Michael C Phillips

List of Publications by Year
in descending order

180 papers	19,212 citations	8749 75 h-index	11928 134 g-index
182 all docs	182 docs citations	182 times ranked	14269 citing authors

#	Article	IF	Citations
1	From noncoding variant to phenotype via SORT1 at the 1p13 cholesterol locus. Nature, 2010, 466, 714-719.	13.7	1,018
2	Cholesterol Efflux and Atheroprotection. Circulation, 2012, 125, 1905-1919.	1.6	772
3	Cellular Cholesterol Efflux Mediated by Cyclodextrins. Journal of Biological Chemistry, 1995, 270, 17250-17256.	1.6	723
4	Scavenger Receptor BI Promotes High Density Lipoprotein-mediated Cellular Cholesterol Efflux. Journal of Biological Chemistry, 1997, 272, 20982-20985.	1.6	626
5	Mechanisms and consequences of cellular cholesterol exchange and transfer. BBA - Biomembranes, 1987, 906, 223-276.	7.9	495
6	Importance of Different Pathways of Cellular Cholesterol Efflux. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 712-719.	1.1	460
7	Molecular Mechanisms of Cellular Cholesterol Efflux. Journal of Biological Chemistry, 2014, 289, 24020-24029.	1.6	449
8	Cell cholesterol efflux: integration of old and new observations provides new insights. Journal of Lipid Research, 1999, 40, 781-796.	2.0	436
9	Cholesterol transport between cells and high-density lipoproteins. Lipids and Lipid Metabolism, 1991, 1085, 273-298.	2.6	410
10	Cellular Cholesterol Efflux Mediated by Cyclodextrins. Journal of Biological Chemistry, 1996, 271, 16026-16034.	1.6	406
11	Mechanism of ATP-binding Cassette Transporter A1-mediated Cellular Lipid Efflux to Apolipoprotein A-I and Formation of High Density Lipoprotein Particles. Journal of Biological Chemistry, 2007, 282, 25123-25130.	1.6	300
12	Differences in Stability among the Human Apolipoprotein E Isoforms Determined by the Amino-Terminal Domainâ€. Biochemistry, 2000, 39, 11657-11666.	1.2	289
13	High-density lipoprotein heterogeneity and function in reverse cholesterol transport. Current Opinion in Lipidology, 2010, 21, 229-238.	1.2	281
14	The roles of different pathways in the release of cholesterol from macrophages. Journal of Lipid Research, 2007, 48, 2453-2462.	2.0	274
15	Scavenger Receptor Class B Type I as a Mediator of Cellular Cholesterol Efflux to Lipoproteins and Phospholipid Acceptors. Journal of Biological Chemistry, 1998, 273, 5599-5606.	1.6	265
16	Class B Scavenger Receptor-Mediated Intestinal Absorption of Dietary Î²-Carotene and Cholesterolâ€. Biochemistry, 2005, 44, 4517-4525.	1.2	259
17	Apolipoprotein E isoforms and lipoprotein metabolism. IUBMB Life, 2014, 66, 616-623.	1.5	236
18	Influence of molecular packing and phospholipid type on rates of cholesterol exchange. Biochemistry, 1988, 27, 3416-3423.	1.2	231

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19	Identification of a Receptor Mediating Absorption of Dietary Cholesterol in the Intestineâ€. Biochemistry, 1998, 37, 17843-17850.	1.2	231
20	High Density Lipoprotein Structureâ€"Function and Role in Reverse Cholesterol Transport. Sub-Cellular Biochemistry, 2010, 51, 183-227.	1.0	204
21	Effects of increasing hydrophobicity on the physical-chemical and biological properties of a class A amphipathic helical peptide. Journal of Lipid Research, 2001, 42, 1096-1104.	2.0	203
22	Efflux of cellular cholesterol and phospholipid to lipid-free apolipoproteins and class A amphipathic peptides. Biochemistry, 1995, 34, 7955-7965.	1.2	199
23	Scavenger receptor BI (SR-BI) mediates free cholesterol flux independently of HDL tethering to the cell surface. Journal of Lipid Research, 1999, 40, 575-580.	2.0	191
24	Hepatic sortilin regulates both apolipoprotein B secretion and LDL catabolism. Journal of Clinical Investigation, 2012, 122, 2807-2816.	3.9	190
