

Anne Negre-Salvayre

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130
papers

7,814
citations

50
h-index

85
g-index

132
ext. papers

8,496
ext. citations

6.7
avg, IF

5.47
L-index

#	Paper	IF	Citations
130	A role for uncoupling protein-2 as a regulator of mitochondrial hydrogen peroxide generation. <i>FASEB Journal</i> , 1997 , 11, 809-815	0.9	641
129	The gene encoding adipose triglyceride lipase (PNPLA2) is mutated in neutral lipid storage disease with myopathy. <i>Nature Genetics</i> , 2007 , 39, 28-30	36.3	347
128	Pathological aspects of lipid peroxidation. <i>Free Radical Research</i> , 2010 , 44, 1125-71	4	288
127	Hyperglycemia and glycation in diabetic complications. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 3071-80	3.9	264
126	Oxidized low-density lipoprotein-induced apoptosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002 , 1585, 213-21	5	253
125	Small, dense high-density lipoprotein-3 particles are enriched in negatively charged phospholipids: relevance to cellular cholesterol efflux, antioxidative, antithrombotic, anti-inflammatory, and antiapoptotic functionalities. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2715-23	9.4	201
124	Angiogenesis in the atherosclerotic plaque. <i>Redox Biology</i> , 2017 , 12, 18-34	11.3	177
123	Preferential sphingosine-1-phosphate enrichment and sphingomyelin depletion are key features of small dense HDL3 particles: relevance to antiapoptotic and antioxidative activities. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1843-9	9.4	168
122	Mitochondria play a central role in apoptosis induced by alpha-tocopheryl succinate, an agent with antineoplastic activity: comparison with receptor-mediated pro-apoptotic signaling. <i>Biochemistry</i> , 2003 , 42, 4277-91	3.2	140
121	A deletion in the gene encoding sphingomyelin phosphodiesterase 3 (Smpd3) results in osteogenesis and dentinogenesis imperfecta in the mouse. <i>Nature Genetics</i> , 2005 , 37, 803-5	36.3	138
120	Oxidized low-density lipoproteins trigger endoplasmic reticulum stress in vascular cells: prevention by oxygen-regulated protein 150 expression. <i>Circulation Research</i> , 2009 , 104, 328-36	15.7	135
119	Structural modifications of HDL and functional consequences. <i>Atherosclerosis</i> , 2006 , 184, 1-7	3.1	134
118	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. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21533-8	5.4	132
117	Activation of EGF receptor by oxidized LDL. <i>FASEB Journal</i> , 1998 , 12, 665-71	0.9	128
116	Dual role of oxidized LDL on the NF-kappaB signaling pathway. <i>Free Radical Research</i> , 2004 , 38, 541-51	4	116
115	Necrosis and apoptosis induced by oxidized low density lipoproteins occur through two calcium-dependent pathways in lymphoblastoid cells. <i>FASEB Journal</i> , 1994 , 8, 1075-80	0.9	116
114	Role for matrix metalloproteinase-2 in oxidized low-density lipoprotein-induced activation of the sphingomyelin/ceramide pathway and smooth muscle cell proliferation. <i>Circulation</i> , 2004 , 110, 571-8	16.7	114

