

Michael C Phillips

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179
papers

16,756
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70
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182
ext. papers

17,868
ext. citations

5.9
avg, IF

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L-index

#	Paper	IF	Citations
179	From noncoding variant to phenotype via SORT1 at the 1p13 cholesterol locus. <i>Nature</i> , 2010 , 466, 714-9	50.4	820
178	Cellular cholesterol efflux mediated by cyclodextrins. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17250-6	5.4	643
177	Cholesterol efflux and atheroprotection: advancing the concept of reverse cholesterol transport. <i>Circulation</i> , 2012 , 125, 1905-19	16.7	614
176	Scavenger receptor BI promotes high density lipoprotein-mediated cellular cholesterol efflux. <i>Journal of Biological Chemistry</i> , 1997 , 272, 20982-5	5.4	577
175	Mechanisms and consequences of cellular cholesterol exchange and transfer. <i>BBA - Biomembranes</i> , 1987 , 906, 223-76		453
174	Importance of different pathways of cellular cholesterol efflux. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 712-9	9.4	412
173	Cholesterol transport between cells and high-density lipoproteins. <i>Lipids and Lipid Metabolism</i> , 1991 , 1085, 273-98		383
172	Cell cholesterol efflux: integration of old and new observations provides new insights. <i>Journal of Lipid Research</i> , 1999 , 40, 781-796	6.3	375
171	Molecular mechanisms of cellular cholesterol efflux. <i>Journal of Biological Chemistry</i> , 2014 , 289, 24020-9	5.4	362
170	Cellular cholesterol efflux mediated by cyclodextrins. Demonstration Of kinetic pools and mechanism of efflux. <i>Journal of Biological Chemistry</i> , 1996 , 271, 16026-34	5.4	362
169	Mechanism of ATP-binding cassette transporter A1-mediated cellular lipid efflux to apolipoprotein A-I and formation of high density lipoprotein particles. <i>Journal of Biological Chemistry</i> , 2007 , 282, 25123-30	5.4	270
168	Differences in stability among the human apolipoprotein E isoforms determined by the amino-terminal domain. <i>Biochemistry</i> , 2000 , 39, 11657-66	3.2	255
167	High-density lipoprotein heterogeneity and function in reverse cholesterol transport. <i>Current Opinion in Lipidology</i> , 2010 , 21, 229-38	4.4	247
166	The roles of different pathways in the release of cholesterol from macrophages. <i>Journal of Lipid Research</i> , 2007 , 48, 2453-62	6.3	246
165	Scavenger receptor class B type I as a mediator of cellular cholesterol efflux to lipoproteins and phospholipid acceptors. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5599-606	5.4	244
164	Class B scavenger receptor-mediated intestinal absorption of dietary beta-carotene and cholesterol. <i>Biochemistry</i> , 2005 , 44, 4517-25	3.2	234
163	Influence of molecular packing and phospholipid type on rates of cholesterol exchange. <i>Biochemistry</i> , 1988 , 27, 3416-23	3.2	220

