Friedhelm Schroeder

List of Publications by Year
in descending order

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222 papers	11,351 citations	20797 60 h-index	45285 90 g-index
224 all docs	224 docs citations	224 times ranked	6148 citing authors

#	Article	IF	Citations
1	Cellular uptake and intracellular trafficking of long chain fatty acids. Journal of Lipid Research, 1999, 40, 1371-1383.	2.0	322
2	Membrane Cholesterol Dynamics: Cholesterol Domains and Kinetic Pools. Experimental Biology and Medicine, 1991, 196, 235-252.	1.1	230
3	Role of Fatty Acid Binding Proteins and Long Chain Fatty Acids in Modulating Nuclear Receptors and Gene Transcription. Lipids, 2008, 43, 1-17.	0.7	212
4	Gene structure, intracellular localization, and functional roles of sterol carrier protein-2. Progress in Lipid Research, 2001, 40, 498-563.	5.3	204
5	Liver fatty acid-binding protein and obesity. Journal of Nutritional Biochemistry, 2010, 21, 1015-1032.	1.9	180
6	Decreased Liver Fatty Acid Binding Capacity and Altered Liver Lipid Distribution in Mice Lacking the Liver Fatty Acid-binding Protein Gene. Journal of Biological Chemistry, 2003, 278, 21429-21438.	1.6	150
7	Peroxisome Proliferator-activated Receptor Î± Interacts with High Affinity and Is Conformationally Responsive to Endogenous Ligands. Journal of Biological Chemistry, 2005, 280, 18667-18682.	1.6	148
8	Increasing Age Alters Transbilayer Fluidity and Cholesterol Asymmetry in Synaptic Plasma Membranes of Mice. Journal of Neurochemistry, 1996, 66, 1717-1725.	2.1	140
9	Brain membrane cholesterol domains, aging and amyloid beta-peptides. Neurobiology of Aging, 2002, 23, 685-694.	1.5	139
10	Acyl-CoA binding proteins: Multiplicity and function. Lipids, 1996, 31, 895-918.	0.7	136
11	Role of membrane lipid asymmetry in aging. Neurobiology of Aging, 1984, 5, 323-333.	1.5	132
12	Liver fatty acid-binding protein expression in transfected fibroblasts stimulates fatty acid uptake and metabolism. Lipids and Lipid Metabolism, 1996, 1301, 191-198.	2.6	130
13	Liver Fatty Acid-binding Protein Targets Fatty Acids to the Nucleus. Journal of Biological Chemistry, 2002, 277, 29139-29151.	1.6	130
14	Sterol Carrier Protein-2, a New Fatty Acyl Coenzyme A-binding Protein. Journal of Biological Chemistry, 1996, 271, 31878-31884.	1.6	129
15	Recent Advances in Membrane Microdomains: Rafts, Caveolae, and Intracellular Cholesterol Trafficking. Experimental Biology and Medicine, 2001, 226, 873-890.	1.1	128
16	Recent Advances in Membrane Cholesterol Domain Dynamics and Intracellular Cholesterol Trafficking. Experimental Biology and Medicine, 1996, 213, 150-177.	1.1	125
17	Interaction of fatty acids with recombinant rat intestinal and liver fatty acid-binding proteins. Archives of Biochemistry and Biophysics, 1991, 286, 300-309.	1.4	124
18	Transmembrane distribution of sterol in the human erythrocyte. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1066, 183-192.	1.4	123

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19	Intestinal and liver fatty acid binding proteins differentially affect fatty acid uptake and esterification in L-cells. Lipids, 1995, 30, 907-910.	0.7	122
20	Cholesterol domains in biological membranes. Molecular Membrane Biology, 1995, 12, 113-119.	2.0	121
21	Fatty acid binding protein isoforms: structure and function. Chemistry and Physics of Lipids, 1998, 92, 1-25.	1.5	121
22	L-FABP directly interacts with PPARÎ± in cultured primary hepatocytes. Journal of Lipid Research, 2009, 50, 1663-1675.	2.0	119
23	Steroidogenic Acute Regulatory Protein Binds Cholesterol and Modulates Mitochondrial Membrane Sterol Domain Dynamics. Journal of Biological Chemistry, 2001, 276, 36970-36982.	1.6	117
24	Aminophospholipid Asymmetry in Murine Synaptosomal Plasma Membrane. Journal of Neurochemistry, 1980, 34, 269-277.	2.1	114
25	Recent advances in brain cholesterol dynamics: Transport, domains, and Alzheimer's disease. Lipids, 1999, 34, 225-234.	0.7	114
26	Water-Soluble Through-Bond Energy Transfer Cassettes for Intracellular Imaging. Journal of the American Chemical Society, 2006, 128, 10688-10689.	6.6	114
27	High Density Lipoprotein-mediated Cholesterol Uptake and Targeting to Lipid Droplets in Intact L-cell Fibroblasts. Journal of Biological Chemistry, 2000, 275, 12769-12780.	1.6	112
28	Probing the Ligand Binding Sites of Fatty Acid and Sterol Carrier Proteins: Effects of Ethanol. Biochemistry, 1995, 34, 11919-11927.	1.2	111
29	Asymmetric Transbilayer Distribution of Sterol across Plasma Membranes Determined by Fluorescence Quenching of Dehydroergosterol. FEBS Journal, 1982, 122, 649-661.	0.2	105
30	A fluorescence study of dehydroergosterol in phosphatidylcholine bilayer vesicles. Biochemistry, 1987, 26, 2441-2448.	1.2	100
31	Fatty Acid Binding Protein: Stimulation of Microsomal Phosphatidic Acid Formation. Archives of Biochemistry and Biophysics, 1997, 341, 112-121.	1.4	100
32	Isoforms of Rat Liver Fatty Acid Binding Protein Differ in Structure and Affinity for Fatty Acids and Fatty Acyl CoAsâ€. Biochemistry, 1997, 36, 6545-6555.	1.2	97
33	Î”5,7,9(11)-cholestatrien-3Î²-ol: A fluorescent cholesterol analogue. Chemistry and Physics of Lipids, 1984, 36, 1-14.	1.5	94
34	Liver Fatty Acid-Binding Protein Colocalizes with Peroxisome Proliferator Activated Receptor Î± and Enhances Ligand Distribution to Nuclei of Living Cellsâ€. Biochemistry, 2004, 43, 2484-2500.	1.2	94
35	Amyloid Î²â€Peptides Increase Annular and Bulk Fluidity and Induce Lipid Peroxidation in Brain Synaptic Plasma Membranes. Journal of Neurochemistry, 1997, 68, 2086-2091.	2.1	92
36	Liver Fatty Acid-binding Protein Gene Ablation Inhibits Branched-chain Fatty Acid Metabolism in Cultured Primary Hepatocytes. Journal of Biological Chemistry, 2004, 279, 30954-30965.	1.6	91