113	Oxidized LDLs alter the activity of the ubiquitin-proteasome pathway: potential role in oxidized LDL-induced apoptosis. <i>FASEB Journal</i> , 2000 , 14, 532-42	0.9	112
112	Increased reactive oxygen species production with antisense oligonucleotides directed against uncoupling protein 2 in murine endothelial cells. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 757-64	3.6	110
111	Simultaneous determination of allantoin, hypoxanthine, xanthine, and uric acid in serum/plasma by CE. <i>Electrophoresis</i> , 2007 , 28, 381-7	3.6	108
110	Antioxidant and cytoprotective properties of high-density lipoproteins in vascular cells. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 1031-40	7.8	107
109	Two distinct calcium-dependent mitochondrial pathways are involved in oxidized LDL-induced apoptosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 639-45	9.4	102
108	Metabolic syndrome features small, apolipoprotein A-I-poor, triglyceride-rich HDL3 particles with defective anti-apoptotic activity. <i>Atherosclerosis</i> , 2008 , 197, 84-94	3.1	100
107	The sphingomyelin-ceramide signaling pathway is involved in oxidized low density lipoprotein-induced cell proliferation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 19251-5	5.4	99
106	Oxidized LDL-induced smooth muscle cell proliferation involves the EGF receptor/PI-3 kinase/Akt and the sphingolipid signaling pathways. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002 , 22, 1990-5	9.4	98
105	Methylglyoxal induces advanced glycation end product (AGEs) formation and dysfunction of PDGF receptor-beta: implications for diabetic atherosclerosis. <i>FASEB Journal</i> , 2007 , 21, 3096-106	0.9	94
104	Sphingomyelin metabolites in vascular cell signaling and atherogenesis. <i>Progress in Lipid Research</i> , 2000 , 39, 207-29	14.3	93
103	Synthesis and antioxidant activity evaluation of a syringic hydrazones family. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 3019-26	6.8	92
102	Protective effect of 17 beta-estradiol against the cytotoxicity of minimally oxidized LDL to cultured bovine aortic endothelial cells. <i>Atherosclerosis</i> , 1993 , 99, 207-17	3.1	91
101	HDL counterbalance the proinflammatory effect of oxidized LDL by inhibiting intracellular reactive oxygen species rise, proteasome activation, and subsequent NF-kappaB activation in smooth muscle cells. <i>FASEB Journal</i> , 2003 , 17, 743-5	0.9	85
100	Resveratrol inhibits the mTOR mitogenic signaling evoked by oxidized LDL in smooth muscle cells. <i>Atherosclerosis</i> , 2009 , 205, 126-34	3.1	81
99	Carbonyl scavenger and antiatherogenic effects of hydrazine derivatives. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1457-67	7.8	76
98	Advanced glycation end product precursors impair epidermal growth factor receptor signaling. <i>Diabetes</i> , 2002 , 51, 1535-42	0.9	75
97	Bcl-2 alters the balance between apoptosis and necrosis, but does not prevent cell death induced by oxidized low density lipoproteins. <i>FASEB Journal</i> , 1999 , 13, 485-94	0.9	75
96	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. <i>Lipids and Lipid Metabolism</i> , 1990 , 1045, 224-32		73

95	Small, dense HDL 3 particles attenuate apoptosis in endothelial cells: pivotal role of apolipoprotein A-I. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 608-20	5.6	72
94	Potential role for ceramide in mitogen-activated protein kinase activation and proliferation of vascular smooth muscle cells induced by oxidized low density lipoprotein. <i>Journal of Biological Chemistry</i> , 1998 , 273, 12893-900	5.4	71
93	Chemical composition and phenolic compounds profile of cladodes from <i>Opuntia</i> spp. cultivars with different domestication gradient. <i>Journal of Food Composition and Analysis</i> , 2015 , 43, 119-130	4.1	70
92	Detection of intracellular reactive oxygen species in cultured cells using fluorescent probes. <i>Methods in Enzymology</i> , 2002 , 352, 62-71	1.7	70
91	Protein disulfide isomerase modification and inhibition contribute to ER stress and apoptosis induced by oxidized low density lipoproteins. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 731-42	8.4	65
90	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. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1991 , 1096, 281-290	6.9	64
89	Oxidized LDL and 4-hydroxynonenal modulate tyrosine kinase receptor activity. <i>Molecular Aspects of Medicine</i> , 2003 , 24, 251-61	16.7	61
88	Desensitization of platelet-derived growth factor receptor-beta by oxidized lipids in vascular cells and atherosclerotic lesions: prevention by aldehyde scavengers. <i>Circulation Research</i> , 2006 , 98, 785-92	15.7	59
87	Dual signaling evoked by oxidized LDLs in vascular cells. <i>Free Radical Biology and Medicine</i> , 2017 , 106, 118-133	7.8	55
86	spp.: Characterization and Benefits in Chronic Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 8634249	6.7	55
85	Effect of dietary phenolic compounds on apoptosis of human cultured endothelial cells induced by oxidized LDL. <i>British Journal of Pharmacology</i> , 1998 , 123, 565-73	8.6	55
84	Role for furin in tumor necrosis factor alpha-induced activation of the matrix metalloproteinase/sphingolipid mitogenic pathway. <i>Molecular and Cellular Biology</i> , 2007 , 27, 2997-3007	4.8	55
83	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. <i>Lipids and Lipid Metabolism</i> , 1990 , 1045, 219-23		55
82	High-density lipoproteins prevent the oxidized low-density lipoprotein-induced epidermal [corrected] growth factor receptor activation and subsequent matrix metalloproteinase-2 upregulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1206-12	9.4	54
81	Oxidized LDLs trigger endoplasmic reticulum stress and autophagy: prevention by HDLs. <i>Autophagy</i> , 2011 , 7, 541-3	10.2	53
80	Development of novel antiatherogenic biaryls: design, synthesis, and reactivity. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 3171-81	8.3	49
79	Apoptosis and activation of the sphingomyelin-ceramide pathway induced by oxidized low density lipoproteins are not causally related in ECV-304 endothelial cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 27389-95	5.4	49
78	A delayed and sustained rise of cytosolic calcium is elicited by oxidized LDL in cultured bovine aortic endothelial cells. <i>FEBS Letters</i> , 1992 , 299, 60-5	3.8	45

