

David Atkinson

List of Publications by Year in descending order

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58
papers

2,707
citations

136885

32
h-index

175177

52
g-index

58
all docs

58
docs citations

58
times ranked

1451
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase behavior and bilayer properties of fatty acids: hydrated 1:1 acid-soaps. <i>Biochemistry</i> , 1986, 25, 2804-2812.	1.2	195
2	Thermal unfolding of human high-density apolipoprotein A-1: implications for a lipid-free molten globular state.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 2991-2995.	3.3	178
3	Crystal Structure of C-terminal Truncated Apolipoprotein A-I Reveals the Assembly of High Density Lipoprotein (HDL) by Dimerization. <i>Journal of Biological Chemistry</i> , 2011, 286, 38570-38582.	1.6	169
4	Conformational analysis of apolipoprotein A-I and E-3 based on primary sequence and circular dichroism. <i>Biophysical Journal</i> , 1992, 63, 1221-1239.	0.2	163
5	Recombinant Lipoproteins: Implications for Structure and Assembly of Native Lipoproteins. <i>Annual Review of Biophysics and Biophysical Chemistry</i> , 1986, 15, 403-456.	12.2	160
6	Studies on the Structure of Low Density Lipoproteins Isolated from Macaca Fascicularis Fed an Atherogenic Diet. <i>Journal of Clinical Investigation</i> , 1978, 62, 1354-1363.	3.9	132
7	Structure of human plasma low-density lipoproteins: molecular organization of the central core.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1977, 74, 1042-1046.	3.3	121
8	Interaction of Apoprotein from Porcine High-Density Lipoprotein with Dimyristoyl Lecithin. 1. The Structure of the Complexes. <i>FEBS Journal</i> , 1976, 64, 541-547.	0.2	90
9	Interaction of Apoprotein from Porcine High-Density Lipoprotein with Dimyristoyl Lecithin. 2. Nature of Lipid-Protein Interaction. <i>FEBS Journal</i> , 1976, 64, 549-563.	0.2	75
10	Small-angle X-ray scattering of human serum high-density lipoproteins. <i>Journal of Supramolecular Structure</i> , 1972, 1, 98-104.	2.3	73
11	Synthesis and polymorphism of 1,2-dipalmitoyl-3-acyl-sn-glycerols. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 1984, 61, 1078-1084.	0.8	69
12	Physical properties of cholesteryl esters. <i>Progress in Lipid Research</i> , 1984, 23, 135-167.	5.3	69
13	X-ray scattering of vesicles of N-acyl sphingomyelins. Determination of bilayer thickness. <i>Biophysical Journal</i> , 1986, 50, 1071-1077.	0.2	69
14	The Crystal Structure of the C-Terminal Truncated Apolipoprotein A-I Sheds New Light on Amyloid Formation by the N-Terminal Fragment. <i>Biochemistry</i> , 2012, 51, 10-18.	1.2	66
15	Solubilization of low-density lipoprotein with sodium deoxycholate and recombination of apoprotein B with dimyristoylphosphatidylcholine. <i>Biochemistry</i> , 1983, 22, 3170-3178.	1.2	54
16	Lipid-Binding Studies of Human Apolipoprotein A-I and Its Terminally Truncated Mutants. <i>Biochemistry</i> , 2003, 42, 13260-13268.	1.2	54
17	Lipid-free Apolipoprotein A-I Structure: Insights into HDL Formation and Atherosclerosis Development. <i>Archives of Medical Research</i> , 2015, 46, 351-360.	1.5	54
18	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.	3.6	54