25	Contributions of domain structure and lipid interaction to the functionality of exchangeable human apolipoproteins. Progress in Lipid Research, 2004, 43, 350-380.	5.3	187
26	Only the Two End Helixes of Eight Tandem Amphipathic Helical Domains of Human Apo A-I Have Significant Lipid Affinity. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 328-338.	1.1	177
27	A sensitive assay for ABCA1-mediated cholesterol efflux using BODIPY-cholesterol. Journal of Lipid Research, 2011, 52, 2332-2340.	2.0	176
28	Mechanism of Scavenger Receptor Class B Type I-mediated Selective Uptake of Cholesteryl Esters from High Density Lipoprotein to Adrenal Cells. Journal of Biological Chemistry, 1999, 274, 20344-20350.	1.6	172
29	Apolipoprotein-mediated Plasma Membrane Microsolubilization. Journal of Biological Chemistry, 1999, 274, 2021-2028.	1.6	170
30	Characterization of nascent HDL particles and microparticles formed by ABCA1-mediated efflux of cellular lipids to apoA-I. Journal of Lipid Research, 2006, 47, 832-843.	2.0	168
31	Increased Low-Density Lipoprotein Oxidation and Impaired High-Density Lipoprotein Antioxidant Defense Are Associated With Increased Macrophage Homing and Atherosclerosis in Dyslipidemic Obese Mice. Circulation, 2003, 107, 1640-1646.	1.6	166
32	Scavenger receptor BI and cholesterol trafficking. Current Opinion in Lipidology, 1999, 10, 329-340.	1.2	164
33	Domain Structure and Lipid Interaction in Human Apolipoproteins A-I and E, a General Model. Journal of Biological Chemistry, 2003, 278, 23227-23232.	1.6	161
34	Cardiovascular Protection by ApoE and ApoE-HDL Linked to Suppression of ECM Gene Expression and Arterial Stiffening. Cell Reports, 2012, 2, 1259-1271.	2.9	159
35	Ion-Binding to Phospholipids. Interaction of Calcium and Lanthanide Ions with Phosphatidylcholine (Lecithin). FEBS Journal, 1975, 58, 133-144.	0.2	157
36	New insights into the determination of HDL structure by apolipoproteins. Journal of Lipid Research, 2013, 54, 2034-2048.	2.0	149

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37	Kinetics of phosphatidylcholine and lysophosphatidylcholine exchange between unilamellar vesicles. Biochemistry, 1984, 23, 4624-4630.	1.2	144
38	Effects of acceptor composition and mechanism of ABCG1-mediated cellular free cholesterol efflux. Journal of Lipid Research, 2009, 50, 275-284.	2.0	144
39	The Effect of High Density Lipoprotein Phospholipid Acyl Chain Composition on the Efflux of Cellular Free Cholesterol. Journal of Biological Chemistry, 1995, 270, 5882-5890.	1.6	139
40	Helical structure and stability in human apolipoprotein A-I by hydrogen exchange and mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19005-19010.	3.3	139
41	Ion-Binding to Phospholipids. Interaction of Calcium with Phosphatidylserine. FEBS Journal, 1976, 62, 335-344.	0.2	137
42	Mechanism of the hepatic lipase-induced accumulation of high-density lipoprotein cholesterol by cells in culture. Biochemistry, 1985, 24, 3693-3701.	1.2	128
43	Apolipoprotein B-100 Conformation and Particle Surface Charge in Human LDL Subspecies:Â Implication for LDL Receptor Interactionâ€. Biochemistry, 1998, 37, 12867-12874.	1.2	124
44	CD36 Mediates Both Cellular Uptake of Very Long Chain Fatty Acids and Their Intestinal Absorption in Mice. Journal of Biological Chemistry, 2008, 283, 13108-13115.	1.6	124
45	Efflux of Cholesterol from Different Cellular Poolsâ€. Biochemistry, 2000, 39, 4508-4517.	1.2	123
46	ABCA1-Induced Cell Surface Binding Sites for ApoA-I. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1603-1609.	1.1	122
47	Is ABCA1 a lipid transfer protein?. Journal of Lipid Research, 2018, 59, 749-763.	2.0	122
48	Packing of cholesterol molecules in human low-density lipoprotein. Biochemistry, 1986, 25, 1562-1568.	1.2	120