77	E-cadherin/beta-catenin/T-cell factor pathway is involved in smooth muscle cell proliferation elicited by oxidized low-density lipoprotein. <i>Circulation Research</i> , 2008 , 103, 694-701	15.7	44
76	Mitochondrial oxidative stress is modulated by oleic acid via an epidermal growth factor receptor-dependent activation of glutathione peroxidase. <i>Biochemical Journal</i> , 2002 , 367, 889-94	3.8	44
75	Astrocytes accumulate 4-hydroxynonenal adducts in murine scrapie and human Creutzfeldt-Jakob disease. <i>Neurobiology of Disease</i> , 2002 , 11, 386-93	7.5	44
74	Prevention by alpha-tocopherol and rutin of glutathione and ATP depletion induced by oxidized LDL in cultured endothelial cells. <i>British Journal of Pharmacology</i> , 1995 , 116, 1985-90	8.6	42
73	Elastin aging and lipid oxidation products in human aorta. <i>Redox Biology</i> , 2015 , 4, 109-17	11.3	41
72	alpha-Tocopherol, ascorbic acid, and rutin inhibit synergistically the copper-promoted LDL oxidation and the cytotoxicity of oxidized LDL to cultured endothelial cells. <i>Biological Trace Element Research</i> , 1995 , 47, 81-91	4.5	41
71	Oxygen-regulated protein-150 prevents calcium homeostasis deregulation and apoptosis induced by oxidized LDL in vascular cells. <i>Cell Death and Differentiation</i> , 2008 , 15, 1255-65	12.7	40
70	MAO-A-induced mitogenic signaling is mediated by reactive oxygen species, MMP-2, and the sphingolipid pathway. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 80-9	7.8	38
69	alpha-Tocopherol and trolox block the early intracellular events (TBARS and calcium rises) elicited by oxidized low density lipoproteins in cultured endothelial cells. <i>Free Radical Biology and Medicine</i> , 1995 , 19, 177-87	7.8	37
68	TRPC1 is regulated by caveolin-1 and is involved in oxidized LDL-induced apoptosis of vascular smooth muscle cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 1620-1631	5.6	36
67	The sphingomyelin/ceramide pathway is involved in ERK1/2 phosphorylation, cell proliferation, and uPAR overexpression induced by tissue-type plasminogen activator. <i>FASEB Journal</i> , 2004 , 18, 1398-400	0.9	36
66	The turnover of cytoplasmic triacylglycerols in human fibroblasts involves two separate acyl chain length-dependent degradation pathways. <i>Journal of Biological Chemistry</i> , 1995 , 270, 27027-34	5.4	36
65	nSMase2 (Type 2-Neutral Sphingomyelinase) Deficiency or Inhibition by GW4869 Reduces Inflammation and Atherosclerosis in ApoE Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 1479-1492	9.4	36
64	Antiatherogenic and antitumoral properties of <i>Opuntia cladodes</i> : 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. <i>Journal of Physiology and Biochemistry</i> , 2015 , 71, 577-87	5	33
63	A key role for matrix metalloproteinases and neutral sphingomyelinase-2 in transplant vasculopathy triggered by anti-HLA antibody. <i>Circulation</i> , 2011 , 124, 2725-34	16.7	33
62	Design, synthesis, and evaluation of pharmacological properties of cinnamic derivatives as antiatherogenic agents. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 8115-24	8.3	33
61	Wavelength dependence of photoinduced peroxidation and cytotoxicity of human low density lipoproteins. <i>Photochemistry and Photobiology</i> , 1992 , 55, 197-204	3.6	32
60	Lipid oxidation products and oxidized low-density lipoproteins impair platelet-derived growth factor receptor activity in smooth muscle cells: implication in atherosclerosis. <i>Redox Report</i> , 2007 , 12, 96-100	5.9	31