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37	Very-Long-Chain and Branched-Chain Fatty Acyl-CoAs Are High Affinity Ligands for the Peroxisome Proliferator-Activated Receptor Î± (PPARÎ±). Biochemistry, 2006, 45, 7669-7681.	1.2	86
38	Expression and intracellular processing of the 58 kDa sterol carrier protein-2/3-oxoacyl-CoA thiolase in transfected mouse L-cell fibroblasts. Journal of Lipid Research, 1999, 40, 610-622.	2.0	85
39	Transbilayer effects of ethanol on fluidity of brain membrane leaflets. Biochimica Et Biophysica Acta - Biomembranes, 1988, 946, 85-94.	1.4	80
40	Asymmetric distribution of a fluorescent sterol in synaptic plasma membranes: effects of chronic ethanol consumption. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1025, 243-246.	1.4	80
41	Expression of fatty acid binding proteins inhibits lipid accumulation and alters toxicity in L cell fibroblasts. American Journal of Physiology - Cell Physiology, 2002, 283, C688-C703.	2.1	79
42	Fluorescence of .DELTA.5,7,9(11),22-ergostatetraen-3.beta.-ol in micelles, sterol carrier protein complexes, and plasma membranes. Biochemistry, 1985, 24, 3322-3331.	1.2	76
43	Spontaneous and Protein-mediated Sterol Transfer between Intracellular Membranes. Journal of Biological Chemistry, 1996, 271, 16075-16083.	1.6	75
44	The Sterol Carrier Protein-2 Fatty Acid Binding Site:Â An NMR, Circular Dichroic, and Fluorescence Spectroscopic Determinationâ€. Biochemistry, 1997, 36, 1719-1729.	1.2	74
45	Sterol Carrier Protein-2 Alters High Density Lipoprotein-mediated Cholesterol Efflux. Journal of Biological Chemistry, 2000, 275, 36852-36861.	1.6	74
46	Cellular differentiation and I-FABP protein expression modulate fatty acid uptake and diffusion. American Journal of Physiology - Cell Physiology, 1998, 274, C633-C644.	2.1	73
47	Physical and Functional Interaction of Acyl-CoA-binding Protein with Hepatocyte Nuclear Factor-4Î±. Journal of Biological Chemistry, 2003, 278, 51813-51824.	1.6	72
48	Sterol carrier protein-2: New roles in regulating lipid rafts and signaling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 700-718.	1.2	72
49	Ligand Specificity and Conformational Dependence of the Hepatic Nuclear Factor-4Î± (HNF-4Î±). Journal of Biological Chemistry, 2002, 277, 23988-23999.	1.6	68
50	Acyl-Coenzyme A Binding Protein Expression Alters Liver Fatty Acyl-Coenzyme A Metabolism. Biochemistry, 2005, 44, 10282-10297.	1.2	67
51	Fluorescence Techniques Using Dehydroergosterol to Study Cholesterol Trafficking. Lipids, 2008, 43, 1185-1208.	0.7	67
52	HNF4Î± Antagonists Discovered by a High-Throughput Screen for Modulators of the Human Insulin Promoter. Chemistry and Biology, 2012, 19, 806-818.	6.2	67
53	Recombinant Liver Fatty Acid Binding Protein Interacts with Fatty Acyl-Coenzyme A. Biochemistry, 1994, 33, 3327-3334.	1.2	66
54	Holo-sterol Carrier Protein-2. Journal of Biological Chemistry, 1999, 274, 35425-35433.	1.6	66

