Robert Salvayre

List of Publications by Year
in descending order

183 papers	11,047 citations	22099 59 h-index	34900 98 g-index
187 all docs	187 docs citations	187 times ranked	11655 citing authors

#	Article	IF	Citations
1	A role for uncoupling proteinâ€2 as a regulator of mitochondrial hydrogen peroxide generation. FASEB Journal, 1997, 11, 809-815.	0.2	707
2	The gene encoding adipose triglyceride lipase (PNPLA2) is mutated in neutral lipid storage disease with myopathy. Nature Genetics, 2007, 39, 28-30.	9.4	415
3	Pathological aspects of lipid peroxidation. Free Radical Research, 2010, 44, 1125-1171.	1.5	344
4	Hyperglycemia and Glycation in Diabetic Complications. Antioxidants and Redox Signaling, 2009, 11, 3071-3109.	2.5	321
5	Oxidized low-density lipoprotein-induced apoptosis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2002, 1585, 213-221.	1.2	282
6	Angiogenesis in the atherosclerotic plaque. Redox Biology, 2017, 12, 18-34.	3.9	276
7	Small, Dense High-Density Lipoprotein-3 Particles Are Enriched in Negatively Charged Phospholipids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2715-2723.	1.1	259
8	Ceramide in apoptosis signaling: relationship with oxidative stress. Free Radical Biology and Medicine, 2001, 31, 717-728.	1.3	248
9	HDL and ApoA Prevent Cell Death of Endothelial Cells Induced by Oxidized LDL. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 2158-2166.	1.1	186
10	Oxidized Low-Density Lipoproteins Trigger Endoplasmic Reticulum Stress in Vascular Cells. Circulation Research, 2009, 104, 328-336.	2.0	161
11	Sphingolipid Mediators in Cardiovascular Cell Biology and Pathology. Circulation Research, 2001, 89, 957-968.	2.0	160
12	A deletion in the gene encoding sphingomyelin phosphodiesterase 3 (Smpd3) results in osteogenesis and dentinogenesis imperfecta in the mouse. Nature Genetics, 2005, 37, 803-805.	9.4	159
13	Structural modifications of HDL and functional consequences. Atherosclerosis, 2006, 184, 1-7.	0.4	157
14	Role of Sphingosine 1-Phosphate in the Mitogenesis Induced by Oxidized Low Density Lipoprotein in Smooth Muscle Cells via Activation of Sphingomyelinase, Ceramidase, and Sphingosine Kinase. Journal of Biological Chemistry, 1999, 274, 21533-21538.	1.6	150
15	Activation of EGF receptor by oxidized LDL. FASEB Journal, 1998, 12, 665-671.	0.2	140
16	Dual Role of Oxidized LDL on the NF-KappaB Signaling Pathway. Free Radical Research, 2004, 38, 541-551.	1.5	134
17	Role for Matrix Metalloproteinase-2 in Oxidized Low-Density Lipoproteinâ€"Induced Activation of the Sphingomyelin/Ceramide Pathway and Smooth Muscle Cell Proliferation. Circulation, 2004, 110, 571-578.	1.6	133
18	The C-terminal Region of Human Adipose Triglyceride Lipase Affects Enzyme Activity and Lipid Droplet Binding. Journal of Biological Chemistry, 2008, 283, 17211-17220.	1.6	133

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19	Antioxidant and cytoprotective properties of high-density lipoproteins in vascular cells. Free Radical Biology and Medicine, 2006, 41, 1031-1040.	1.3	128
20	Oxidized LDLs Induce Massive Apoptosis of Cultured Human Endothelial Cells Through a Calcium-Dependent Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 331-339.	1.1	126
21	Necrosis and apoptosis induced by oxidized low density lipoproteins occur through two calciumâ€dependent pathways in lymphoblastoid cells. FASEB Journal, 1994, 8, 1075-1080.	0.2	123
