-124		47
53	Loss of ABCG1 influences regulatory T cell differentiation and atherosclerosis. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3236-46	15.9	45
52	Alteration in apolipoprotein A-I 22-mer repeat order results in a decrease in lecithin:cholesterol acyltransferase reactivity. <i>Journal of Biological Chemistry</i> , 1997 , 272, 7278-84	5.4	43
51	Regulation of high-density lipoprotein on hematopoietic stem/progenitor cells in atherosclerosis requires scavenger receptor type BI expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1900-9	9.4	41
50	Inflammation and skin cholesterol in LDLr ^{-/-} , apoA-I ^{-/-} mice: link between cholesterol homeostasis and self-tolerance?. <i>Journal of Lipid Research</i> , 2007 , 48, 52-65	6.3	38
49	A consensus model of human apolipoprotein A-I in its monomeric and lipid-free state. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 1093-1099	17.6	36
48	Single repeat deletion in ApoA-I blocks cholesterol esterification and results in rapid catabolism of delta6 and wild-type ApoA-I in transgenic mice. <i>Journal of Biological Chemistry</i> , 2000 , 275, 12156-63	5.4	36
47	Apolipoprotein A-I helix 6 negatively charged residues attenuate lecithin-cholesterol acyltransferase (LCAT) reactivity. <i>Biochemistry</i> , 2005 , 44, 5409-19	3.2	33
46	Estrogen modulates the inducible expression of platelet-derived growth factor mRNA by monocyte/macrophages. <i>Life Sciences</i> , 1995 , 56, 499-507	6.8	31
45	Apolipoprotein A-I alpha -helices 7 and 8 modulate high density lipoprotein subclass distribution. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9645-54	5.4	30
44	Associations of ApoAI and ApoB-containing lipoproteins with AngII-induced abdominal aortic aneurysms in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1826-34	9.4	29
43	Why targeting HDL should work as a therapeutic tool, but has not. <i>Journal of Cardiovascular Pharmacology</i> , 2013 , 62, 239-46	3.1	28
42	The ins and outs of lipid rafts: functions in intracellular cholesterol homeostasis, microparticles, and cell membranes: Thematic Review Series: Biology of Lipid Rafts. <i>Journal of Lipid Research</i> , 2020 , 61, 676-686	6.3	28
41	The conformation of lipid-free human apolipoprotein A-I in solution. <i>Biochemistry</i> , 2013 , 52, 9470-81	3.2	27
40	Alpha-tocopherol protects against diet induced atherosclerosis in New Zealand white rabbits. <i>Journal of Lipid Research</i> , 2002 , 43, 1927-38	6.3	25
39	Interleukin-17 Drives Interstitial Entrapment of Tissue Lipoproteins in Experimental Psoriasis. <i>Cell Metabolism</i> , 2019 , 29, 475-487.e7	24.6	25

38	Recombinant LCAT (Lecithin:Cholesterol Acyltransferase) Rescues Defective HDL (High-Density Lipoprotein)-Mediated Endothelial Protection in Acute Coronary Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 915-924	9.4	24
37	Acrolein impairs the cholesterol transport functions of high density lipoproteins. <i>PLoS ONE</i> , 2015 , 10, e0123138	3.7	24
36	S1P in HDL promotes interaction between SR-BI and S1PR1 and activates S1PR1-mediated biological functions: calcium flux and S1PR1 internalization. <i>Journal of Lipid Research</i> , 2017 , 58, 325-338	6.3	23
35	Macrophage apoA1 protects against dyslipidemia-induced dermatitis and atherosclerosis without affecting HDL. <i>Journal of Lipid Research</i> , 2015 , 56, 635-643	6.3	23
34	Enterically derived high-density lipoprotein restrains liver injury through the portal vein. <i>Science</i> , 2021 , 373,	33.3	23
33	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. <i>Journal of Cardiovascular Pharmacology</i> , 2018 , 71, 325-331	3.1	22
32	Thermoneutrality but Not UCP1 Deficiency Suppresses Monocyte Mobilization Into Blood. <i>Circulation Research</i> , 2017 , 121, 662-676	15.7	21
31	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. <i>Journal of Biological Chemistry</i> , 2015 , 290, 15496-15511	5.4	21
30	Rediscovering scavenger receptor type BI: surprising new roles for the HDL receptor. <i>Current Opinion in Lipidology</i> , 2017 , 28, 255-260	4.4	17
29	Apolipoprotein A-I Modulates Atherosclerosis Through Lymphatic Vessel-Dependent Mechanisms in Mice. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	17
28	The use of chemical cross-linking and mass spectrometry to elucidate the tertiary conformation of lipid-bound apolipoprotein A-I. <i>Current Opinion in Lipidology</i> , 2006 , 17, 214-20	4.4	17
27	Integrating Mouse and Human Genetic Data to Move beyond GWAS and Identify Causal Genes in Cholesterol Metabolism. <i>Cell Metabolism</i> , 2020 , 31, 741-754.e5	24.6	16
26	Dexamethasone increases apolipoprotein A-I concentrations in medium and apolipoprotein A-I mRNA abundance from Hep G2 cells. <i>Metabolism: Clinical and Experimental</i> , 1992 , 41, 1075-80	12.7	16
25	Preparation and incorporation of probe-labeled apoA-I for fluorescence resonance energy transfer studies of rHDL. <i>Journal of Lipid Research</i> , 2001 , 42, 2084-2091	6.3	16
24	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. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	16
23	Conformation of dimeric apolipoprotein A-I milano on recombinant lipoprotein particles. <i>Biochemistry</i> , 2010 , 49, 5213-24	3.2	15
22	Sex steroids increase cholesterol 7alpha-hydroxylase mRNA in nonhuman primates. <i>Metabolism: Clinical and Experimental</i> , 1998 , 47, 391-5	12.7	15
21	Is the oxidation of high-density lipoprotein lipids different than the oxidation of low-density lipoprotein lipids?. <i>Biochemistry</i> , 2001 , 40, 1719-24	3.2	15