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55	Liver fatty acid binding protein gene ablation potentiates hepatic cholesterol accumulation in cholesterol-fed female mice. American Journal of Physiology - Renal Physiology, 2006, 290, G36-G48.	1.6	66
56	Acute and Chronic Effects of Ethanol on Transbilayer Membrane Domains. Journal of Neurochemistry, 1989, 52, 1925-1930.	2.1	65
57	Lipid binding to sterol carrier protein-2 is inhibited by ethanol. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1999, 1437, 37-45.	1.2	65
58	Sterol Carrier Protein-2 Expression Modulates Protein and Lipid Composition of Lipid Droplets. Journal of Biological Chemistry, 2001, 276, 25324-25335.	1.6	65
59	Time-resolved fluorescence investigation of membrane cholesterol heterogeneity and exchange. Biochemistry, 1988, 27, 7740-7749.	1.2	64
60	Sexually dimorphic metabolism of branched-chain lipids in C57BL/6J mice. Journal of Lipid Research, 2004, 45, 812-830.	2.0	63
61	Acidic phospholipids strikingly potentiate sterol carrier protein 2 mediated intermembrane sterol transfer. Biochemistry, 1990, 29, 4070-4077.	1.2	60
62	Charged anesthetics selectively alter plasma membrane order. Biochemistry, 1987, 26, 2828-2835.	1.2	59
63	Acyl Coenzyme A Binding Protein. Journal of Biological Chemistry, 1998, 273, 11049-11055.	1.6	59
64	Hepatic phenotype of liver fatty acid binding protein gene-ablated mice. American Journal of Physiology - Renal Physiology, 2009, 297, G1053-G1065.	1.6	59
65	A fluorescence and radiolabel study of sterol exchange between membranes. Biochimica Et Biophysica Acta - Biomembranes, 1988, 943, 511-521.	1.4	58
66	Liver fatty-acid-binding protein (L-FABP) gene ablation alters liver bile acid metabolism in male mice. Biochemical Journal, 2005, 391, 549-560.	1.7	58
67	Fluorescence properties of cholestatrienol in phosphatidylcholine bilayer vesicles. Biophysical Chemistry, 1988, 32, 57-72.	1.5	57
68	Microsomal fatty acyl-CoA transacylation and hydrolysis: fatty acyl-CoA species dependent modulation by liver fatty acyl-CoA binding proteins11This work was supported in part by a grant from the USPHS National Institutes of Health, DK41402.. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1483, 185-197.	1.2	57
69	Ablation of the Liver Fatty Acid Binding Protein Gene Decreases Fatty Acyl CoA Binding Capacity and Alters Fatty Acyl CoA Pool Distribution in Mouse Liver. Biochemistry, 2003, 42, 11520-11532.	1.2	57
70	Pro-sterol Carrier Protein-2. Journal of Biological Chemistry, 2000, 275, 25547-25555.	1.6	56
71	Intestinal fatty acid-binding protein expression stimulates fibroblast fatty acid esterification. Chemistry and Physics of Lipids, 1996, 84, 47-56.	1.5	55
72	Lipid specificity and location of the sterol carrier protein-2 fatty acid-binding site: A fluorescence displacement and energy transfer study. Lipids, 1997, 32, 1201-1209.	0.7	55

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73	Fluorescence and Multiphoton Imaging Resolve Unique Structural Forms of Sterol in Membranes of Living Cells. Journal of Biological Chemistry, 2003, 278, 6384-6403.	1.6	55
74	Fluorescence Probes as Monitors of Surface Membrane Fluidity Gradients in Murine Fibroblasts. FEBS Journal, 1980, 112, 293-307.	0.2	54
75	Sterol Carrier Protein-2 Expression Alters Plasma Membrane Lipid Distribution and Cholesterol Dynamicsâ€. Biochemistry, 2001, 40, 6493-6506.	1.2	54
76	Isolation and Characterization of Two Fatty Acid Binding Proteins from Mouse Brain. Journal of Neurochemistry, 1996, 66, 1648-1656.	2.1	54
77	ACBP and cholesterol differentially alter fatty acyl CoA utilization by microsomal ACAT. Journal of Lipid Research, 2003, 44, 72-83.	2.0	54
78	Effect of SCP-x gene ablation on branched-chain fatty acid metabolism. American Journal of Physiology - Renal Physiology, 2007, 292, G939-G951.	1.6	54
79	Cholesterol Esterase: A Cholesterol Transfer Protein. Biochemistry, 1995, 34, 3942-3947.	1.2	53
80	Sterol carrier protein-2 stimulates intermembrane sterol transfer by direct membrane interaction. Chemistry and Physics of Lipids, 1995, 76, 73-84.	1.5	52
81	Effect of branched-chain fatty acid on lipid dynamics in mice lacking liver fatty acid binding protein gene. American Journal of Physiology - Cell Physiology, 2005, 288, C543-C558.	2.1	52
82	Differences in fluidity between bilayer halves of tumour cell plasma membranes. Nature, 1978, 276, 528-530.	13.7	51
83	Structure and dynamic properties of dehydroergosterol, 13-113-113-1. Journal of Biological Physics, 1985, 13, 13-24.	0.7	50
84	A potential role for sterol carrier protein-2 in cholesterol transfer to mitochondria. Chemistry and Physics of Lipids, 2000, 105, 9-29.	1.5	50
85	Use of a flourescent sterol to probe the transbilayer distribution of sterols in biological membranes. FEBS Letters, 1981, 135, 127-130.	1.3	48
86	Regulation of Membrane Cholesterol Domains by Sterol Carrier Protein-2. Biochemistry, 1994, 33, 7682-7690.	1.2	48
87	Lysosomal Membrane Cholesterol Dynamicsâ€. Biochemistry, 2000, 39, 7662-7677.	1.2	48
88	Differential influence of rat liver fatty acid binding protein isoforms on phospholipid fatty acid composition: phosphatidic acid biosynthesis and phospholipid fatty acid remodeling. Lipids and Lipid Metabolism, 1998, 1390, 258-268.	2.6	47
89	The Sterol Carrier Protein-2 Amino Terminus:Â A Membrane Interaction Domainâ€. Biochemistry, 1999, 38, 13231-13243.	1.2	47
90	FABP1: A Novel Hepatic Endocannabinoid and Cannabinoid Binding Protein. Biochemistry, 2016, 55, 5243-5255.	1.2	47