22	Simultaneous determination of allantoin, hypoxanthine, xanthine, and uric acid in serum/plasma by CE. Electrophoresis, 2007, 28, 381-387.	1.3	122
23	Oxidized LDLs alter the activity of the ubiquitinâ€proteasome pathway: potential role in oxidized LDLâ€induced apoptosis. FASEB Journal, 2000, 14, 532-542.	0.2	119
24	Increased reactive oxygen species production with antisense oligonucleotides directed against uncoupling protein 2 in murine endothelial cells. Biochemistry and Cell Biology, 2002, 80, 757-764.	0.9	116
25	Synthesis and antioxidant activity evaluation of a syringic hydrazones family. European Journal of Medicinal Chemistry, 2010, 45, 3019-3026.	2.6	116
26	The Sphingomyelin-Ceramide Signaling Pathway Is Involved in Oxidized Low Density Lipoprotein-induced Cell Proliferation. Journal of Biological Chemistry, 1996, 271, 19251-19255.	1.6	113
27	Metabolic syndrome features small, apolipoprotein A-I-poor, triglyceride-rich HDL3 particles with defective anti-apoptotic activity. Atherosclerosis, 2008, 197, 84-94.	0.4	113
28	Methylglyoxal induces advanced glycation end product (AGEs) formation and dysfunction of PDGF receptorâ€Î²: implications for diabetic atherosclerosis. FASEB Journal, 2007, 21, 3096-3106.	0.2	112
29	Oxidized LDL-Induced Smooth Muscle Cell Proliferation Involves the EGF Receptor/PI-3 Kinase/Akt and the Sphingolipid Signaling Pathways. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1990-1995.	1.1	111
30	Two Distinct Calcium-Dependent Mitochondrial Pathways Are Involved in Oxidized LDL-Induced Apoptosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 639-645.	1.1	111
31	Sphingomyelin metabolites in vascular cell signaling and atherogenesis. Progress in Lipid Research, 2000, 39, 207-229.	5.3	105
32	A neutral sphingomyelinase resides in sphingolipid-enriched microdomains and is inhibited by the caveolin-scaffolding domain: potential implications in tumour necrosis factor signalling. Biochemical Journal, 2001, 355, 859-868.	1.7	103
33	Role of oxidative stress in the dysfunction of the placental endothelial nitric oxide synthase in preeclampsia. Redox Biology, 2021, 40, 101861.	3.9	103
34	Resveratrol inhibits the mTOR mitogenic signaling evoked by oxidized LDL in smooth muscle cells. Atherosclerosis, 2009, 205, 126-134.	0.4	100
35	HDL counterbalance the proinflammatory effect of oxidized LDL by inhibiting intracellular reactive oxygen species rise, proteasome activation, and subsequent NFâ€ºB activation in smooth muscle cells. FASEB Journal, 2003, 17, 743-745.	0.2	98
36	Small, dense HDL 3 particles attenuate apoptosis in endothelial cells: pivotal role of apolipoprotein Aâ€. Journal of Cellular and Molecular Medicine, 2010, 14, 608-620.	1.6	94

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37	Carbonyl scavenger and antiatherogenic effects of hydrazine derivatives. Free Radical Biology and Medicine, 2008, 45, 1457-1467.	1.3	92
38	Involvement of FAN in TNF-induced apoptosis. Journal of Clinical Investigation, 2001, 108, 143-151.	3.9	91
39	Advanced Glycation End Product Precursors Impair Epidermal Growth Factor Receptor Signaling. Diabetes, 2002, 51, 1535-1542.	0.3	90
40	Bclâ€2 alters the balance between apoptosis and necrosis, but does not prevent cell death induced by oxidized low density lipoproteins. FASEB Journal, 1999, 13, 485-494.	0.2	80