20	Lipin-1 contributes to modified low-density lipoprotein-elicited macrophage pro-inflammatory responses. <i>Atherosclerosis</i> , 2015 , 242, 424-32	3.1	14
19	Dysfunctional HDL containing L159R ApoA-I leads to exacerbation of atherosclerosis in hyperlipidemic mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 502-12	5.2	14
18	Ratio determination of plasma wild-type and L159R apoA-I using mass spectrometry: tools for studying apoA-I Fin. <i>Journal of Lipid Research</i> , 2007 , 48, 226-34	6.3	11
17	Isoprostane levels in lipids extracted from atherosclerotic arteries of nonhuman primates. <i>Free Radical Biology and Medicine</i> , 2001 , 30, 1337-46	7.8	11
16	High-Density Lipoprotein Biogenesis: Defining the Domains Involved in Human Apolipoprotein A-I Lipidation. <i>Biochemistry</i> , 2016 , 55, 4971-81	3.2	11
15	Quality control in the apoA-I secretory pathway: deletion of apoA-I helix 6 leads to the formation of cytosolic phospholipid inclusions. <i>Journal of Lipid Research</i> , 2004 , 45, 1207-20	6.3	10
14	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?. <i>Current Opinion in Lipidology</i> , 2015 , 26, 420-5	4.4	9
13	Cortisol up-regulates corticotropin releasing factor gene expression in the fetal ovine brainstem at 0.70 gestation. <i>Molecular Brain Research</i> , 1995 , 32, 75-81		7
12	Endothelial Rap1 (Ras-Association Proximate 1) Restricts Inflammatory Signaling to Protect From the Progression of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 638-650	9.4	6
11	SAA: a link between cholesterol efflux capacity and inflammation?. <i>Journal of Lipid Research</i> , 2015 , 56, 1383-5	6.3	4
10	Corticotropin releasing factor mRNA and peptide levels are differentially regulated in the developing ovine brain. <i>Molecular Brain Research</i> , 1994 , 27, 103-10		3
9	Current models of apolipoprotein A-I lipidation by adenosine triphosphate binding cassette transporter A1. <i>Current Opinion in Lipidology</i> , 2021 ,	4.4	3
8	Anti-inflammatory liaisons: T regulatory cells and HDL. <i>Journal of Lipid Research</i> , 2017 , 58, 1491-1492	6.3	2
7	Myeloperoxidase Inhibition Ameliorates Plaque Psoriasis in Mice. <i>Antioxidants</i> , 2021 , 10,	7.1	2
6	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. <i>Lipids and Lipid Metabolism</i> , 1995 , 1256, 387-95		1
5	Adipose Specific Loss of PCPE2 Promotes Microvascular Endothelial Dysfunction and Decreased Angiogenic Potential. <i>FASEB Journal</i> , 2019 , 33, 522.8	0.9	1
4	Pcpe2, a Novel Extracellular Matrix Protein, Regulates Adipocyte SR-BI-Mediated High-Density Lipoprotein Uptake. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2708-2725	9.4	1
3	Downregulation of low-density lipoprotein receptor mRNA in lymphatic endothelial cells impairs lymphatic function through changes in intracellular lipids.. <i>Theranostics</i> , 2022 , 12, 1440-1458	12.1	0

- 2 Apolipoprotein A-I carboxy-terminal domain residues 187-243 are required for adiponectin-induced cholesterol efflux.. *Cellular Signalling*, **2021**, 91, 110222 4.9
- 1 Shobha Ghosh (1958-2021).. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2022**, 42, 239-240 9.4