49	Mechanisms of cholesterol-lowering effects of dietary insoluble fibres: relationships with intestinal and hepatic cholesterol parameters. British Journal of Nutrition, 2005, 94, 331-337.	1.2	120
50	Truncation of the Amino Terminus of Human Apolipoprotein A-I Substantially Alters Only the Lipid-Free Conformation. Biochemistry, 1997, 36, 288-300.	1.2	117
51	Effects of Acceptor Particle Size on the Efflux of Cellular Free Cholesterol. Journal of Biological Chemistry, 1995, 270, 17106-17113.	1.6	116
52	Effect of end group blockage on the properties of a class A amphipathic helical peptide. Proteins: Structure, Function and Bioinformatics, 1993, 15, 349-359.	1.5	115
53	Scavenger Receptor Class B, Type I-mediated Uptake of Various Lipids into Cells. Journal of Biological Chemistry, 2001, 276, 43801-43808.	1.6	115
54	Effects of Apolipoprotein A-I on ATP-binding Cassette Transporter A1-mediated Efflux of Macrophage Phospholipid and Cholesterol. Journal of Biological Chemistry, 2003, 278, 42976-42984.	1.6	111

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55	Lipid Binding-induced Conformational Change in Human Apolipoprotein E. Journal of Biological Chemistry, 2001, 276, 40949-40954.	1.6	106
56	Î±-Helix Formation Is Required for High Affinity Binding of Human Apolipoprotein A-I to Lipids. Journal of Biological Chemistry, 2004, 279, 20974-20981.	1.6	103
57	Binding and Cross-linking Studies Show That Scavenger Receptor BI Interacts with Multiple Sites in Apolipoprotein A-I and Identify the Class A Amphipathic Î±-Helix as a Recognition Motif. Journal of Biological Chemistry, 2000, 275, 18897-18904.	1.6	102
58	Effects of the Neutral Lipid Content of High Density Lipoprotein on Apolipoprotein A-I Structure and Particle Stability. Journal of Biological Chemistry, 1995, 270, 26910-26917.	1.6	101
59	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 Lipoproteinsâ€. Biochemistry, 2007, 46, 2583-2593.	1.2	99
60	Molecular packing of high-density and low-density lipoprotein surface lipids and apolipoprotein A-I binding. Biochemistry, 1989, 28, 1126-1133.	1.2	90
61	New Insights into the Heparan Sulfate Proteoglycan-binding Activity of Apolipoprotein E. Journal of Biological Chemistry, 2001, 276, 39138-39144.	1.6	89
62	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. Molecular Biology of the Cell, 2004, 15, 384-396.	0.9	89
63	A human APOC3 missense variant and monoclonal antibody accelerate apoC-III clearance and lower triglyceride-rich lipoprotein levels. Nature Medicine, 2017, 23, 1086-1094.	15.2	88
64	Influence of apoE domain structure and polymorphism on the kinetics of phospholipid vesicle solubilization. Journal of Lipid Research, 2002, 43, 1688-1700.	2.0	87
65	Serum albumin acts as a shuttle to enhance cholesterol efflux from cells. Journal of Lipid Research, 2013, 54, 671-676.	2.0	86
66	Induction of cellular cholesterol efflux to lipid-free apolipoprotein A-I by cAMP. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1999, 1438, 85-98.	1.2	84
67	Characterization and properties of preÎ²-HDL particles formed by ABCA1-mediated cellular lipid efflux to apoA-I. Journal of Lipid Research, 2008, 49, 1006-1014.	2.0	84
68	Scavenger Receptor Class B Type I-mediated Cholesteryl Ester-selective Uptake and Efflux of Unesterified Cholesterol. Journal of Biological Chemistry, 2004, 279, 12448-12455.	1.6	83
69	High density lipoprotein structure. Frontiers in Bioscience - Landmark, 2003, 8, d1044-1054.	3.0	82
70	Removal of cellular cholesterol by pre-Î²-HDL involves plasma membrane microsolubilization. Journal of Lipid Research, 1998, 39, 1918-1928.	2.0	81
71	Helix Orientation of the Functional Domains in Apolipoprotein E in Discoidal High Density Lipoprotein Particles. Journal of Biological Chemistry, 2004, 279, 14273-14279.	1.6	79