59	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. <i>Lipids and Lipid Metabolism</i> , 1992 , 1123, 207-15		30
58	Role of oxidative stress in the dysfunction of the placental endothelial nitric oxide synthase in preeclampsia. <i>Redox Biology</i> , 2021 , 40, 101861	11.3	30
57	Proatherogenic effects of 4-hydroxynonenal. <i>Free Radical Biology and Medicine</i> , 2017 , 111, 127-139	7.8	28
56	Chlamydia pneumoniae alters mildly oxidized low-density lipoprotein-induced cell death in human endothelial cells, leading to necrosis rather than apoptosis. <i>Journal of Infectious Diseases</i> , 2006 , 193, 136-45	7	28
55	Protection by Ca ²⁺ channel blockers (nifedipine, diltiazem and verapamil) against the toxicity of oxidized low density lipoprotein to cultured lymphoid cells. <i>British Journal of Pharmacology</i> , 1992 , 107, 738-44	8.6	27
54	Oxidized low density lipoproteins elicit DNA fragmentation of cultured lymphoblastoid cells. <i>FEBS Letters</i> , 1992 , 305, 155-9	3.8	27
53	Elastin Modification by 4-Hydroxynonenal in Hairless Mice Exposed to UV-A. Role in Photoaging and Actinic Elastosis. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 1873-1881	4.3	25
52	The grape-derived polyphenol resveratrol differentially affects epidermal and platelet-derived growth factor signaling in human liver myofibroblasts. <i>International Journal of Biochemistry and Cell Biology</i> , 2006 , 38, 629-37	5.6	25
51	Phenolic antioxidants trolox and caffeic acid modulate the oxidized LDL-induced EGF-receptor activation. <i>British Journal of Pharmacology</i> , 2001 , 132, 1777-88	8.6	24
50	Oxidized HDL are much less cytotoxic to lymphoblastoid cells than oxidized LDL. <i>Lipids and Lipid Metabolism</i> , 1992 , 1128, 163-6		24
49	Role of reactive oxygen species in atherosclerosis: Lessons from murine genetic models. <i>Free Radical Biology and Medicine</i> , 2020 , 149, 8-22	7.8	24
48	Iron gene expression profile in atherogenic Mox macrophages. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 1137-46	6.9	24
47	Synthesis of ferulic ester dimers, functionalisation and biological evaluation as potential antiatherogenic and antiplasmodial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 6018-26	3.4	23
46	Proliferation and wound healing of vascular cells trigger the generation of extracellular reactive oxygen species and LDL oxidation. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 1589-98	7.8	23
45	Mildly oxidized LDL particle subspecies are distinct in their capacity to induce apoptosis in endothelial cells: role of lipid hydroperoxides. <i>FASEB Journal</i> , 2003 , 17, 88-90	0.9	23
44	Mildly oxidized low-density lipoproteins suppress the proliferation of activated CD4 ⁺ T-lymphocytes and their interleukin 2 receptor expression in vitro. <i>Biochemical Journal</i> , 1998 , 330 (Pt 2), 659-66	3.8	23
43	High glutathionylation of placental endothelial nitric oxide synthase in preeclampsia. <i>Redox Biology</i> , 2019 , 22, 101126	11.3	22
42	A signaling cascade mediated by ceramide, src and PDGFR α coordinates the activation of the redox-sensitive neutral sphingomyelinase-2 and sphingosine kinase-1. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 1344-56	5	22