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19	X-RAY AND NEUTRON SCATTERING STUDIES OF PLASMA LIPOPROTEINS. <i>Annals of the New York Academy of Sciences</i> , 1980, 348, 284-298.	1.8	49
20	Structure and Stability of Apolipoprotein A-I in Solution and in Discoidal High-Density Lipoprotein Probed by Double Charge Ablation and Deletion Mutation. <i>Biochemistry</i> , 2006, 45, 1242-1254.	1.2	48
21	High- and low-temperature unfolding of human high-density apolipoprotein A ₂ . <i>Protein Science</i> , 1996, 5, 1874-1882.	3.1	46
22	Cryoelectron microscopy of low density lipoprotein in vitreous ice. <i>Biophysical Journal</i> , 1995, 68, 2115-2123.	0.2	45
23	Probing the Lipid-Free Structure and Stability of Apolipoprotein A-I by Mutation. <i>Biochemistry</i> , 2000, 39, 15910-15919.	1.2	45
24	Amyloidogenic mutations in human apolipoprotein A-I are not necessarily destabilizing – a common mechanism of apolipoprotein A-I misfolding in familial amyloidosis and atherosclerosis. <i>FEBS Journal</i> , 2014, 281, 2525-2542.	2.2	44
25	Lipid-Free Structure and Stability of Apolipoprotein A-I: Probing the Central Region by Mutation. <i>Biochemistry</i> , 2002, 41, 10529-10539.	1.2	42
26	Thermodynamic Analysis of Human Plasma Apolipoprotein C-1: High-Temperature Unfolding and Low-Temperature Oligomer Dissociation. <i>Biochemistry</i> , 1998, 37, 1283-1291.	1.2	37
27	Reconstituting Initial Events during the Assembly of Apolipoprotein B-Containing Lipoproteins in a Cell-Free System. <i>Journal of Molecular Biology</i> , 2008, 383, 1181-1194.	2.0	37
28	Structural Studies of N- and C-Terminally Truncated Human Apolipoprotein A-I. <i>Biochemistry</i> , 2003, 42, 6881-6890.	1.2	36
29	Structure and polymorphism of 1,2-dioleoyl-3-acyl-sn-glycerols. Three- and six-layered structures. <i>Biochemistry</i> , 1985, 24, 3757-3764.	1.2	35
30	Synthesis and polymorphism of 3-acyl-sn-glycerols. <i>Biochemistry</i> , 1985, 24, 519-525.	1.2	35
31	Conformation and Lipid Binding of the N-Terminal (1-44) Domain of Human Apolipoprotein A-I. <i>Biochemistry</i> , 2004, 43, 13156-13164.	1.2	33
32	Interfacial Properties of an Amphipathic α -Helix Consensus Peptide of Exchangeable Apolipoproteins at Air/Water and Oil/Water Interfaces. <i>Journal of Biological Chemistry</i> , 2003, 278, 37480-37491.	1.6	32
33	Conformation and Lipid Binding of a C-Terminal (198-243) Peptide of Human Apolipoprotein A-I. <i>Biochemistry</i> , 2007, 46, 1624-1634.	1.2	31
34	The Interfacial Properties of ApoA-I and an Amphipathic α -Helix Consensus Peptide of Exchangeable Apolipoproteins at the Triolein/Water Interface. <i>Journal of Biological Chemistry</i> , 2005, 280, 4154-4165.	1.6	23
35	N-terminal mutation of apoA-I and interaction with ABCA1 reveal mechanisms of nascent HDL biogenesis. <i>Journal of Lipid Research</i> , 2019, 60, 44-57.	2.0	21
36	Structural basis for distinct functions of the naturally occurring Cys mutants of human apolipoprotein A-I. <i>Journal of Lipid Research</i> , 2013, 54, 3244-3257.	2.0	20