72	Reverse cholesterol transport. Methods in Enzymology, 1986, 129, 628-644.	0.4	78

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73	Cholesterol desorption from clusters of phosphatidylcholine and cholesterol in unilamellar vesicle bilayers during lipid transfer or exchange. Biochemistry, 1982, 21, 4053-4059.	1.2	76
74	Effects of lipid composition and packing on the adsorption of apolipoprotein A-I to lipid monolayers. Biochemistry, 1988, 27, 7155-7162.	1.2	76
75	Mechanisms of high density lipoprotein-mediated efflux of cholesterol from cell plasma membranes. Atherosclerosis, 1998, 137, S13-S17.	0.4	76
76	Effects of Polymorphism on the Lipid Interaction of Human Apolipoprotein E. Journal of Biological Chemistry, 2003, 278, 40723-40729.	1.6	76
77	Interaction of Apoprotein from Porcine High-Density Lipoprotein with Dimyristoyl Lecithin. 2. Nature of Lipid-Protein Interaction. FEBS Journal, 1976, 64, 549-563.	0.2	75
78	Cholesterol transfer from small and large unilamellar vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1984, 776, 21-26.	1.4	75
79	Studies of Synthetic Peptides of Human Apolipoprotein A-I Containing Tandem Amphipathic Î±-Helixes. Biochemistry, 1998, 37, 10313-10324.	1.2	75
80	Characterization of the Heparin Binding Sites in Human Apolipoprotein E. Journal of Biological Chemistry, 2003, 278, 14782-14787.	1.6	74
81	Two-step Mechanism of Binding of Apolipoprotein E to Heparin. Journal of Biological Chemistry, 2005, 280, 5414-5422.	1.6	73
82	Comparison of the stabilities and unfolding pathways of human apolipoprotein E isoforms by differential scanning calorimetry and circular dichroism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2002, 1584, 9-19.	1.2	72
83	Aromatic Residue Position on the Nonpolar Face of Class A Amphipathic Helical Peptides Determines Biological Activity. Journal of Biological Chemistry, 2004, 279, 26509-26517.	1.6	72
84	Influence of ApoA-I Structure on the ABCA1-mediated Efflux of Cellular Lipids. Journal of Biological Chemistry, 2004, 279, 49931-49939.	1.6	71
85	Contributions of the N- and C-Terminal Helical Segments to the Lipid-Free Structure and Lipid Interaction of Apolipoprotein A-Iâ€. Biochemistry, 2006, 45, 10351-10358.	1.2	69
86	Apolipoprotein A-I helical structure and stability in discoidal high-density lipoprotein (HDL) particles by hydrogen exchange and mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11687-11692.	3.3	69
87	Mechanism underlying apolipoprotein E (ApoE) isoformâ€dependent lipid efflux from neural cells in culture. Journal of Neuroscience Research, 2009, 87, 2498-2508.	1.3	67
88	A quantitative analysis of apolipoprotein binding to SR-BI: multiple binding sites for lipid-free and lipid-associated apolipoproteins. Journal of Lipid Research, 2003, 44, 1132-1142.	2.0	63
89	Identification of an Apolipoprotein A-I Structural Element That Mediates Cellular Cholesterol Efflux and Stabilizes ATP Binding Cassette Transporter A1. Journal of Biological Chemistry, 2004, 279, 24044-24052.	1.6	62
90	Apolipoprotein Eâ€"low density lipoprotein receptor interaction: influences of basic residue and amphipathic Î±-helix organization in the ligand. Journal of Lipid Research, 2000, 41, 1087-1095.	2.0	62

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91	Reference Parameters for Protein Hydrogen Exchange Rates. Journal of the American Society for Mass Spectrometry, 2018, 29, 1936-1939.	1.2	61
92	Influence of cholesterol on bilayers of ester- and ether-linked phospholipids Permeability and 13C-nuclear magnetic resonance measurements. Biochimica Et Biophysica Acta - Biomembranes, 1984, 772, 117-126.	1.4	60
93	Structural and functional consequences of the Milano mutation (R173C) in human apolipoprotein A-I. Journal of Lipid Research, 2009, 50, 1409-1419.	2.0	59