41	Antiatherogenic effect of bisvanillyl-hydralazone, a new hydralazine derivative with antioxidant, carbonyl scavenger, and antiapoptotic properties. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2093-106	8.4	22
40	4-Hydroxynonenal impairs transforming growth factor- β -induced elastin synthesis via epidermal growth factor receptor activation in human and murine fibroblasts. <i>Free Radical Biology and Medicine</i> , 2014 , 71, 427-436	7.8	21
39	Stress-induced sphingolipid signaling: role of type-2 neutral sphingomyelinase in murine cell apoptosis and proliferation. <i>PLoS ONE</i> , 2010 , 5, e9826	3.7	21
38	Oxidizability and subsequent cytotoxicity of chylomicrons to monocytic U937 and endothelial cells are dependent on dietary fatty acid composition. <i>Free Radical Biology and Medicine</i> , 1995 , 19, 599-607	7.8	21
37	Oxidized LDL-induced angiogenesis involves sphingosine 1-phosphate: prevention by anti-S1P antibody. <i>British Journal of Pharmacology</i> , 2015 , 172, 106-18	8.6	20
36	Synthesis, antioxidant and cytoprotective evaluation of potential antiatherogenic phenolic hydrazones. A structure-activity relationship insight. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 4269-74	7.4	20
35	Pancreatic bile salt-dependent lipase induces smooth muscle cells proliferation. <i>Circulation</i> , 2003 , 108, 86-91	16.7	20
34	Cytokines correlate with age in healthy volunteers, dialysis patients and kidney-transplant patients. <i>Cytokine</i> , 2009 , 45, 169-73	4	18
33	Dietary cladode powder from wild type and domesticated <i>Opuntia</i> species reduces atherogenesis in apoE knock-out mice. <i>Journal of Physiology and Biochemistry</i> , 2016 , 72, 59-70	5	17
32	Pharmacodynamic monitoring of the conversion from mycophenolate mofetil to enteric-coated mycophenolate sodium in stable kidney-allograft recipients. <i>International Immunopharmacology</i> , 2008 , 8, 769-73	5.8	17
31	Establishment of callus and cell suspensions of wild and domesticated <i>Opuntia</i> species: study on their potential as a source of metabolite production. <i>Plant Cell, Tissue and Organ Culture</i> , 2016 , 124, 181-189	2.7	16
30	Phospholipid hydrolysis of mildly oxidized LDL reduces their cytotoxicity to cultured endothelial cells. Potential protective role against atherogenesis. <i>Lipids and Lipid Metabolism</i> , 1995 , 1256, 284-92		16
29	The neutral sphingomyelinase-2 is involved in angiogenic signaling triggered by oxidized LDL. <i>Free Radical Biology and Medicine</i> , 2016 , 93, 204-16	7.8	16
28	Synthesis and biological evaluation of diarylheptanoids as potential antioxidant and anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2018 , 144, 289-299	6.8	16
27	Small dense HDLs display potent vasorelaxing activity, reflecting their elevated content of sphingosine-1-phosphate. <i>Journal of Lipid Research</i> , 2018 , 59, 25-34	6.3	16
26	Activation of the β -catenin/T-cell-specific transcription factor/lymphoid enhancer factor-1 pathway by plasminogen activators in ECV304 carcinoma cells. <i>Cancer Research</i> , 2005 , 65, 526-32	10.1	16
25	Cytoplasmic triacylglycerols and cholesteryl esters are degraded in two separate catabolic pools in cultured human fibroblasts. <i>FEBS Letters</i> , 1993 , 328, 230-4	3.8	15
24	Integrin $\alpha(v)\beta(3)$, metalloproteinases, and sphingomyelinase-2 mediate urokinase mitogenic effect. <i>Cellular Signalling</i> , 2009 , 21, 1925-34	4.9	14