162	Identification of a receptor mediating absorption of dietary cholesterol in the intestine. <i>Biochemistry</i> , 1998 , 37, 17843-50	3.2	217
161	Efflux of cellular cholesterol and phospholipid to lipid-free apolipoproteins and class A amphipathic peptides. <i>Biochemistry</i> , 1995 , 34, 7955-65	3.2	190
160	Effects of increasing hydrophobicity on the physical-chemical and biological properties of a class A amphipathic helical peptide. <i>Journal of Lipid Research</i> , 2001 , 42, 1096-1104	6.3	174
159	Scavenger receptor BI (SR-BI) mediates free cholesterol flux independently of HDL tethering to the cell surface. <i>Journal of Lipid Research</i> , 1999 , 40, 575-580	6.3	174
158	High density lipoprotein structure-function and role in reverse cholesterol transport. <i>Sub-Cellular Biochemistry</i> , 2010 , 51, 183-227	5.5	167
157	Only the two end helices of eight tandem amphipathic helical domains of human apo A-I have significant lipid affinity. Implications for HDL assembly. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996 , 16, 328-38	9.4	167
156	Contributions of domain structure and lipid interaction to the functionality of exchangeable human apolipoproteins. <i>Progress in Lipid Research</i> , 2004 , 43, 350-80	14.3	166
155	Apolipoprotein E isoforms and lipoprotein metabolism. <i>IUBMB Life</i> , 2014 , 66, 616-23	4.7	158
154	Mechanism of scavenger receptor class B type I-mediated selective uptake of cholesteryl esters from high density lipoprotein to adrenal cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 20344-50	5.4	156
153	Apolipoprotein-mediated plasma membrane microsolubilization. Role of lipid affinity and membrane penetration in the efflux of cellular cholesterol and phospholipid. <i>Journal of Biological Chemistry</i> , 1999 , 274, 2021-8	5.4	153
152	Characterization of nascent HDL particles and microparticles formed by ABCA1-mediated efflux of cellular lipids to apoA-I. <i>Journal of Lipid Research</i> , 2006 , 47, 832-43	6.3	151
151	Hepatic sortilin regulates both apolipoprotein B secretion and LDL catabolism. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2807-16	15.9	151
150	Scavenger receptor BI and cholesterol trafficking. <i>Current Opinion in Lipidology</i> , 1999 , 10, 329-39	4.4	146
149	A sensitive assay for ABCA1-mediated cholesterol efflux using BODIPY-cholesterol. <i>Journal of Lipid Research</i> , 2011 , 52, 2332-2340	6.3	145
148	Ion-binding to phospholipids. Interaction of calcium and lanthanide ions with phosphatidylcholine (lecithin). <i>FEBS Journal</i> , 1975 , 58, 133-44		144
147	Increased low-density lipoprotein oxidation and impaired high-density lipoprotein antioxidant defense are associated with increased macrophage homing and atherosclerosis in dyslipidemic obese mice: LCAT gene transfer decreases atherosclerosis. <i>Circulation</i> , 2003 , 107, 1640-6	16.7	142
146	Domain structure and lipid interaction in human apolipoproteins A-I and E, a general model. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23227-32	5.4	137
145	Effects of acceptor composition and mechanism of ABCG1-mediated cellular free cholesterol efflux. <i>Journal of Lipid Research</i> , 2009 , 50, 275-84	6.3	128

144	Helical structure and stability in human apolipoprotein A-I by hydrogen exchange and mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19005-10	11.5	125
143	Mechanism of the hepatic lipase induced accumulation of high-density lipoprotein cholesterol by cells in culture. <i>Biochemistry</i> , 1985 , 24, 3693-701	3.2	122
142	Cardiovascular protection by ApoE and ApoE-HDL linked to suppression of ECM gene expression and arterial stiffening. <i>Cell Reports</i> , 2012 , 2, 1259-71	10.6	121
141	Kinetics of phosphatidylcholine and lysophosphatidylcholine exchange between unilamellar vesicles. <i>Biochemistry</i> , 1984 , 23, 4624-30	3.2	121
140	The effect of high density lipoprotein phospholipid acyl chain composition on the efflux of cellular free cholesterol. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5882-90	5.4	119
139	Ion-binding to phospholipids. Interaction of calcium with phosphatidylserine. <i>FEBS Journal</i> , 1976 , 62, 335-44		119
138	Efflux of cholesterol from different cellular pools. <i>Biochemistry</i> , 2000 , 39, 4508-17	3.2	114
137	New insights into the determination of HDL structure by apolipoproteins: Thematic review series: high density lipoprotein structure, function, and metabolism. <i>Journal of Lipid Research</i> , 2013 , 54, 2034-2048	6.3	112
136	Truncation of the amino terminus of human apolipoprotein A-I substantially alters only the lipid-free conformation. <i>Biochemistry</i> , 1997 , 36, 288-300	3.2	112
135	ABCA1-induced cell surface binding sites for ApoA-I. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1603-9	9.4	111
134	Effect of end group blockage on the properties of a class A amphipathic helical peptide. <i>Proteins: Structure, Function and Bioinformatics</i> , 1993 , 15, 349-59	4.2	109
133	CD36 mediates both cellular uptake of very long chain fatty acids and their intestinal absorption in mice. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13108-15	5.4	108
132	Apolipoprotein B-100 conformation and particle surface charge in human LDL subspecies: implication for LDL receptor interaction. <i>Biochemistry</i> , 1998 , 37, 12867-74	3.2	108
131	Packing of cholesterol molecules in human low-density lipoprotein. <i>Biochemistry</i> , 1986 , 25, 1562-8	3.2	107
130	Effects of acceptor particle size on the efflux of cellular free cholesterol. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17106-113	5.4	105
129	Effects of apolipoprotein A-I on ATP-binding cassette transporter A1-mediated efflux of macrophage phospholipid and cholesterol: formation of nascent high density lipoprotein particles. <i>Journal of Biological Chemistry</i> , 2003 , 278, 42976-84	5.4	104
128	Scavenger receptor class B, type I-mediated uptake of various lipids into cells. Influence of the nature of the donor particle interaction with the receptor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43801-8	5.4	103
127	Mechanisms of cholesterol-lowering effects of dietary insoluble fibres: relationships with intestinal and hepatic cholesterol parameters. <i>British Journal of Nutrition</i> , 2005 , 94, 331-7	3.6	100