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37	Probing the C-terminal domain of lipid-free apoA-I demonstrates the vital role of the H10B sequence repeat in HDL formation. <i>Journal of Lipid Research</i> , 2016, 57, 1507-1517.	2.0	20
38	The Interfacial Properties of ApoA-I and an Amphipathic α -Helix Consensus Peptide of Exchangeable Apolipoproteins at the Triolein/Water Interface. <i>Journal of Biological Chemistry</i> , 2005, 280, 4154-4165.	1.6	19
39	Human LDL core cholesterol ester packing: three-dimensional image reconstruction and SAXS simulation studies. <i>Journal of Lipid Research</i> , 2011, 52, 256-262.	2.0	19
40	The N-Terminal (1 α ~44) and C-Terminal (198 α ~243) Peptides of Apolipoprotein A-I Behave Differently at the Triolein/Water Interface. <i>Biochemistry</i> , 2007, 46, 12140-12151.	1.2	17
41	Surface behavior of apolipoprotein A-I and its deletion mutants at model lipoprotein interfaces. <i>Journal of Lipid Research</i> , 2014, 55, 478-492.	2.0	16
42	[33] Reassembly of low-density lipoproteins. <i>Methods in Enzymology</i> , 1986, 128, 582-608.	0.4	15
43	Enhancing the Contrast of ApoB to Locate the Surface Components in the 3D Density Map of Human LDL. <i>Journal of Molecular Biology</i> , 2011, 405, 274-283.	2.0	15
44	MOLECULAR PACKING IN TRIACYL-<u>sn</u>-GLYCEROLS: INFLUENCES OF ACYL CHAIN LENGTH AND UNSATURATION. <i>Journal of Dispersion Science and Technology</i> , 1989, 10, 393-440.	1.3	14
45	Biophysical Properties of Apolipoprotein E4 Variants: Implications in Molecular Mechanisms of Correction of Hypertriglyceridemia. <i>Biochemistry</i> , 2008, 47, 12644-12654.	1.2	14
46	Arginine 123 of apolipoprotein A-I is essential for lecithin:cholesterol acyltransferase activity. <i>Journal of Lipid Research</i> , 2018, 59, 348-356.	2.0	14
47	Immuno-electron cryo-microscopy imaging reveals a looped topology of apoB at the surface of human LDL. <i>Journal of Lipid Research</i> , 2011, 52, 1111-1116.	2.0	13
48	Binding of human apoA-I[K107del] variant to TG-rich particles: implications for mechanisms underlying hypertriglyceridemia. <i>Journal of Lipid Research</i> , 2014, 55, 1876-1885.	2.0	9
49	Enhanced Binding of Apolipoprotein A-I Variants Associated with Hypertriglyceridemia to Triglyceride-Rich Particles. <i>Biochemistry</i> , 2011, 50, 2040-2047.	1.2	7
50	Apolipoprotein structure: crystal and models. <i>Current Opinion in Structural Biology</i> , 1992, 2, 482-489.	2.6	5
51	Structural Studies of Plasma Lipoproteins. , 1984, 27, 211-226.		3
52	Conformation and stability properties of B17: I. Analytical investigations using circular dichroism. <i>European Biophysics Journal</i> , 2012, 41, 639-646.	1.2	2
53	Conformation and stability properties of B17: II. Analytical investigations using differential scanning calorimetry. <i>European Biophysics Journal</i> , 2013, 42, 309-314.	1.2	1
54	Novel Cocrystallization of Apolipoprotein A α with Butyric Acid. <i>FASEB Journal</i> , 2021, 35, .	0.2	0

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55	Probing the Structure and Function of ApoAâ€™s Câ€™terminal Domain during HDL Formation. FASEB Journal, 2013, 27, 1023.1.	0.2	0
56	Probing molecular mechanism of destabilization and misfolding of human apolipoprotein Aâ€™ in familial amyloidosis. FASEB Journal, 2013, 27, 996.4.	0.2	0
57	Secondary and Tertiary Structure of Apolipoproteins. Advances in Experimental Medicine and Biology, 1988, 243, 123-132.	0.8	0
58	Increased Binding of Apolipoproteins A-I and E4 to Triglyceride-Rich Lipoproteins is linked to Induction of Hypertriglyceridemia. , 2017, 2, .		0