41	Ultraviolet-treated lipoproteins as a model system for the study of the biological effects of lipid peroxides on cultured cells. II. Uptake and cytotoxicity of ultraviolet-treated LDL on lymphoid cell lines. Lipids and Lipid Metabolism, 1990, 1045, 224-232.	2.6	79
42	Potential Role for Ceramide in Mitogen-activated Protein Kinase Activation and Proliferation of Vascular Smooth Muscle Cells Induced by Oxidized Low Density Lipoprotein. Journal of Biological Chemistry, 1998, 273, 12893-12900.	1.6	79
43	Dual signaling evoked by oxidized LDLs in vascular cells. Free Radical Biology and Medicine, 2017, 106, 118-133.	1.3	79
44	[5] Detection of intracellular reactive oxygen species in cultured cells using fluorescent probes. Methods in Enzymology, 2002, 352, 62-71.	0.4	78
45	Natural ceramide is unable to escape the lysosome, in contrast to a fluorescent analogue. FEBS Letters, 1998, 426, 102-106.	1.3	74
46	Protein Disulfide Isomerase Modification and Inhibition Contribute to ER Stress and Apoptosis Induced by Oxidized Low Density Lipoproteins. Antioxidants and Redox Signaling, 2013, 18, 731-742.	2.5	74
47	Activation of Epithelial Growth Factor Receptor Pathway by Unsaturated Fatty Acids. Circulation Research, 1999, 85, 892-899.	2.0	72
48	Ultraviolet-treated lipoproteins as a model system for the study of the biological effects of lipid peroxides on cultured cells. III. The protective effect of antioxidants (probucol, catechin, vitamin E) against the cytotoxicity of oxidized LDL occurs in two different ways. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1991, 1096, 291-300.	1.8	71
49	Comparative Study of the Metabolic Pools of Sphingomyelin and Phosphatidylcholine Sensitive to Tumor Necrosis Factor. FEBS Journal, 1996, 236, 738-745.	0.2	71
50	Effect of dietary phenolic compounds on apoptosis of human cultured endothelial cells induced by oxidized LDL. British Journal of Pharmacology, 1998, 123, 565-573.	2.7	70
51	nSMase2 (Type 2-Neutral Sphingomyelinase) Deficiency or Inhibition by GW4869 Reduces Inflammation and Atherosclerosis in Apoe ^{â^'/â^'} Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1479-1492.	1.1	66
52	Mildly Oxidized LDL Induces Activation of Platelet-Derived Growth Factor Î²-Receptor Pathway. Circulation, 2001, 104, 1814-1821.	1.6	65
53	Accurate Differentiation of Neuronopathic and Nonneuronopathic Forms of Niemannâ€Pick Disease by Evaluation of the Effective Residual Lysosomal Sphingomyelinase Activity in Intact Cells. Journal of Neurochemistry, 1994, 63, 1060-1068.	2.1	65
54	Desensitization of Platelet-Derived Growth Factor Receptor-Î² by Oxidized Lipids in Vascular Cells and Atherosclerotic Lesions. Circulation Research, 2006, 98, 785-792.	2.0	65

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55	CD40 Signals Apoptosis through FAN-regulated Activation of the Sphingomyelin-Ceramide Pathway. Journal of Biological Chemistry, 1999, 274, 37251-37258.	1.6	64
56	Stressâ€induced apoptosis is not mediated by endolysosomal ceramide. FASEB Journal, 2000, 14, 36-47.	0.2	63
57	Lysosomal sphingomyelinase is not solicited for apoptosis signaling. FASEB Journal, 2001, 15, 297-299.	0.2	63
58	High-Density Lipoproteins Prevent the Oxidized Low-Density Lipoproteinâ€“Induced Endothelial Growth Factor Receptor Activation and Subsequent Matrix Metalloproteinase-2 Upregulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1206-1212.	1.1	63
59	Oxidized LDL and 4-hydroxynonenal modulate tyrosine kinase receptor activity. Molecular Aspects of Medicine, 2003, 24, 251-261.	2.7	62