126	Lipid binding-induced conformational change in human apolipoprotein E. Evidence for two lipid-bound states on spherical particles. <i>Journal of Biological Chemistry</i> , 2001 , 276, 40949-54	5.4	95
125	Binding and cross-linking studies show that scavenger receptor BI interacts with multiple sites in apolipoprotein A-I and identify the class A amphipathic alpha-helix as a recognition motif. <i>Journal of Biological Chemistry</i> , 2000 , 275, 18897-904	5.4	94
124	Alpha-helix formation is required for high affinity binding of human apolipoprotein A-I to lipids. <i>Journal of Biological Chemistry</i> , 2004 , 279, 20974-81	5.4	92
123	Effects of the neutral lipid content of high density lipoprotein on apolipoprotein A-I structure and particle stability. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26910-7	5.4	92
122	Molecular packing of high-density and low-density lipoprotein surface lipids and apolipoprotein A-I binding. <i>Biochemistry</i> , 1989 , 28, 1126-33	3.2	88
121	The C-terminal lipid-binding domain of apolipoprotein E is a highly efficient mediator of ABCA1-dependent cholesterol efflux that promotes the assembly of high-density lipoproteins. <i>Biochemistry</i> , 2007 , 46, 2583-93	3.2	87
120	Scavenger receptor BI (SR-BI) clustered on microvillar extensions suggests that this plasma membrane domain is a way station for cholesterol trafficking between cells and high-density lipoprotein. <i>Molecular Biology of the Cell</i> , 2004 , 15, 384-96	3.5	80
119	Influence of apoE domain structure and polymorphism on the kinetics of phospholipid vesicle solubilization. <i>Journal of Lipid Research</i> , 2002 , 43, 1688-700	6.3	80
118	New insights into the heparan sulfate proteoglycan-binding activity of apolipoprotein E. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39138-44	5.4	77
117	Induction of cellular cholesterol efflux to lipid-free apolipoprotein A-I by cAMP. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999 , 1438, 85-98	5	77
116	Is ABCA1 a lipid transfer protein?. <i>Journal of Lipid Research</i> , 2018 , 59, 749-763	6.3	74
115	Mechanisms of high density lipoprotein-mediated efflux of cholesterol from cell plasma membranes. <i>Atherosclerosis</i> , 1998 , 137 Suppl, S13-7	3.1	73
114	Removal of cellular cholesterol by pre-HDL involves plasma membrane microsolubilization. <i>Journal of Lipid Research</i> , 1998 , 39, 1918-1928	6.3	73
113	Studies of synthetic peptides of human apolipoprotein A-I containing tandem amphipathic alpha-helices. <i>Biochemistry</i> , 1998 , 37, 10313-24	3.2	72
112	Effects of lipid composition and packing on the adsorption of apolipoprotein A-I to lipid monolayers. <i>Biochemistry</i> , 1988 , 27, 7155-62	3.2	72
111	Scavenger receptor class B type I-mediated cholesteryl ester-selective uptake and efflux of unesterified cholesterol. Influence of high density lipoprotein size and structure. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12448-55	5.4	71
110	High density lipoprotein structure. <i>Frontiers in Bioscience - Landmark</i> , 2003 , 8, d1044-54	2.8	71
109	Interaction of apoprotein from porcine high-density lipoprotein with dimyristoyl lecithin. 2. Nature of lipid-protein interaction. <i>FEBS Journal</i> , 1976 , 64, 549-63		70

