

Membrane lipid composition and cellular function.

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of membrane perturbation on protein kinase C activation: Treatment with exogenous phospholipase C decreases translocation of enzyme to cellular membranes. <i>Biochemical and Biophysical Research Communications</i> , 1986, 136, 1083-1089.	1.0	7
2	Effect of cellular fatty acid composition on the phospholipase A2 activity of bone marrow-derived macrophages, and their ability to induce lucigenin-dependent chemiluminescence. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 889, 6-14.	1.9	35
3	Altered physiological responsiveness and decreased cyclic AMP levels in rat atria after dietary cod liver oil supplementation and its possible association with an increased membrane phospholipid n <sup>3</sup> :n <sup>6</sup> fatty acid ratio. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 889, 95-102.	1.9	33
4	Involvement of lipids in solute transport in yeasts. <i>Yeast</i> , 1986, 2, 205-220.	0.8	43
5	Effects of variable linoleate intake on aortic pgl2-like activity and fatty acid composition: difference between rat and marmoset ( <i>Callithrix Jacchus</i> ). <i>Prostaglandins, Leukotrienes, and Medicine</i> , 1986, 25, 209-221.	0.8	9
6	Antitumor effect of $\hat{1}^3$ -linolenic acid on cultured human neuroblastoma cells. <i>Prostaglandins, Leukotrienes, and Medicine</i> , 1986, 23, 311-320.	0.8	39
7	In Vivo Indexes of Platelet and Vascular Function during Fish-Oil Administration in Patients with Atherosclerosis. <i>New England Journal of Medicine</i> , 1986, 314, 937-942.	13.9	423
8	Membrane Effects of Ethanol in Excitable Cells. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 1987, 6, 213-48.	0.7	8
9	Nutrients, Brain Biochemistry, and Behavior: A Possible Role for the Neuronal Membrane. <i>International Journal of Neuroscience</i> , 1987, 35, 21-36.	0.8	23
10	Lipid Modulation of Transport Proteins in Vertebrate Cell Membranes. <i>Annual Review of Physiology</i> , 1987, 49, 221-235.	5.6	77
11	Interaction of unsaturated fatty acids with anti-oestrogen-binding sites. <i>Biochemical Journal</i> , 1987, 243, 359-364.	1.7	20
12	Liver microsomal membrane fluidity and lipid characteristics in vitamin A-deficient rats. <i>Biochemical Journal</i> , 1987, 245, 907-910.	1.7	16
13	Chapter 12 GC/MS of Molecular Species of Glycerophospholipids. <i>Journal of Chromatography Library</i> , 1987, , 378-402.	0.1	16
14	Quantitative contributions of cholesterol and the individual classes of phospholipids and their degree of fatty acyl (un)saturation to membrane fluidity measured by fluorescence polarization. <i>Biochemistry</i> , 1987, 26, 1746-1756.	1.2	195
15	Dietary fats and lipids of adipose tissue and cell membranes in carcinogenesis. <i>Preventive Medicine</i> , 1987, 16, 481-484.	1.6	2
16	Influence of lipid environment on insulin binding in cultured hepatoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1987, 928, 287-296.	1.9	32
17	Modifications of cellular lipids induce insulin resistance in cultured hepatoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1987, 928, 297-304.	1.9	27
18	Sterol depletion reduces receptor-mediated low-density lipoprotein binding in NS-1 mouse myeloma cells. <i>Experimental Cell Research</i> , 1987, 171, 76-85.	1.2	7