60	Mitochondrial Function Is Involved in LDL Oxidation Mediated by Human Cultured Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 1575-1582.	1.1	61
61	Ultraviolet-treated lipoproteins as a model system for the study of the biological effects of lipid peroxides on cultured cell. I. Chemical modifications of ultraviolet-treated low-density lipoproteins. Lipids and Lipid Metabolism, 1990, 1045, 219-223.	2.6	60
62	Role for Furin in Tumor Necrosis Factor Alpha-Induced Activation of the Matrix Metalloproteinase/Sphingolipid Mitogenic Pathway. Molecular and Cellular Biology, 2007, 27, 2997-3007.	1.1	60
63	Involvement of Peripheral Benzodiazepine Receptor in the Oxidative Stress, Death-Signaling Pathways, and Renal Injury Induced by Ischemia-Reperfusion. Journal of the American Society of Nephrology: JASN, 2004, 15, 2152-2160.	3.0	58
64	A delayed and sustained rise of cytosolic calcium is elicited by oxidized LDL in cultured bovine aortic endothelial cells. FEBS Letters, 1992, 299, 60-65.	1.3	57
65	Angiotensin II Induces Phenotype-Dependent Apoptosis in Vascular Smooth Muscle Cells. Hypertension, 2001, 38, 1294-1299.	1.3	57
66	Neurodegenerative course in ceramidase deficiency (Farber disease) correlates with the residual lysosomal ceramide turnover in cultured living patient cells. Journal of the Neurological Sciences, 1995, 134, 108-114.	0.3	56
67	Oxidized LDLs trigger endoplasmic reticulum stress and autophagy: Prevention by HDLs. Autophagy, 2011, 7, 541-543.	4.3	56
68	Apoptosis and Activation of the Sphingomyelin-Ceramide Pathway Induced by Oxidized Low Density Lipoproteins Are Not Causally Related in ECV-304 Endothelial Cells. Journal of Biological Chemistry, 1998, 273, 27389-27395.	1.6	55
69	E-Cadherin/Î²-Catenin/T-Cell Factor Pathway Is Involved in Smooth Muscle Cell Proliferation Elicited by Oxidized Low-Density Lipoprotein. Circulation Research, 2008, 103, 694-701.	2.0	54
70	Binding Steps of Apolipoprotein A-I with Phospholipid Monolayers:Â Adsorption and Penetrationâ€. Biochemistry, 1998, 37, 16165-16171.	1.2	53
71	Mitochondrial oxidative stress is modulated by oleic acid via an epidermal growth factor receptor-dependent activation of glutathione peroxidase. Biochemical Journal, 2002, 367, 889-894.	1.7	53
72	Proatherogenic effects of 4-hydroxynonenal. Free Radical Biology and Medicine, 2017, 111, 127-139.	1.3	48

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73	Î±-tocopherol, ascorbic acid, and rutin inhibit synergistically the copper-promoted LDL oxidation and the cytotoxicity of oxidized LDL to cultured endothelial cells. Biological Trace Element Research, 1995, 47, 81-91.	1.9	47
74	MAO-A-induced mitogenic signaling is mediated by reactive oxygen species, MMP-2, and the sphingolipid pathway. Free Radical Biology and Medicine, 2007, 43, 80-89.	1.3	47
75	Prevention by Î±â€tocopherol and rutin of glutathione and ATP depletion induced by oxidized LDL in cultured endothelial cells. British Journal of Pharmacology, 1995, 116, 1985-1990.	2.7	46
76	Elastin aging and lipid oxidation products in human aorta. Redox Biology, 2015, 4, 109-117.	3.9	46
77	Role of reactive oxygen species in atherosclerosis: Lessons from murine genetic models. Free Radical Biology and Medicine, 2020, 149, 8-22.	1.3	46
78	Low Temperatures and Hypertonicity Do Not Block Cytokine-induced Stimulation of the Sphingomyelin Pathway but Inhibit Nuclear Factor-ÎºB Activation. Journal of Biological Chemistry, 1995, 270, 24518-24524.	1.6	44