108	Aromatic residue position on the nonpolar face of class a amphipathic helical peptides determines biological activity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26509-17	5.4	69
107	Influence of ApoA-I structure on the ABCA1-mediated efflux of cellular lipids. <i>Journal of Biological Chemistry</i> , 2004 , 279, 49931-9	5.4	69
106	Cholesterol transfer from small and large unilamellar vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984 , 776, 21-6	3.8	69
105	Reverse cholesterol transport. <i>Methods in Enzymology</i> , 1986 , 129, 628-44	1.7	68
104	Serum albumin acts as a shuttle to enhance cholesterol efflux from cells. <i>Journal of Lipid Research</i> , 2013 , 54, 671-676	6.3	67
103	Contributions of the N- and C-terminal helical segments to the lipid-free structure and lipid interaction of apolipoprotein A-I. <i>Biochemistry</i> , 2006 , 45, 10351-8	3.2	67
102	Effects of polymorphism on the lipid interaction of human apolipoprotein E. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40723-9	5.4	66
101	Helix orientation of the functional domains in apolipoprotein e in discoidal high density lipoprotein particles. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14273-9	5.4	66
100	Cholesterol desorption from clusters of phosphatidylcholine and cholesterol in unilamellar vesicle bilayers during lipid transfer or exchange. <i>Biochemistry</i> , 1982 , 21, 4053-9	3.2	66
99	Characterization and properties of pre beta-HDL particles formed by ABCA1-mediated cellular lipid efflux to apoA-I. <i>Journal of Lipid Research</i> , 2008 , 49, 1006-14	6.3	65
98	Two-step mechanism of binding of apolipoprotein E to heparin: implications for the kinetics of apolipoprotein E-heparan sulfate proteoglycan complex formation on cell surfaces. <i>Journal of Biological Chemistry</i> , 2005 , 280, 5414-22	5.4	64
97	A human APOC3 missense variant and monoclonal antibody accelerate apoC-III clearance and lower triglyceride-rich lipoprotein levels. <i>Nature Medicine</i> , 2017 , 23, 1086-1094	50.5	63
96	Comparison of the stabilities and unfolding pathways of human apolipoprotein E isoforms by differential scanning calorimetry and circular dichroism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002 , 1584, 9-19	5	59
95	Apolipoprotein A-I helical structure and stability in discoidal high-density lipoprotein (HDL) particles by hydrogen exchange and mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11687-92	11.5	58
94	A quantitative analysis of apolipoprotein binding to SR-BI: multiple binding sites for lipid-free and lipid-associated apolipoproteins. <i>Journal of Lipid Research</i> , 2003 , 44, 1132-42	6.3	58
93	Characterization of the heparin binding sites in human apolipoprotein E. <i>Journal of Biological Chemistry</i> , 2003 , 278, 14782-7	5.4	57
92	Identification of an apolipoprotein A-I structural element that mediates cellular cholesterol efflux and stabilizes ATP binding cassette transporter A1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 24044-52	5.4	57
91	Influence of cholesterol on bilayers of ester- and ether-linked phospholipids. Permeability and ¹³ C-nuclear magnetic resonance measurements. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984 , 772, 117-26	3.8	55