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91	Measurement of phagocytosis usinf fluorescent latex beads. Journal of Proteomics, 1983, 8, 15-27.	2.4	46
92	SCP-2/SCP-x gene ablation alters lipid raft domains in primary cultured mouse hepatocytes. Journal of Lipid Research, 2007, 48, 2193-2211.	2.0	46
93	Liver type fatty acid binding protein (L-FABP) gene ablation reduces nuclear ligand distribution and peroxisome proliferator-activated receptor-Î± activity in cultured primary hepatocytes. Archives of Biochemistry and Biophysics, 2009, 485, 160-173.	1.4	46
94	Lipid Domains in Plasma Membrances from Rat Liver. FEBS Journal, 1983, 132, 509-516.	0.2	45
95	Membrane Charge and Curvature Determine Interaction with Acyl-CoA Binding Protein (ACBP) and Fatty Acyl-CoA Targeting. Biochemistry, 2002, 41, 10540-10553.	1.2	45
96	Polyunsaturated fatty acids alter sterol transbilayer domains in LM fibroblast plasma membrane. FEBS Letters, 1988, 229, 188-192.	1.3	44
97	Liver fatty acid binding protein expression enhances branched-chain fatty acid metabolism. Molecular and Cellular Biochemistry, 2004, 259, 115-129.	1.4	44
98	Isolation and characterization of two distinct forms of liver fatty acid binding protein from the rat. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1999, 1436, 413-425.	1.2	43
99	Age-related alterations in cultured human fibroblast membrane structure and function. Mechanisms of Ageing and Development, 1984, 25, 365-389.	2.2	42
100	Na pump and plasma membrane structure in L-cell fibroblasts expressing rat liver fatty acid binding protein. Archives of Biochemistry and Biophysics, 1992, 298, 35-42.	1.4	42
101	Structure and Function of Normal and Transformed Murine Acyl-CoA Binding Proteins. Archives of Biochemistry and Biophysics, 1998, 350, 201-213.	1.4	42
102	Interaction of the N-terminus of sterol carrier protein 2 with membranes: role of membrane curvature. Biochemical Journal, 1999, 344, 593-603.	1.7	42
103	Adipose differentiation related protein: expression, purification of recombinant protein in Escherichia coli and characterization of its fatty acid binding properties. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1488, 245-254.	1.2	41
104	Full-Length, Glycosylated NSP4 Is Localized to Plasma Membrane Caveolae by a Novel Raft Isolation Technique. Journal of Virology, 2007, 81, 5472-5483.	1.5	41
105	Phytol-induced Hepatotoxicity in Mice. Toxicologic Pathology, 2009, 37, 201-208.	0.9	41
106	Fatty Acid Binding Proteinâ€1 (FABP1) and the Human FABP1 T94A Variant: Roles in the Endocannabinoid System and Dyslipidemias. Lipids, 2016, 51, 655-676.	0.7	41
107	Intermembrane cholesterol transfer: Role of sterol carrier proteins and phosphatidylserine. Lipids, 1990, 25, 669-674.	0.7	40
108	Expression of fatty acid binding proteins is altered in aged mouse brain. Molecular and Cellular Biochemistry, 1999, 198, 69-78.	1.4	40