79	Î±-tocopherol and trolox block the early intracellular events (TBARS and calcium rises) elicited by oxidized low density lipoproteins in cultured endothelial cells. Free Radical Biology and Medicine, 1995, 19, 177-187.	1.3	41
80	The Turnover of Cytoplasmic Triacylglycerols in Human Fibroblasts Involves Two Separate Acyl Chain Length-dependent Degradation Pathways. Journal of Biological Chemistry, 1995, 270, 27027-27034.	1.6	41
81	TRPC1 is regulated by caveolinâ€1 and is involved in oxidized LDLâ€induced apoptosis of vascular smooth muscle cells. Journal of Cellular and Molecular Medicine, 2009, 13, 1620-1631.	1.6	41
82	The Radiation Inactivation Method as a Tool to Study Structure-Function Relationships in Proteins. Methods of Biochemical Analysis, 1987, 32, 313-343.	0.2	41
83	A Key Role for Matrix Metalloproteinases and Neutral Sphingomyelinase-2 in Transplant Vasculopathy Triggered by Anti-HLA Antibody. Circulation, 2011, 124, 2725-2734.	1.6	40
84	Modification of subunit interaction in membrane-bound acid Î²-glucosidase from Gaucher disease. FEBS Letters, 1983, 160, 93-97.	1.3	39
85	Antiatherogenic and antitumoral properties of Opuntia cladodes: inhibition of low density lipoprotein oxidation by vascular cells, and protection against the cytotoxicity of lipid oxidation product 4-hydroxynonenal in a colorectal cancer cellular model. Journal of Physiology and Biochemistry, 2015, 71, 577-587.	1.3	38
86	The sphingomyelin/ceramide pathway is involved in ERK1/2 phosphorylation, cell proliferation, and uPAR overexpression induced by tissueâ€type plasminogen activator. FASEB Journal, 2004, 18, 1398-1400.	0.2	37
87	Alteration of plasma phospholipid fatty acid profile in patients with septic shock. Biochimie, 2013, 95, 2177-2181.	1.3	36
88	Lipid oxidation products and oxidized low-density lipoproteins impair platelet-derived growth factor receptor activity in smooth muscle cells: implication in atherosclerosis. Redox Report, 2007, 12, 96-100.	1.4	35
89	Elastin Modification by 4-Hydroxynonenal in Hairless Mice Exposed to UV-A. Role in Photoaging and Actinic Elastosis. Journal of Investigative Dermatology, 2015, 135, 1873-1881.	0.3	35
90	Mildly oxidized LDL particle subspecies are distinct in their capacity to induce apoptosis in endothelial cells: role of lipid hydroperoxides. FASEB Journal, 2003, 17, 88-90.	0.2	33

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91	WAVELENGTH DEPENDENCE OF PHOTOINDUCED PEROXIDATION AND CYTOTOXICITY OF HUMAN LOW DENSITY LIPOPROTEINS. Photochemistry and Photobiology, 1992, 55, 197-204.	1.3	32
92	Anorexia nervosa patients display a deficit in membrane long chain poly-unsaturated fatty acids. Clinical Nutrition, 2012, 31, 386-390.	2.3	32
93	UV-treated lipoproteins as a model system for the study of the biological effects of lipid peroxides on cultured cells. 4. Calcium is involved in the cytotoxicity of UV-treated LDL on lymphoid cell lines. Lipids and Lipid Metabolism, 1992, 1123, 207-215.	2.6	31
94	Sphingomyelin-degrading pathways in human cells. Chemistry and Physics of Lipids, 1999, 102, 167-178.	1.5	31
95	PropriÃ©tÃ©s des formes molÃ©culaires de la Î²-glucosidase et de la Î²-glucocÃ©rÃ©hrosidase de rate humaine normale et de maladie de Gaucher. FEBS Journal, 2005, 115, 455-461.	0.2	31