90	Apolipoprotein E _{bw} density lipoprotein receptor interaction: influences of basic residue and amphipathic helix organization in the ligand. <i>Journal of Lipid Research</i> , 2000 , 41, 1087-1095	6.3	54
89	The surface properties of apolipoproteins A-I and A-II at the lipid/water interface. <i>Lipids and Lipid Metabolism</i> , 1989 , 1004, 300-8		52
88	Structural and functional consequences of the Milano mutation (R173C) in human apolipoprotein A-I. <i>Journal of Lipid Research</i> , 2009 , 50, 1409-19	6.3	51
87	Effects of lipid interaction on the lysine microenvironments in apolipoprotein E. <i>Journal of Biological Chemistry</i> , 2000 , 275, 34459-64	5.4	49
86	Studies of apolipoproteins at the air-water interface. <i>Methods in Enzymology</i> , 1986 , 128, 387-403	1.7	49
85	Mechanism underlying apolipoprotein E (ApoE) isoform-dependent lipid efflux from neural cells in culture. <i>Journal of Neuroscience Research</i> , 2009 , 87, 2498-508	4.4	48
84	Arg123-Tyr166 domain of human ApoA-I is critical for HDL-mediated inhibition of macrophage homing and early atherosclerosis in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 1977-83	9.4	48
83	A comparison of the surface activities of human apolipoproteins A-I and A-II at the air/water interface. <i>Lipids and Lipid Metabolism</i> , 1988 , 959, 229-37		48
82	Macrophage reverse cholesterol transport in mice expressing ApoA-I Milano. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1496-501	9.4	45
81	Packing of cholesterol molecules in human high-density lipoproteins. <i>Biochemistry</i> , 1984 , 23, 1130-8	3.2	45
80	Molecular mechanism of apolipoprotein E binding to lipoprotein particles. <i>Biochemistry</i> , 2009 , 48, 3025-32	9.2	44
79	Wild-type ApoA-I and the Milano variant have similar abilities to stimulate cellular lipid mobilization and efflux. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2022-9	9.4	43
78	Multiple plasma membrane receptors but not NPC1L1 mediate high-affinity, ezetimibe-sensitive cholesterol uptake into the intestinal brush border membrane. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 1140-7	5	42
77	Effects of enrichment of fibroblasts with unesterified cholesterol on the efflux of cellular lipids to apolipoprotein A-I. <i>Journal of Biological Chemistry</i> , 2002 , 277, 11811-20	5.4	42
76	Intestinal sterol absorption mediated by scavenger receptors is competitively inhibited by amphipathic peptides and proteins. <i>Biochemistry</i> , 2000 , 39, 12623-31	3.2	42
75	Influence of tertiary structure domain properties on the functionality of apolipoprotein A-I. <i>Biochemistry</i> , 2008 , 47, 2172-80	3.2	41
74	Conformational flexibility of the N-terminal domain of apolipoprotein a-I bound to spherical lipid particles. <i>Biochemistry</i> , 2008 , 47, 11340-7	3.2	41
73	Apolipoprotein A-I structural modification and the functionality of reconstituted high density lipoprotein particles in cellular cholesterol efflux. <i>Journal of Biological Chemistry</i> , 1996 , 271, 23792-8	5.4	41