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109	Sterol Carrier Protein-2 Selectively Alters Lipid Composition and Cholesterol Dynamics of Caveolae/Lipid Raft vs Nonraft Domains in L-Cell Fibroblast Plasma Membranesâ€. Biochemistry, 2003, 42, 14583-14598.	1.2	40
110	Structure and Cholesterol Dynamics of Caveolae/Raft and Nonraft Plasma Membrane Domainsâ€. Biochemistry, 2006, 45, 12100-12116.	1.2	40
111	Impact of L-FABP and glucose on polyunsaturated fatty acid induction of PPARÎ±-regulated Î²-oxidative enzymes. American Journal of Physiology - Renal Physiology, 2013, 304, G241-G256.	1.6	40
112	Interaction of sphingomyelins and phosphatidylcholines with fluorescent dehydroergosterol. Biochemistry, 1989, 28, 5992-6000.	1.2	39
113	High Dietary Fat Exacerbates Weight Gain and Obesity in Female Liver Fatty Acid Binding Protein Gene-Ablated Mice. Lipids, 2010, 45, 97-110.	0.7	39
114	Acylâ€CoA Binding Protein Gene Ablation Induces Preâ€implantation Embryonic Lethality in Mice. Lipids, 2010, 45, 567-580.	0.7	39
115	Structure and Function of the Sterol Carrier Protein-2 N-Terminal Presequence. Biochemistry, 2008, 47, 5915-5934.	1.2	38
116	Metallothionein-IIAPromoter Induction Alters Rat Intestinal Fatty Acid Binding Protein Expression, Fatty Acid Uptake, and Lipid Metabolism in Transfected L-Cells. Archives of Biochemistry and Biophysics, 1997, 340, 135-143.	1.4	37
117	Liver and intestinal fatty acid-binding protein expression increases phospholipid content and alters phospholipid fatty acid composition in L-cell fibroblasts. Lipids, 2000, 35, 729-738.	0.7	37
118	Glucose regulates fatty acid binding protein interaction with lipids and peroxisome proliferator-activated receptor Î±. Journal of Lipid Research, 2010, 51, 3103-3116.	2.0	37
119	The Human Liver Fatty Acid Binding Protein T94A Variant Alters the Structure, Stability, and Interaction with Fibrates. Biochemistry, 2013, 52, 9347-9357.	1.2	37
120	Effects of Chronic Ethanol Consumption on Sterol Transfer Proteins in Mouse Brain. Journal of Neurochemistry, 2002, 66, 313-320.	2.1	36
121	Sterol Carrier Protein-2 Directly Interacts with Caveolin-1 in Vitro and in Vivoâ€. Biochemistry, 2004, 43, 7288-7306.	1.2	36
122	Structural Analysis of Sterol Distributions in the Plasma Membrane of Living Cells. Biochemistry, 2005, 44, 2864-2884.	1.2	36
123	Liver Fatty Acid-Binding Protein Gene-Ablated Female Mice Exhibit Increased Age-Dependent Obesity3. Journal of Nutrition, 2008, 138, 1859-1865.	1.3	36
124	Acyl-CoA binding proteins interact with the acyl-CoA binding domain of mitochondrial carnitine palmitoyl transferase I. Molecular and Cellular Biochemistry, 2011, 355, 135-148.	1.4	35
125	Synthesis of a New Water-Soluble Rhodamine Derivative and Application to Protein Labeling and Intracellular Imaging. Bioconjugate Chemistry, 2006, 17, 1219-1225.	1.8	33
126	Glucose Directly Links to Lipid Metabolism through High Affinity Interaction with Peroxisome Proliferator-activated Receptor Î±. Journal of Biological Chemistry, 2008, 283, 2246-2254.	1.6	33

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127	Structural and functional interaction of fatty acids with human liver fatty acidâ€binding protein (Lâ€<scp>FABP</scp>) T94A variant. FEBS Journal, 2014, 281, 2266-2283.	2.2	33
128	Structure and cholesterol domain dynamics of an enriched caveolae/raft isolate. Biochemical Journal, 2004, 382, 451-461.	1.7	32
129	Effect of sterol carrier protein-2 gene ablation on HDL-mediated cholesterol efflux from cultured primary mouse hepatocytes. American Journal of Physiology - Renal Physiology, 2010, 299, G244-G254.	1.6	32
130	Sterol domains in phospholipid membranes: dehydroergosterol polarization measures molecular sterol transfer. Journal of Proteomics, 1992, 24, 15-37.	2.4	31
131	Intracellular Dissemination of Peroxidative Stress. Journal of Biological Chemistry, 2006, 281, 23643-23651.	1.6	31
132	Liver fatty acid binding protein gene ablation enhances age-dependent weight gain in male mice. Molecular and Cellular Biochemistry, 2009, 324, 101-115.	1.4	31
133	Regulation of transbilayer distribution of a fluorescent sterol in tumor cell plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 1986, 861, 289-301.	1.4	30
134	Overexpression of sterol carrier protein-2 differentially alters hepatic cholesterol accumulation in cholesterol-fed mice. Journal of Lipid Research, 2009, 50, 1429-1447.	2.0	30
135	Loss of intracellular lipid binding proteins differentially impacts saturated fatty acid uptake and nuclear targeting in mouse hepatocytes. American Journal of Physiology - Renal Physiology, 2012, 303, G837-G850.	1.6	30
136	Human FABP1 T94A variant impacts fatty acid metabolism and PPAR-Î± activation in cultured human female hepatocytes. American Journal of Physiology - Renal Physiology, 2014, 307, G164-G176.	1.6	30
137	Intracellular Sterol Binding Proteins: Cholesterol Transport and Membrane Domains. , 1998, , 213-234.		30
138	Selective Cholesterol Dynamics between Lipoproteins and Caveolae/Lipid Rafts. Biochemistry, 2007, 46, 13891-13906.	1.2	29
139	Inhibitors of Fatty Acid Synthesis Induce PPARÎ±-Regulated Fatty AcidÎ²-Oxidative Genes: Synergistic Roles of L-FABP and Glucose. PPAR Research, 2013, 2013, 1-22.	1.1	29
140	Impact of SCP-2/SCP-x gene ablation and dietary cholesterol on hepatic lipid accumulation. American Journal of Physiology - Renal Physiology, 2015, 309, G387-G399.	1.6	29
141	<scp>FABP</scp>â€1 gene ablation impacts brain endocannabinoid system in male mice. Journal of Neurochemistry, 2016, 138, 407-422.	2.1	29
142	Erythrocyte membrane lateral sterol domains: A dehydroergosterol fluorescence polarization study. Biochemistry, 1994, 33, 2880-2890.	1.2	28
143	Expression of liver fatty acid binding protein alters growth and differentiation of embryonic stem cells. Molecular and Cellular Biochemistry, 2001, 219, 127-138.	1.4	28
144	Intracellular cholesterol-binding proteins enhance HDL-mediated cholesterol uptake in cultured primary mouse hepatocytes. American Journal of Physiology - Renal Physiology, 2012, 302, G824-G839.	1.6	28