96	High glutathionylation of placental endothelial nitric oxide synthase in preeclampsia. Redox Biology, 2019, 22, 101126.	3.9	31
97	Metabolism of neutral lipids in cultured fibroblasts from multisystemic (or type 3) lipid storage myopathy. FEBS Journal, 1987, 164, 703-708.	0.2	30
98	Model SV40-transformed fibroblast lines for metabolic studies of human prosaposin and acid ceramidase deficiencies. Clinica Chimica Acta, 1997, 262, 61-76.	0.5	30
99	Retrovirus-Mediated Correction of the Metabolic Defect in Cultured Farber Disease Cells. Human Gene Therapy, 1999, 10, 1321-1329.	1.4	30
100	Phenolic antioxidants trolox and caffeic acid modulate the oxidized LDL-induced EGF-receptor activation. British Journal of Pharmacology, 2001, 132, 1777-1788.	2.7	30
101	Oxidized low density lipoproteins induce apoptosis in PHA-activated peripheral blood mononuclear cells and in the Jurkat T-cell line. Journal of Lipid Research, 1999, 40, 1200-1210.	2.0	29
102	Oxidized low density lipoproteins elicit DNA fragmentation of cultured lymphoblastoid cells. FEBS Letters, 1992, 305, 155-159.	1.3	28
103	The in situ degradation of ceramide, a potential lipid mediator, is not completely impaired in Farber disease. FEBS Letters, 1993, 329, 306-312.	1.3	28
104	Metabolism of 1-pyrenedecanoic acid and accumulation of neutral fluorescent lipids in cultured fibroblasts of multisystemic lipid storage myopathy. Lipids and Lipid Metabolism, 1987, 920, 131-139.	2.6	27
105	Protection by Ca²⁺ channel blockers (nifedipine, diltiazem and verapamil) against the toxicity of oxidized low density lipoprotein to cultured lymphoid cells. British Journal of Pharmacology, 1992, 107, 738-744.	2.7	27
106	Proliferation and wound healing of vascular cells trigger the generation of extracellular reactive oxygen species and LDL oxidation. Free Radical Biology and Medicine, 2003, 35, 1589-1598.	1.3	27
107	A signaling cascade mediated by ceramide, src and PDGFRÎ² coordinates the activation of the redox-sensitive neutral sphingomyelinase-2 and sphingosine kinase-1. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1344-1356.	1.2	26
108	Small dense HDLs display potent vasorelaxing activity, reflecting their elevated content of sphingosine-1-phosphate. Journal of Lipid Research, 2018, 59, 25-34.	2.0	26

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109	Separation and properties of molecular forms of Î±-galactosidase and Î±-N-acetylgalactosaminidase from blood lymphocytes and lymphoid cell lines transformed by Epstein-Barr virus. Biochimica Et Biophysica Acta - Biomembranes, 1981, 659, 445-456.	1.4	25
110	Comparative Hydrolysis of Sphingomyelin and 2-N-(Hexadecanoyl)-Amino-4-Nitrophenyl-Phosphorylcholine by Normal Human Brain Homogenate at Acid and Neutral pH. Journal of Neurochemistry, 1983, 40, 1762-1764.	2.1	25
111	Enzyme studies on Epstein-Barr virus-transformed lymphoid cell lines from Wolman's disease. Lipids and Lipid Metabolism, 1984, 794, 89-95.	2.6	25
112	A simple method for screening for Farber disease on cultured skin fibroblasts. Clinica Chimica Acta, 1996, 245, 61-71.	0.5	25
113	Stress-Induced Sphingolipid Signaling: Role of Type-2 Neutral Sphingomyelinase in Murine Cell Apoptosis and Proliferation. PLoS ONE, 2010, 5, e9826.	1.1	25
114	4-Hydroxynonenal impairs transforming growth factor-Î²1-induced elastin synthesis via epidermal growth factor receptor activation in human and murine fibroblasts. Free Radical Biology and Medicine, 2014, 71, 427-436.	1.3	25