72	Pathways by which reconstituted high-density lipoprotein mobilizes free cholesterol from whole body and from macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 526-32	9.4	40
71	Molecular basis for the differences in lipid and lipoprotein binding properties of human apolipoproteins E3 and E4. <i>Biochemistry</i> , 2010 , 49, 10881-9	3.2	40
70	Structural and metabolic consequences of liposome-lipoprotein interactions. <i>Advanced Drug Delivery Reviews</i> , 1998 , 32, 31-43	18.5	40
69	Contributions of the carboxyl-terminal helical segment to the self-association and lipoprotein preferences of human apolipoprotein E3 and E4 isoforms. <i>Biochemistry</i> , 2008 , 47, 2968-77	3.2	40
68	Effect of carboxyl-terminal truncation on structure and lipid interaction of human apolipoprotein E4. <i>Biochemistry</i> , 2006 , 45, 4240-7	3.2	40
67	Remodeling and shuttling. Mechanisms for the synergistic effects between different acceptor particles in the mobilization of cellular cholesterol. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 383-93	9.4	40
66	Structures of Aqueous Dispersions of Phosphatidylserine. <i>Journal of Biological Chemistry</i> , 1973 , 248, 8585-8591	5.4	40
65	Interaction between the N- and C-terminal domains modulates the stability and lipid binding of apolipoprotein A-I. <i>Biochemistry</i> , 2009 , 48, 2529-37	3.2	39
64	Apolipoprotein A-I-stimulated apolipoprotein E secretion from human macrophages is independent of cholesterol efflux. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25966-77	5.4	39
63	Hydrolysis of lipid monolayers and the substrate specificity of hepatic lipase. <i>Lipids and Lipid Metabolism</i> , 1986 , 876, 233-42		38
62	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
61	Molecular mechanisms responsible for the differential effects of apoE3 and apoE4 on plasma lipoprotein-cholesterol levels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 687-93	9.4	36
60	Influence of apolipoprotein (Apo) A-I structure on nascent high density lipoprotein (HDL) particle size distribution. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31965-73	5.4	36
59	Effects of membrane lipid composition on the kinetics of cholesterol exchange between lipoproteins and different species of red blood cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1027, 85-92	3.8	36
58	Molecular determinants of plasma cholesteryl ester transfer protein binding to high density lipoproteins. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11532-42	5.4	35
57	Robust passive and active efflux of cellular cholesterol to a designer functional mimic of high density lipoprotein. <i>Journal of Lipid Research</i> , 2015 , 56, 972-85	6.3	34
56	Influence of class B scavenger receptors on cholesterol flux across the brush border membrane and intestinal absorption. <i>Journal of Lipid Research</i> , 2009 , 50, 2235-44	6.3	34
55	Structural analysis of lipoprotein E particles. <i>Biochemistry</i> , 2005 , 44, 12525-34	3.2	34

54	Mechanisms responsible for the compositional heterogeneity of nascent high density lipoprotein. <i>Journal of Biological Chemistry</i> , 2013 , 288, 23150-60	5.4	32
53	Effect of the cholesterol content of reconstituted LpA-I on lecithin:cholesterol acyltransferase activity. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5151-7	5.4	32
52	Effect of the arrangement of tandem repeating units of class A amphipathic alpha-helices on lipid interaction. <i>Journal of Biological Chemistry</i> , 1995 , 270, 1602-11	5.4	32
51	Antimitogenic effects of HDL and APOE mediated by Cox-2-dependent IP activation. <i>Journal of Clinical Investigation</i> , 2004 , 113, 609-18	15.9	32
50	Dual role of an N-terminal amyloidogenic mutation in apolipoprotein A-I: destabilization of helix bundle and enhancement of fibril formation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 2848-56	5.4	31
49	Structure of human apolipoprotein A-IV: a distinct domain architecture among exchangeable apolipoproteins with potential functional implications. <i>Biochemistry</i> , 2004 , 43, 10719-29	3.2	31
48	The helical hydrophobic moments and surface activities of serum apolipoproteins. <i>Lipids and Lipid Metabolism</i> , 1983 , 754, 227-30		31
47	Efflux of newly synthesized cholesterol and biosynthetic sterol intermediates from cells. Dependence on acceptor type and on enrichment of cells with cholesterol. <i>Journal of Biological Chemistry</i> , 1995 , 270, 25037-46	5.4	30
46	Effects of polymorphism on the microenvironment of the LDL receptor-binding region of human apoE. <i>Journal of Lipid Research</i> , 2001 , 42, 894-901	6.3	30
45	Surface plasmon resonance analysis of the mechanism of binding of apoA-I to high density lipoprotein particles. <i>Journal of Lipid Research</i> , 2010 , 51, 606-17	6.3	29
44	Lipoprotein structure 2008 , 485-506		29
43	Reference Parameters for Protein Hydrogen Exchange Rates. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 1936-1939	3.5	28
42	Factors controlling nascent high-density lipoprotein particle heterogeneity: ATP-binding cassette transporter A1 activity and cell lipid and apolipoprotein AI availability. <i>FASEB Journal</i> , 2013 , 27, 2880-92	0.9	28
41	Helical structure, stability, and dynamics in human apolipoprotein E3 and E4 by hydrogen exchange and mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 968-973	11.5	27
40	The roles of C-terminal helices of human apolipoprotein A-I in formation of high-density lipoprotein particles. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 80-7	5	27
39	Influence of C-terminal helix hydrophobicity and aromatic amino acid content on apolipoprotein A-I functionality. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 456-63	5	27
38	Comparison of apoA-I helical structure and stability in discoidal and spherical HDL particles by HX and mass spectrometry. <i>Journal of Lipid Research</i> , 2013 , 54, 1589-1597	6.3	26
37	Interaction between the 35 kDa apolipoprotein of pulmonary surfactant and saturated phosphatidylcholines. Effects of temperature. <i>Lipids and Lipid Metabolism</i> , 1986 , 879, 1-13		26