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145	Loss of L-FABP, SCP-2/SCP-x, or both induces hepatic lipid accumulation in female mice. Archives of Biochemistry and Biophysics, 2015, 580, 41-49.	1.4	28
146	Role of acidic phospholipids in intermembrane sterol transfer. Chemistry and Physics of Lipids, 1990, 56, 37-47.	1.5	27
147	Expression of liver fatty acid binding protein alters plasma membrane lipid composition and structure in transfected L-cell fibroblasts. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1145, 257-265.	1.4	27
148	Structure and Polarity of Mouse Brain Synaptic Plasma Membrane: Effects of Ethanol in vitro and in vivo. Biochemistry, 1995, 34, 5945-5959.	1.2	27
149	Sterol carrier protein-2 expression alters phospholipid content and fatty acyl composition in L-cell fibroblasts. Journal of Lipid Research, 2000, 41, 788-796.	2.0	27
150	Sterol Carrier Protein-2 Functions in Phosphatidylinositol Transfer and Signalingâ€. Biochemistry, 2003, 42, 3189-3202.	1.2	26
151	Rescue of MODY-1 by Agonist Ligands of Hepatocyte Nuclear Factor-4Î±. Journal of Biological Chemistry, 2003, 278, 22578-22585.	1.6	26
152	Fluorescent n-3 and n-6 Very Long Chain Polyunsaturated Fatty Acids. Journal of Biological Chemistry, 2010, 285, 18693-18708.	1.6	26
153	Stability of fatty acyl-coenzyme a thioester ligands of hepatocyte nuclear factor-4Î± and peroxisome proliferator-activated receptor-Î±. Lipids, 2005, 40, 559-568.	0.7	25
154	High glucose potentiates L-FABP mediated fibrate induction of PPARÎ± in mouse hepatocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1412-1425.	1.2	25
155	Fluorescence Probes Unravel Asymmetric Structure of Membranes. Sub-Cellular Biochemistry, 1985, 11, 51-101.	1.0	25
156	The influence of dolichols on fluidity of mouse synaptic plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 1987, 902, 385-393.	1.4	24
157	Caveolin, Sterol Carrier Protein-2, Membrane Cholesterol-Rich Microdomains and Intracellular Cholesterol Trafficking. Sub-Cellular Biochemistry, 2010, 51, 279-318.	1.0	24
158	Fabp1 gene ablation inhibits highâ€fat dietâ€induced increase in brain endocannabinoids. Journal of Neurochemistry, 2017, 140, 294-306.	2.1	24
159	Time-Resolved Fluorescence of Intestinal and Liver Fatty Acid Binding Proteins:â€‰ Role of Fatty Acyl CoA and Fatty Acid. Biochemistry, 1997, 36, 505-517.	1.2	23
160	Role of the Sterol Carrier Protein-2 N-Terminal Membrane Binding Domain in Sterol Transfer. Biochemistry, 2002, 41, 12149-12162.	1.2	23
161	Sterol carrier protein-2/sterol carrier protein-x expression differentially alters fatty acid metabolism in L cell fibroblasts. Journal of Lipid Research, 2003, 44, 1751-1762.	2.0	23
162	Role of polyunsaturated fatty acids and lipid peroxidation in LM fibroblast plasma membrane transbilayer structure. Archives of Biochemistry and Biophysics, 1990, 276, 55-64.	1.4	22