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19	Polyunsaturated fatty acids are enriched in the plasma membranes of mitogen-stimulated T-lymphocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 904, 22-28.	1.4	41
20	Catalytic hydrogenation of fatty acyl chains in plasma membranes; effect on membrane lipid fluidity and expression of cell surface antigens. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 896, 129-135.	1.4	30
21	Modification of fatty acid composition of membrane phospholipid in hepatocyte monolayer with n <sup>ω</sup> 3, n <sup>ω</sup> 6 and n <sup>ω</sup> 9 fatty acids and its relationship to triacylglycerol production. <i>Lipids and Lipid Metabolism</i> , 1987, 921, 378-391.	2.6	88
22	Preferential incorporation of eicosanoid precursor fatty acids into human umbilical vein endothelial cell phospholipids. <i>Lipids and Lipid Metabolism</i> , 1987, 922, 314-322.	2.6	19
23	Distribution of phospholipid molecular species containing arachidonic acid and cholesterol in V79-UF cells. <i>Lipids and Lipid Metabolism</i> , 1987, 918, 267-273.	2.6	9
24	Cholesterol regulates high-density lipoprotein interaction with isolated epithelial cells of human small intestine. <i>Lipids and Lipid Metabolism</i> , 1987, 919, 266-274.	2.6	12
25	Fatty acid metabolism of isolated mammalian cells. <i>Progress in Lipid Research</i> , 1987, 26, 87-124.	5.3	154
26	Membrane fluidity regulates development of gonadotrope desensitization to GnRH. <i>Molecular and Cellular Endocrinology</i> , 1987, 53, 131-140.	1.6	25
27	Long-term saturated fat feeding induced changes in rat myocardial phospholipid fatty acids are reversed by cross-over to polyunsaturated diets: Differences between n-3 and n-6 lipid supplements. <i>Nutrition Research</i> , 1987, 7, 743-753.	1.3	17
28	The influence of dietary fatty acids and hypothyroidism on mitochondrial fatty acid composition. <i>Nutrition Research</i> , 1987, 7, 1139-1150.	1.3	15
29	Plasma and red blood cells fatty acids in total parenterally fed children: Changes induced by intravenous fat emulsion. <i>Clinical Nutrition</i> , 1987, 6, 175-178.	2.3	1
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31	Effects of Dietary Fats on Bleomycin-induced Pulmonary Fibrosis. <i>Experimental Lung Research</i> , 1987, 12, 149-161.	0.5	10
32	Biosynthesis of a specifically deuterated diunsaturated fatty acid (18:2.DELTA.6,9) for deuterium NMR membrane studies. <i>Biochemistry</i> , 1987, 26, 8405-8410.	1.2	12
33	Muscle and brown adipose tissue fatty acid profiles in cold-exposed rats.. <i>The Japanese Journal of Physiology</i> , 1987, 37, 783-796.	0.9	13
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35	Effects of polyunsaturated fatty acids and of their oxidation products on cell survival. <i>Chemistry and Physics of Lipids</i> , 1987, 45, 269-313.	1.5	68
36	What should hepatologists know about membrane fluidity?. <i>Hepatology</i> , 1987, 7, 177-180.	3.6	17

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37	The thermodynamic parameters of the interaction of concanavalin A with glycosyl-free liposomes: A microcalorimetric study. <i>Biopolymers</i> , 1987, 26, 1509-1526.	1.2	3
38	Fatty acid modification of cultured neuroblastoma cells by gamma linolenic acid relevant to its antitumor effect. <i>Prostaglandins, Leukotrienes, and Medicine</i> , 1987, 30, 37-49.	0.8	12
39	Effect of ovariectomy in humans on serum 6-KETO-PGF1 $\alpha$ and TXB2 concentrations and platelet fatty acids. <i>Prostaglandins, Leukotrienes, and Medicine</i> , 1987, 26, 85-89.	0.8	5
40	Phospholipids and fatty acid profile of brain synaptosomal membrane from normotensive and hypertensive rats. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1987, 19, 1225-1228.	0.8	11
41	The effect of vitamins E and C on cholesterol accumulation and lifespan of human diploid cells in vitro. <i>Age</i> , 1987, 10, 17-20.	3.0	0
42	Influence of environmental medium on fatty acid composition of human cells: Leukocytes and fibroblasts. <i>Lipids</i> , 1987, 22, 241-249.	0.7	19
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44	Plasma and lipoprotein fatty acid composition in glycogen storage disease type I. <i>Lipids</i> , 1987, 22, 381-385.	0.7	18
45	Time course of incorporation of 20-carbon polyunsaturated fatty acids in a human keratinocyte cell line. <i>Lipids</i> , 1987, 22, 139-143.	0.7	8
46	Membrane fatty acid modification in tumor cells: A potential therapeutic adjunct. <i>Lipids</i> , 1987, 22, 178-184.	0.7	74
47	Effect of dietary lipids on the lipid composition and phospholipid deacylating enzyme activities of rat heart. <i>Lipids</i> , 1987, 22, 517-522.	0.7	26
48	Ultraviolet B Irradiation Induces Changes in the Distribution and Release of Arachidonic Acid, Dihomo- $\beta$ -linolenic Acid, and Eicosapentaenoic Acid in Human Keratinocytes in Culture. <i>Journal of Investigative Dermatology</i> , 1987, 88, 611-614.	0.3	42
49	myo-Inositol Metabolism in 41 A3 Neuroblastoma Cells: Effects of High Glucose and Sorbitol Levels. <i>Journal of Neurochemistry</i> , 1987, 48, 53-61.	2.1	61
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56	Sodium channel activation does not alter lipid metabolism in cultured neuroblastoma cells. <i>Neurochemical Research</i> , 1988, 13, 1015-1021.	1.6	2
57	Comparative chromatographic study of modifications of brush-border membrane vesicles induced by an essential fatty acid-deficient diet. <i>Biomedical Applications</i> , 1988, 432, 75-91.	1.7	5
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60	The influence of CCl <sub>4</sub> biotransformation on the activation of rat liver phospholipase C in vitro. <i>Toxicology and Applied Pharmacology</i> , 1988, 95, 200-207.	1.3	16
61	The role of CCl <sub>4</sub> biotransformation in the activation of hepatocyte phospholipase C in vivo and in vitro. <i>Toxicology and Applied Pharmacology</i> , 1988, 95, 208-219.	1.3	15
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63	Dietary fish oil prevents ventricular fibrillation following coronary artery occlusion and reperfusion. <i>American Heart Journal</i> , 1988, 116, 709-717.	1.2	301
64	Effect of dietary lipids on plasma lipoproteins and fluidity of lymphoid cell membranes in normal and leukemic mice. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 943, 166-174.	1.4	4
65	Lipid composition of liver microsomes in rats fed a high monounsaturated fatty acid diet. <i>Lipids and Lipid Metabolism</i> , 1988, 962, 66-72.	2.6	23
66	Alterations of cellular lipids in rat thymocytes during cell cycle progression. <i>Lipids and Lipid Metabolism</i> , 1988, 962, 220-226.	2.6	13
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71	Effect of dietary N-6 and N-3 polyunsaturated fatty acids on composition and enzyme activities in liver plasma membrane of mice. <i>Nutrition Research</i> , 1988, 8, 1051-1059.	1.3	4
72	Lipids and thyroid hormones. <i>Progress in Lipid Research</i> , 1988, 27, 199-270.	5.3	134