36	Effects of apolipoproteins on the kinetics of cholesterol exchange. <i>Biochemistry</i> , 1991 , 30, 866-73	3.2	24
35	Dietary modification of high density lipoprotein phospholipid and influence on cellular cholesterol efflux. <i>Journal of Lipid Research</i> , 1998 , 39, 2065-2075	6.3	24
34	Effects of the Iowa and Milano mutations on apolipoprotein A-I structure and dynamics determined by hydrogen exchange and mass spectrometry. <i>Biochemistry</i> , 2012 , 51, 8993-9001	3.2	23
33	Role of the N- and C-terminal domains in binding of apolipoprotein E isoforms to heparan sulfate and dermatan sulfate: a surface plasmon resonance study. <i>Biochemistry</i> , 2008 , 47, 6702-10	3.2	23
32	Influence of apolipoprotein A-I domain structure on macrophage reverse cholesterol transport in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 320-7	9.4	22
31	Kinetic and thermodynamic analyses of spontaneous exchange between high-density lipoprotein-bound and lipid-free apolipoprotein A-I. <i>Biochemistry</i> , 2015 , 54, 1123-31	3.2	21
30	A comparison of the surface activities of rat plasma apolipoproteins C-II, C-III-0, C-III-3. <i>Lipids and Lipid Metabolism</i> , 1983 , 751, 470-3		21
29	Lipoproteins and cellular cholesterol homeostasis. <i>Sub-Cellular Biochemistry</i> , 1997 , 28, 235-76	5.5	21
28	ATP-Binding Cassette Transporter A1 Deficiency in Human Induced Pluripotent Stem Cell-Derived Hepatocytes Abrogates HDL Biogenesis and Enhances Triglyceride Secretion. <i>EBioMedicine</i> , 2017 , 18, 139-145	8.8	20
27	Influence of N-terminal helix bundle stability on the lipid-binding properties of human apolipoprotein A-I. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 25-30 ⁵		20
26	Disruption of the C-terminal helix by single amino acid deletion is directly responsible for impaired cholesterol efflux ability of apolipoprotein A-I Nichinan. <i>Journal of Lipid Research</i> , 2010 , 51, 809-18	6.3	20
25	Interaction of thioflavin T with amyloid fibrils of apolipoprotein A-I N-terminal fragment: resonance energy transfer study. <i>Journal of Structural Biology</i> , 2014 , 185, 116-24	3.4	19
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