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163	Mechanistic studies of sterol carrier protein-2 effects on L-cell fibroblast plasma membrane sterol domains. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1189, 52-60.	1.4	22
164	Role of Regulatory F-domain in Hepatocyte Nuclear Factor-4Î± Ligand Specificity. Journal of Biological Chemistry, 2005, 280, 16714-16727.	1.6	22
165	Fluorescent sterols monitor cell penetrating peptide Pep-1 mediated uptake and intracellular targeting of cargo protein in living cells. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 425-441.	1.4	22
166	Use of dansyl-cholestanol as a probe of cholesterol behavior in membranes of living cells. Journal of Lipid Research, 2010, 51, 1157-1172.	2.0	22
167	Liver Fatty Acid Binding Protein Geneâ€Ablation Exacerbates Weight Gain in Highâ€Fat Fed Female Mice. Lipids, 2013, 48, 435-448.	0.7	22
168	Expression of fatty acyl-CoA binding proteins in colon cells: response to butyrate and transformation. Lipids, 1997, 32, 577-585.	0.7	21
169	A New N-Terminal Recognition Domain in Caveolin-1 Interacts with Sterol Carrier Protein-2 (SCP-2). Biochemistry, 2007, 46, 8301-8314.	1.2	21
170	Effect of Sterol Carrier Proteinâ€2 Expression on Sphingolipid Distribution in Plasma Membrane Lipid Rafts/Caveolae. Lipids, 2007, 42, 871-884.	0.7	21
171	Human FABP1 T94A variant enhances cholesterol uptake. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 946-955.	1.2	21
172	Plasma membrane lipid composition modulates action of anesthetics. Biochimica Et Biophysica Acta - Biomembranes, 1986, 861, 53-61.	1.4	20
173	Dietary fiber differentially alters cellular fatty acidâ€binding protein expression in exfoliated colonocytes during tumor development. Nutrition and Cancer, 1998, 32, 107-112.	0.9	20
174	Endocannabinoid Transport Proteins. Methods in Enzymology, 2017, 593, 99-121.	0.4	20
175	Calcium Modulates Fatty Acid Dynamics in Rat Liver Plasma Membranes. FEBS Journal, 1983, 132, 517-524.	0.2	19
176	LM fibroblast plasma membrane subfractionation by affinity chromatography on Con A-sepharose. Biochimica Et Biophysica Acta - Biomembranes, 1982, 690, 231-242.	1.4	18
177	Sterol carrier protein-2 suppresses microsomal acyl-CoA hydrolysis. Molecular and Cellular Biochemistry, 2000, 205, 83-90.	1.4	17
178	Female Mice are Resistant to Fabp1 Gene Ablationâ€Induced Alterations in Brain Endocannabinoid Levels. Lipids, 2016, 51, 1007-1020.	0.7	17
179	Membrane Anomalies in Huntington's Disease Fibroblasts. Journal of Neurochemistry, 1984, 43, 526-539.	2.1	16
180	Effect of Insulin on Fatty Acid Uptake and Esterification in L-Cell Fibroblasts. Archives of Biochemistry and Biophysics, 1996, 335, 267-272.	1.4	16

#	Article	IF	Citations
181	Loss of fatty acid binding protein-1 alters the hepatic endocannabinoid system response to a high-fat diet. Journal of Lipid Research, 2017, 58, 2114-2126.	2.0	16
182	Sex and age alter plasma membranes of cultured fibroblasts. FEBS Journal, 1984, 142, 183-191.	0.2	15
183	Liverâ€type fatty acid binding protein interacts with hepatocyte nuclear factor 4Î±. FEBS Letters, 2013, 587, 3787-3791.	1.3	15
184	Ablating L-FABP in SCP-2/SCP-x null mice impairs bile acid metabolism and biliary HDL-cholesterol secretion. American Journal of Physiology - Renal Physiology, 2014, 307, G1130-G1143.	1.6	15
185	Expression of the Bovine NK-Lysin Gene Family and Activity against Respiratory Pathogens. PLoS ONE, 2016, 11, e0158882.	1.1	15
186	Phase behavior of triolein and tripalmitin detected by differential scanning calorimetry. Lipids, 1981, 16, 805-809.	0.7	14
187	Interaction of the N-terminus of sterol carrier protein 2 with membranes: role of membrane curvature. Biochemical Journal, 1999, 344, 593.	1.7	14
188	Î”9-Tetrahydrocannabinol induces endocannabinoid accumulation in mouse hepatocytes: antagonism by Fabp1 gene ablation. Journal of Lipid Research, 2018, 59, 646-657.	2.0	14
189	Fatty acid uptake in diabetic rat adipocytes. Molecular and Cellular Biochemistry, 1997, 167, 1-10.	1.4	13
190	Isolation and Characterization of 26- and 30-kDa Rat Liver Proteins Immunoreactive to Anti-Sterol Carrier Protein-2 Antibodies. Protein Expression and Purification, 1998, 13, 337-348.	0.6	13
191	Loss of liver FA binding protein significantly alters hepatocyte plasma membrane microdomains. Journal of Lipid Research, 2012, 53, 467-480.	2.0	13
192	Impact of dietary phytol on lipid metabolism in SCP2/SCPX/L-FABP null mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 291-304.	1.2	13
193	Differences in fluidity between bilayer halves of plasma cell membranes (reply). Nature, 1980, 287, 256-256.	13.7	12
194	Microsomal long chain fatty acyl-CoA transacylation: differential effect of sterol carrier protein-2. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1999, 1439, 371-383.	1.2	12
195	Molecular and fluorescent sterol approaches to probing lysosomal membrane lipid dynamics. Chemistry and Physics of Lipids, 2002, 116, 19-38.	1.5	12
196	Impact of Fabp1 Gene Ablation on Uptake and Degradation of Endocannabinoids in Mouse Hepatocytes. Lipids, 2018, 53, 561-580.	0.7	12
197	Effect of liver fatty acid binding protein (L-FABP) gene ablation on lipid metabolism in high glucose diet (HGD) pair-fed mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 985-1004.	1.2	12
198	Sterol carrier protein-2 expression alters sphingolipid metabolism in transfected mouse L-cell fibroblasts. Molecular and Cellular Biochemistry, 2006, 283, 57-66.	1.4	11