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74	Biochemical localization of hepatic surface-membrane Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity depends on membrane lipid fluidity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 8673-8677.	3.3	65
75	A comparison of the specificity of phosphatidylcholine synthesis by human fetal lung maintained in either organ or organotypic culture. <i>Biochemical Journal</i> , 1988, 253, 451-457.	1.7	47
76	Reassessment of the role of phospholipids in sexual reproduction by sterol-auxotrophic fungi. <i>Journal of Bacteriology</i> , 1989, 171, 3831-3839.	1.0	31
77	Role of BBM lipid composition and fluidity in impaired renal Pi transport in aged rat. <i>American Journal of Physiology - Renal Physiology</i> , 1989, 256, F85-F94.	1.3	28
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79	Dietary Fish Oil Inhibits Bleomycin-Induced Pulmonary Fibrosis in the Rat. <i>Experimental Lung Research</i> , 1989, 15, 315-329.	0.5	25
80	The effect of dietary fat on metastasis of the lewis lung carcinoma and the BALB/c mammary carcinoma. <i>Nutrition and Cancer</i> , 1989, 12, 109-119.	0.9	22
81	The effect of dietary nâ <sup>6</sup> and nâ <sup>3</sup> polyunsaturated fatty acids on blood pressure and tissue fatty acid composition in spontaneously hypertensive rats. <i>Lipids</i> , 1989, 24, 638-644.	0.7	42
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83	Effect of magnesium deficiency on Î <sup>6</sup> desaturase activity and fatty acid composition of rat liver microsomes. <i>Lipids</i> , 1989, 24, 727-732.	0.7	66
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85	Protein deficiency and age related alterations in rat peritoneal macrophage lipids. <i>Journal of Biosciences</i> , 1989, 14, 367-377.	0.5	2
86	Characterization of shell gland lipids from chicken ( <i>Gallus domesticus</i> ) producing strong or weak egg shells. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1989, 94, 521-524.	0.2	2
87	Dietary carbohydrate influences tissue fatty acid and lipid composition in the copper-deficient rat. <i>Biological Trace Element Research</i> , 1989, 23, 77-87.	1.9	4
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89	Construction of peptoliposomes for the incorporation of nutrient lipid supplements in insect cell culture media. <i>Cytotechnology</i> , 1989, 12, 17-20.	0.3	6
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92	Decreased cyclic AMP accumulation in lymphocytes in response to adrenaline and prostacyclin after n-3 polyunsaturated fatty acid supplementation in man. <i>European Journal of Clinical Pharmacology</i> , 1989, 37, 195-197.	0.8	4
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100	Platelet activation by oxidatively modified low density lipoproteins. <i>Atherosclerosis</i> , 1989, 76, 117-124.	0.4	173
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105	Carnitine transport and exogenous palmitate oxidation in chronically volume-overloaded rat hearts. <i>Lipids and Lipid Metabolism</i> , 1989, 1003, 109-114.	2.6	12
106	Modification of cellular fatty acid composition of Hep-G2 cells: effect of antioxidants on cholesterol esterification and secretion. <i>Lipids and Lipid Metabolism</i> , 1989, 1003, 115-120.	2.6	5
107	Changes of linoleic acid metabolism and cellular phospholipid fatty acid composition in LLC-PK cells cultured at low magnesium concentrations. <i>Lipids and Lipid Metabolism</i> , 1989, 1006, 70-74.	2.6	34
108	Modifications of LDL-receptor-mediated endocytosis rates in CEM lymphoblastic cells grown in lipoprotein-depleted fetal calf serum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 982, 265-270.	1.4	7