115	Oxidized <scp>LDL</scp>â€induced angiogenesis involves sphingosine 1â€phosphate: prevention by antiâ€<scp>S1P</scp> antibody. British Journal of Pharmacology, 2015, 172, 106-118.	2.7	25
116	Oxidized HDL are much less cytotoxic to lymphoblastoid cells than oxidized LDL. Lipids and Lipid Metabolism, 1992, 1128, 163-166.	2.6	24
117	Mildly oxidized low-density lipoproteins suppress the proliferation of activated CD4+ T-lymphocytes and their interleukin 2 receptor expression in vitro. Biochemical Journal, 1998, 330, 659-666.	1.7	24
118	Cholesteryl Ester Storage Disease: Relationship between Molecular Defects andin SituActivity of Lysosomal Acid Lipase. Biochemical and Molecular Medicine, 1997, 62, 42-49.	1.5	23
119	Antiatherogenic Effect of Bisvanillyl-Hydralazone, a New Hydralazine Derivative with Antioxidant, Carbonyl Scavenger, and Antiapoptotic Properties. Antioxidants and Redox Signaling, 2011, 14, 2093-2106.	2.5	23
120	Expression of membraneâ€bound and soluble FasL in Fasâ€•and FADDâ€dependent T lymphocyte apoptosis induced by mildly oxidized LDL. FASEB Journal, 2004, 18, 122-124.	0.2	22
121	Mildly Oxidized LDL Evokes a Sustained Ca 2+ -Dependent Retraction of Vascular Smooth Muscle Cells. Circulation Research, 1996, 79, 871-880.	2.0	22
122	Extracellular origin of the lipid lysosomal storage in cultured fibroblasts from Wolman's disease. FEBS Journal, 1987, 170, 453-458.	0.2	21
123	Oxidizability and subsequent cytotoxicity of chylomicrons to monocytic U937 and endothelial cells are dependent on dietary fatty acid composition. Free Radical Biology and Medicine, 1995, 19, 599-607.	1.3	21
124	Significance of two point mutations present in each HEXB allele of patients with adult GM2 gangliosidosis (Sandhoff disease) Homozygosity for the Ile207 â†' Val substitution is not associated with a clinical or biochemical phenotype. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1996, 1317, 127-133.	1.8	21
125	Cytokines correlate with age in healthy volunteers, dialysis patients and kidney-transplant patients. Cytokine, 2009, 45, 169-173.	1.4	21
126	Lysosomal Storage Diseases: Is Impaired Apoptosis a Pathogenic Mechanism?. Neurochemical Research, 2004, 29, 871-880.	1.6	20

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127	Independence of triacylglycerol-containing compartments in cultured fibroblasts from Wolman disease and multisystemic lipid storage myopathy. FEBS Letters, 1989, 250, 35-39.	1.3	19
128	Homocysteine in Chronic Heart Failure. Clinical Laboratory, 2015, 61, 1137-45.	0.2	19
129	Molecular Forms of beta-N-Acetylhexosaminidase in Epstein-Barr Virus-Transformed Lymphoid Cell Lines from Normal Subjects and Patients with Tay-Sachs Disease. FEBS Journal, 1983, 133, 627-633.	0.2	18
130	New Tools for the Study of Niemann-Pick Disease: Analogues of Natural Substrate and Epstein-Barr Virus-transformed Lymphoid Cell Lines. Pediatric Research, 1985, 19, 153-157.	1.1	18
131	Phospholipid hydrolysis of mildly oxidized LDL reduces their cytotoxicity to cultured endothelial cells. Potential protective role against atherogenesis. Lipids and Lipid Metabolism, 1995, 1256, 284-292.	2.6	18
132	The tumour necrosis factor-sensitive pool of sphingomyelin is resynthesized in a distinct compartment of the plasma membrane. Biochemical Journal, 1998, 333, 91-97.	1.7	18