#	Article	IF	Citations
199	Isolation and identification of a mouse brain protein recognized by antisera to heart fatty acid-binding protein. Lipids, 1999, 34, 363-373.	0.7	10
200	Chapter 1 Lipid Rafts and Caveolae Organization. Advances in Molecular and Cell Biology, 2005, , 1-36.	0.1	9
201	A Novel High-Throughput Screening Assay for Putative Antidiabetic Agents through PPARÎ± Interactions. Journal of Biomolecular Screening, 2008, 13, 855-861.	2.6	9
202	Relative contributions of L-FABP, SCP-2/SCP-x, or both to hepatic biliary phenotype of female mice. Archives of Biochemistry and Biophysics, 2015, 588, 25-32.	1.4	9
203	Impact of Fabp1/Scp-2/Scp-x gene ablation (TKO) on hepatic phytol metabolism in mice. Journal of Lipid Research, 2017, 58, 1153-1165.	2.0	9
204	Effect of Fabp1/Scpâ€2/Scpâ€x Ablation on Whole Body and Hepatic Phenotype of Phytolâ€Fed Male Mice. Lipids, 2017, 52, 385-397.	0.7	9
205	Human Liver Fatty Acid Binding Proteinâ€1 T94A Variant, Nonalcohol Fatty Liver Disease, and Hepatic Endocannabinoid System. Lipids, 2018, 53, 27-40.	0.7	9
206	Ablating both Fabp1 and Scp2/Scpx (TKO) induces hepatic phospholipid and cholesterol accumulation in high fat-fed mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 323-338.	1.2	9
207	Sterol Carrier Proteinâ€2/Sterol Carrier Proteinâ€x/Fatty Acid Binding Proteinâ€1 Ablation Impacts Response of Brain Endocannabinoid to Highâ€Fat Diet. Lipids, 2019, 54, 583-601.	0.7	9
208	Multiphoton Laser-Scanning Microscopy and Spatial Analysis of Dehydroergosterol Distributions on Plasma Membrane of Living Cells. Methods in Molecular Biology, 2007, 398, 85-105.	0.4	9
209	Liver and intestinal fatty acid binding proteins in control and TGF?1 gene targeted deficient mice. Molecular and Cellular Biochemistry, 1996, 159, 149-153.	1.4	8
210	Fatty acid double bond orientation alters interaction with L-cell fibroblasts. Molecular and Cellular Biochemistry, 1996, 155, 113-9.	1.4	8
211	Membrane Domain Distributions: Analysis of Fluorescence Sterol Ex-change Kinetics. Current Analytical Chemistry, 2008, 4, 1-7.	0.6	8
212	Structural and Functional Interaction of Î”⁹-Tetrahydrocannabinol with Liver Fatty Acid Binding Protein (FABP1). Biochemistry, 2018, 57, 6027-6042.	1.2	8
213	Endocannabinoid Interaction with Human FABP1: Impact of the T94A Variant. Biochemistry, 2017, 56, 5147-5159.	1.2	8
214	Structural and functional characterization of a new recombinant histidine-tagged acyl coenzyme A binding protein (ACBP) from mouse. Protein Expression and Purification, 2008, 58, 184-193.	0.6	7
215	Endothelial nitric oxide synthase protein distribution and nitric oxide production in endothelial cells along the coronary vascular tree. Microvascular Research, 2019, 122, 34-40.	1.1	7
216	Structure of Dehydroergosterol Monohydrate and Interaction with Sterol Carrier Proteinâ€2. Lipids, 2008, 43, 1165-1184.	0.7	5

#	Article	IF	Citations
217	Lipid Domains and Biological Membrane Function. , 2001, , 81-94.		5
218	Cholestatrienol Time Resolved Fluorescence In Phosphatidylcholine Bilayers. Proceedings of SPIE, 1988, , .	0.8	4
219	Sex-dependent impact of Scp-2/Scp-x gene ablation on hepatic phytol metabolism. Archives of Biochemistry and Biophysics, 2017, 635, 17-26.	1.4	3
220	Scp-2/Scp-x ablation in Fabp1 null mice differentially impacts hepatic endocannabinoid level depending on dietary fat. Archives of Biochemistry and Biophysics, 2018, 650, 93-102.	1.4	3
221	Membrane Cholesterol and Ethanol: Domains, Kinetics, and Protein Function. , 1993, , 13-32.		3
222	High Glucose and Liver Fatty Acid Binding Protein Gene Ablation Differentially Impact Whole Body and Liver Phenotype in Highâ€FatPairâ€FedMice. Lipids, 2020, 55, 309-327.	0.7	2