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110	Insulin binding to erythrocytes and fatty acid composition of erythrocyte membrane phospholipids in healthy men. <i>Clinica Chimica Acta</i> , 1989, 179, 197-200.	0.5	11
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112	Filipin-induced deformations in plasma membranes of cultured bovine corneal endothelial cells with incomplete belts of tight junctions. <i>Experimental Eye Research</i> , 1989, 49, 717-727.	1.2	4
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116	Lipoproteins alter the catalytic behavior of the platelet-activating factor acetylhydrolase in human plasma.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 2393-2397.	3.3	104
117	Effects of dietary fish oil supplementation on membrane fluidity and enzyme activity in rat small intestine. <i>Biochemical Journal</i> , 1989, 263, 41-45.	1.7	49
118	Effect of Dietary Fat Composition on Rat Colon Plasma Membranes and Fecal Lipids. <i>Journal of Nutrition</i> , 1989, 119, 1376-1382.	1.3	23
119	Effect of Dietary Olive Oil, Corn Oil and Medium-Chain Triglycerides on the Lipid Composition of Rat Red Blood Cell Membranes. <i>Journal of Nutrition</i> , 1990, 120, 986-994.	1.3	45
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122	Effects of Prenatal Ethanol and Long-Chain n-3 Fatty Acid Supplementation on Development in Mice. 1. Body and Brain Growth, Sensorimotor Development, and Water T-Maze Reversal Learning. <i>Alcoholism: Clinical and Experimental Research</i> , 1990, 14, 405-412.	1.4	42
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124	Effect of medium-chain glycerides on the membrane transport of D-glucose and sulfanilic acid in the intestinal brush-border membrane vesicles.. <i>Journal of Pharmacobio-dynamics</i> , 1990, 13, 57-63.	0.5	4
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126	N-6 polyunsaturated fatty acids in human breast carcinoma phosphatidylethanolamine and early relapse. <i>British Journal of Cancer</i> , 1990, 61, 776-778.	2.9	29



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129	Tissue phospholipid fatty acid composition in genetically lean (Fa/âˆ”) or obese (fa/fa) zucker female rats on the same diet. <i>Lipids</i> , 1990, 25, 517-522.	0.7	39
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131	Phospholipase a activity of cultured rat ventricular myocyte is affected by the nature of cellular polyunsaturated fatty acids. <i>Lipids</i> , 1990, 25, 301-306.	0.7	42
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133	The Na+K+ATPase activity in cultured human fibroblasts with an elevated phospholipid triene: tetraene ratio. <i>Lipids</i> , 1990, 25, 73-77.	0.7	7
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135	2,3,7,8-Tetrachlorodibenzo-p-dioxin-induced oxidative stress in female rats. <i>Toxicology and Applied Pharmacology</i> , 1990, 106, 126-135.	1.3	79
136	Dietary Fatty Acids and Membrane Protein Function. <i>Journal of Nutritional Biochemistry</i> , 1990, 1, 68-79.	1.9	264
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139	Polyunsaturated fatty acid metabolism in cultured fish cells: Incorporation and metabolism of (n-3) and (n-6) series acids by Atlantic salmon ( <i>Salmo salar</i> ) cells. <i>Fish Physiology and Biochemistry</i> , 1990, 8, 311-319.	0.9	33
140	Morphologic changes in human carcinoma cells (A-431) stimulated by epidermal growth factor: Effect of cholesterol and low-density lipoproteins on the ruffling response. <i>Journal of Cellular Physiology</i> , 1990, 142, 458-468.	2.0	4
141	Plasma membrane fluidity gradients of human peripheral blood leukocytes. <i>Journal of Cellular Physiology</i> , 1990, 144, 42-51.	2.0	12
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