133	The neutral sphingomyelinase-2 is involved in angiogenic signaling triggered by oxidized LDL. Free Radical Biology and Medicine, 2016, 93, 204-216.	1.3	18
134	Dietary cladode powder from wild type and domesticated Opuntia species reduces atherogenesis in apoE knock-out mice. Journal of Physiology and Biochemistry, 2016, 72, 59-70.	1.3	18
135	New spectrophotometric assays of acid lipase and their use in the diagnosis of wolman and cholesteryl ester storage diseases. Analytical Biochemistry, 1985, 145, 398-405.	1.1	17
136	Acyl-chain specificity and properties of cholesterol esterases from normal and Wolman lymphoid cell lines. Lipids and Lipid Metabolism, 1987, 918, 76-82.	2.6	17
137	Cytoplasmic triacylglycerols and cholesteryl esters are degraded in two separate catabolic pools in cultured human fibroblasts. FEBS Letters, 1993, 328, 230-234.	1.3	16
138	Degradation of fluorescent and radiolabelled sphingomyelins in intact cells by a non-lysosomal pathway. Lipids and Lipid Metabolism, 1995, 1258, 277-287.	2.6	16
139	Activation of the {beta}-catenin/T-cell-specific transcription factor/lymphoid enhancer factor-1 pathway by plasminogen activators in ECV304 carcinoma cells. Cancer Research, 2005, 65, 526-32.	0.4	16
140	Acid Lipase and Carboxylesterases in EBV-Transformed Lymphoid Cell Line from Wolmanâ€™s Disease: Influence of Fatty Acid Structure of Substrate. Enzyme, 1984, 31, 241-246.	0.7	15
141	Sphingomyelinase and nonspecific phosphodiesterase activities in epsteinbarr virus-transformed lymphoid cell lines from niemann-pick disease A, B and C. Lipids and Lipid Metabolism, 1984, 793, 321-324.	2.6	15
142	Hydrolysis of fluorescent pyrenetriacylglycerols by lipases from human stomach and gastric juice. Lipids and Lipid Metabolism, 1988, 963, 340-348.	2.6	15
143	Metabolism of pyrenedecanoic acid in Epstein-Barr virus-transformed lymphoid cell lines from normal subjects and from a patient with multisystemic lipid storage myopathy. Lipids and Lipid Metabolism, 1989, 1005, 130-136.	2.6	15
144	Mildly oxidized low-density lipoproteins decrease early production of interleukin 2 and nuclear factor ÎºB binding to DNA in activated T-lymphocytes. Biochemical Journal, 1999, 337, 269-274.	1.7	15

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145	Integrin Î±vÎ²3, metalloproteinases, and sphingomyelinase-2 mediate urokinase mitogenic effect. Cellular Signalling, 2009, 21, 1925-1934.	1.7	15
146	4-Hydroxynonenal Contributes to Fibroblast Senescence in Skin Photoaging Evoked by UV-A Radiation. Antioxidants, 2021, 10, 365.	2.2	15
147	Properties of Multiple Molecular Forms of alpha-Galactosidase and alpha-N Acetylgalactosaminidase from Normal and Fabry Leukocytes. FEBS Journal, 1979, 100, 377-383.	0.2	14
148	Caveolin-1 sensitizes vascular smooth muscle cells to mildly oxidized LDL-induced apoptosis. Biochemical and Biophysical Research Communications, 2008, 369, 889-893.	1.0	13
149	Modification of endothelial nitric oxide synthase by 4-oxo-2(E)-nonenal(ONE) in preeclamptic placentas. Free Radical Biology and Medicine, 2019, 141, 416-425.	1.3	13
150	4-Hydroxynonenal Contributes to Angiogenesis through a Redox-Dependent Sphingolipid Pathway: Prevention by Hydralazine Derivatives. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	1.9	12
151	Synthesis and identification of bis (diacylglycero) phosphoric acid and bis (monoacylglycero) phosphoric acid. Lipids, 1982, 17, 798-802.	0.7	11
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