94	Molecular Basis for the Differences in Lipid and Lipoprotein Binding Properties of Human Apolipoproteins E3 and E4. Biochemistry, 2010, 49, 10881-10889.	1.2	56
95	The surface properties of apolipoproteins A-I and A-II at the lipid/water interface. Lipids and Lipid Metabolism, 1989, 1004, 300-308.	2.6	54
96	A consensus model of human apolipoprotein A-I in its monomeric and lipid-free state. Nature Structural and Molecular Biology, 2017, 24, 1093-1099.	3.6	54
97	[22] Studies of apolipoproteins at the air-water interface. Methods in Enzymology, 1986, 128, 387-403.	0.4	53
98	A comparison of the surface activities of human apolipoproteins A-I and A-II at the air/water interface. Lipids and Lipid Metabolism, 1988, 959, 229-237.	2.6	53
99	Macrophage Reverse Cholesterol Transport in Mice Expressing ApoA-I Milano. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1496-1501.	1.1	53
100	Effects of Lipid Interaction on the Lysine Microenvironments in Apolipoprotein E. Journal of Biological Chemistry, 2000, 275, 34459-34464.	1.6	51
101	Contributions of the Carboxyl-Terminal Helical Segment to the Self-Association and Lipoprotein Preferences of Human Apolipoprotein E3 and E4 Isoforms. Biochemistry, 2008, 47, 2968-2977.	1.2	51
102	Arg123-Tyr166 Domain of Human ApoA-I Is Critical for HDL-Mediated Inhibition of Macrophage Homing and Early Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1977-1983.	1.1	50
103	Molecular Mechanism of Apolipoprotein E Binding to Lipoprotein Particles. Biochemistry, 2009, 48, 3025-3032.	1.2	50
104	Molecular Mechanisms Responsible for the Differential Effects of ApoE3 and ApoE4 on Plasma Lipoproteinâ€“Cholesterol Levels. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 687-693.	1.1	50
105	Multiple plasma membrane receptors but not NPC1L1 mediate high-affinity, ezetimibe-sensitive cholesterol uptake into the intestinal brush border membrane. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 1140-1147.	1.2	49
106	Conformational Flexibility of the N-Terminal Domain of Apolipoprotein A-I Bound to Spherical Lipid Particles. Biochemistry, 2008, 47, 11340-11347.	1.2	47
107	Structures of Aqueous Dispersions of Phosphatidylserine. Journal of Biological Chemistry, 1973, 248, 8585-8591.	1.6	47
108	Packing of cholesterol molecules in human high-density lipoproteins. Biochemistry, 1984, 23, 1130-1138.	1.2	46

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109	Apolipoprotein A-I Structural Modification and the Functionality of Reconstituted High Density Lipoprotein Particles in Cellular Cholesterol Efflux. Journal of Biological Chemistry, 1996, 271, 23792-23798.	1.6	46
110	Intestinal Sterol Absorption Mediated by Scavenger Receptors Is Competitively Inhibited by Amphipathic Peptides and Proteinsâ€. Biochemistry, 2000, 39, 12623-12631.	1.2	46
111	Wild-Type ApoA-I and the Milano Variant Have Similar Abilities to Stimulate Cellular Lipid Mobilization and Efflux. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2022-2029.	1.1	46
112	Effects of membrane lipid composition on the kinetics of cholesterol exchange between lipoproteins and different species of red blood cells. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1027, 85-92.	1.4	45
113	Effects of Enrichment of Fibroblasts with Unesterified Cholesterol on the Efflux of Cellular Lipids to Apolipoprotein A-I. Journal of Biological Chemistry, 2002, 277, 11811-11820.	1.6	45
114	Remodeling and Shuttling. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 383-393.	1.1	45
115	Hydrolysis of lipid monolayers and the substrate specificity of hepatic lipase. Lipids and Lipid Metabolism, 1986, 876, 233-242.	2.6	44
116	Structural and metabolic consequences of liposomeâ€"lipoprotein interactions. Advanced Drug Delivery Reviews, 1998, 32, 31-43.	6.6	43
117	Influence of Apolipoprotein (Apo) A-I Structure on Nascent High Density Lipoprotein (HDL) Particle Size Distribution. Journal of Biological Chemistry, 2010, 285, 31965-31973.	1.6	43
118	Effect of Carboxyl-Terminal Truncation on Structure and Lipid Interaction of Human Apolipoprotein E4â€. Biochemistry, 2006, 45, 4240-4247.	1.2	42
119	Influence of Tertiary Structure Domain Properties on the Functionality of Apolipoprotein A-Iâ€. Biochemistry, 2008, 47, 2172-2180.	1.2	42
120	Interaction between the N- and C-Terminal Domains Modulates the Stability and Lipid Binding of Apolipoprotein A-I. Biochemistry, 2009, 48, 2529-2537.	1.2	41
121	Pathways by Which Reconstituted High-Density Lipoprotein Mobilizes Free Cholesterol From Whole Body and From Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 526-532.	1.1	41
122	Antimitogenic effects of HDL and APOE mediated by Cox-2â€"dependent IP activation. Journal of Clinical Investigation, 2004, 113, 609-618.	3.9	41
123	Molecular Determinants of Plasma Cholesteryl Ester Transfer Protein Binding to High Density Lipoproteins. Journal of Biological Chemistry, 1995, 270, 11532-11542.	1.6	40
124	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
125	Structural Analysis of Lipoprotein E Particlesâ€. Biochemistry, 2005, 44, 12525-12534.	1.2	39
126	Robust passive and active efflux of cellular cholesterol to a designer functional mimic of high density lipoprotein. Journal of Lipid Research, 2015, 56, 972-985.	2.0	39

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127	Helical structure, stability, and dynamics in human apolipoprotein E3 and E4 by hydrogen exchange and mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 968-973.	3.3	38
128	Influence of class B scavenger receptors on cholesterol flux across the brush border membrane and intestinal absorption. Journal of Lipid Research, 2009, 50, 2235-2244.	2.0	37
129	Dual Role of an N-terminal Amyloidogenic Mutation in Apolipoprotein A-I. Journal of Biological Chemistry, 2013, 288, 2848-2856.	1.6	37
130	Effect of the Cholesterol Content of Reconstituted LpA-I on Lecithin:Cholesterol Acyltransferase Activity. Journal of Biological Chemistry, 1995, 270, 5151-5157.	1.6	35
131	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. Biochemistry, 2008, 47, 6702-6710.	1.2	35
132	Surface plasmon resonance analysis of the mechanism of binding of apoA-I to high density lipoprotein particles. Journal of Lipid Research, 2010, 51, 606-617.	2.0	35
133	Mechanisms Responsible for the Compositional Heterogeneity of Nascent High Density Lipoprotein. Journal of Biological Chemistry, 2013, 288, 23150-23160.	1.6	35
134	Lipoprotein structure. , 2008, , 485-506.		34
135	Effects of polymorphism on the microenvironment of the LDL receptor-binding region of human apoE. Journal of Lipid Research, 2001, 42, 894-901.	2.0	34
136	The helical hydrophobic moments and surface activities of serum apolipoproteins. Lipids and Lipid Metabolism, 1983, 754, 227-230.	2.6	33
137	Structure of Human Apolipoprotein A-IV:â€‰ A Distinct Domain Architecture among Exchangeable Apolipoproteins with Potential Functional Implications. Biochemistry, 2004, 43, 10719-10729.	1.2	33
138	Effect of the Arrangement of Tandem Repeating Units of Class A Amphipathic Î±-Helixes on Lipid Interaction. Journal of Biological Chemistry, 1995, 270, 1602-1611.	1.6	32
139	Efflux of Newly Synthesized Cholesterol and Biosynthetic Sterol Intermediates from Cells. Journal of Biological Chemistry, 1995, 270, 25037-25046.	1.6	32
140	Comparison of apoA-I helical structure and stability in discoidal and spherical HDL particles by HX and mass spectrometry. Journal of Lipid Research, 2013, 54, 1589-1597.	2.0	30
141	Influence of C-terminal Î±-helix hydrophobicity and aromatic amino acid content on apolipoprotein A-I functionality. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 456-463.	1.2	29
142	Factors controlling nascent highâ€density lipoprotein particle heterogeneity: ATPâ€binding cassette transporter A1 activity and cell lipid and apolipoprotein AI availability. FASEB Journal, 2013, 27, 2880-2892.	0.2	29
143	The roles of C-terminal helices of human apolipoprotein A-I in formation of high-density lipoprotein particles. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 80-87.	1.2	28
144	Interaction between the 35 kDa apolipoprotein of pulmonary surfactant and saturated phosphatidylcholines. Effects of temperature. Lipids and Lipid Metabolism, 1986, 879, 1-13.	2.6	27

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145	Effects of apolipoproteins on the kinetics of cholesterol exchange. Biochemistry, 1991, 30, 866-873.	1.2	27
146	Dietary modification of high density lipoprotein phospholipid and influence on cellular cholesterol efflux. Journal of Lipid Research, 1998, 39, 2065-2075.	2.0	27
147	Influence of Apolipoprotein A-I Domain Structure on Macrophage Reverse Cholesterol Transport in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 320-327.	1.1	25
148	Effects of the Iowa and Milano Mutations on Apolipoprotein A-I Structure and Dynamics Determined by Hydrogen Exchange and Mass Spectrometry. Biochemistry, 2012, 51, 8993-9001.	1.2	25
149	Apolipoprotein E-mediated cell cycle arrest linked to p27 and the Cox2-dependent repression of miR221/222. Atherosclerosis, 2013, 227, 65-71.	0.4	25
150	A comparison of the surface activities of rat plasma apolipoproteins C-II, C-III-0, C-III-3. Lipids and Lipid Metabolism, 1983, 751, 470-473.	2.6	24
151	Interaction of Thioflavin T with amyloid fibrils of apolipoprotein A-I N-terminal fragment: Resonance energy transfer study. Journal of Structural Biology, 2014, 185, 116-124.	1.3	23
152	Kinetic and Thermodynamic Analyses of Spontaneous Exchange between High-Density Lipoprotein-Bound and Lipid-Free Apolipoprotein A-I. Biochemistry, 2015, 54, 1123-1131.	1.2	23
153	ATP-Binding Cassette Transporter A1 Deficiency in Human Induced Pluripotent Stem Cell-Derived Hepatocytes Abrogates HDL Biogenesis and Enhances Triglyceride Secretion. EBioMedicine, 2017, 18, 139-145.	2.7	23
154	Disruption of the C-terminal helix by single amino acid deletion is directly responsible for impaired cholesterol efflux ability of apolipoprotein A-I Nichinan. Journal of Lipid Research, 2010, 51, 809-818.	2.0	22
155	Influence of N-terminal helix bundle stability on the lipid-binding properties of human apolipoprotein A-I. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 25-30.	1.2	22
156	Interactions of Apolipoprotein A-I with High-Density Lipoprotein Particles. Biochemistry, 2013, 52, 1963-1972.	1.2	22
157	Lipoproteins and Cellular Cholesterol Homeostasis. Sub-Cellular Biochemistry, 1997, 28, 235-276.	1.0	22
158	Physical state of cholesteryl esters deposited in cultured macrophages. Biochemistry, 1988, 27, 3640-3646.	1.2	21
159	The uptake of cholesterol at the small-intestinal brush border membrane is inhibited by apolipoproteins. FEBS Letters, 1997, 411, 7-11.	1.3	21
160	Fluorescence Analysis of the Lipid Binding-Induced Conformational Change of Apolipoprotein E4. Biochemistry, 2012, 51, 5580-5588.	1.2	21
161	Influence of Domain Stability on the Properties of Human Apolipoprotein E3 and E4 and Mouse Apolipoprotein E. Biochemistry, 2014, 53, 4025-4033.	1.2	21
162	Directional ABCA1-mediated cholesterol efflux and apoB-lipoprotein secretion in the retinal pigment epithelium. Journal of Lipid Research, 2018, 59, 1927-1939.	2.0	21

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