23	Combining Volumetric and Wall Shear Stress Analysis from CT to Assess Risk of Abdominal Aortic Aneurysm Progression. <i>Radiology</i> , 2020 , 295, 722-729	20.5	13
22	Novel indole-2-carboxamide and cycloalkeno[1,2-b]indole derivatives. Structure-activity relationships for high inhibition of human LDL peroxidation. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 1201-10	8.3	12
21	Caveolin-1 sensitizes vascular smooth muscle cells to mildly oxidized LDL-induced apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 889-93	3.4	12
20	Polyoma BK virus-associated nephropathy in kidney-transplant patients: Effects of leflunomide on T-cell functions and disease outcome. <i>International Immunopharmacology</i> , 2009 , 9, 1131-6	5.8	11
19	Hydrolysis of fluorescent pyrene-acyl esters by human pancreatic carboxylic ester hydrolase and bile salt-stimulated lipase. <i>Lipids</i> , 1990 , 25, 428-34	1.6	9
18	Synthesis and evaluation of antioxidant phenolic diaryl hydrazones as potent antiangiogenic agents in atherosclerosis. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 3571-8	3.4	8
17	Modification of endothelial nitric oxide synthase by 4-oxo-2(E)-nonenal(ONE) in preeclamptic placentas. <i>Free Radical Biology and Medicine</i> , 2019 , 141, 416-425	7.8	8
16	4-Hydroxynonenal Contributes to Angiogenesis through a Redox-Dependent Sphingolipid Pathway: Prevention by Hydralazine Derivatives. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 9172741	6.7	7
15	Effect of 4-hydroxynonenal on phosphatidylethanolamine containing condensed monolayer and on its interaction with apolipoprotein A-I. <i>FEBS Letters</i> , 2005 , 579, 5074-8	3.8	7
14	Comparative cytoprotective effect of dihydropyridine calcium channel blockers against the toxicity of oxidized low density lipoprotein for cultured lymphoid cells. <i>Biochemical Pharmacology</i> , 1992 , 44, 2379-86	6	7
13	Hyaluronan synthase-2 upregulation protects smpd3-deficient fibroblasts against cell death induced by nutrient deprivation, but not against apoptosis evoked by oxidized LDL. <i>Redox Biology</i> , 2015 , 4, 118-26	11.3	6
12	Annexin II-dependent actin remodelling evoked by hydrogen peroxide requires the metalloproteinase/sphingolipid pathway. <i>Redox Biology</i> , 2015 , 4, 169-79	11.3	5
11	Mechanisms of human smooth muscle cell proliferation and transplant vasculopathy induced by HLA class I antibodies: in vitro and in vivo studies. <i>Human Immunology</i> , 2012 , 73, 1253-60	2.3	5
10	In vitro mitogen-stimulated T-cell from hepatitis C virus-positive liver transplantation candidates, increases T-cell activation markers and T-cell proliferation. <i>Transplant Immunology</i> , 2008 , 19, 112-9	1.7	5
9	Oxidized LDL-induced apoptosis. <i>Sub-Cellular Biochemistry</i> , 2002 , 36, 123-50	5.5	5
8	Study of Carnosine's effect on nude mice skin to prevent UV-A damage. <i>Free Radical Biology and Medicine</i> , 2021 , 173, 97-103	7.8	4
7	Opuntia cladode powders inhibit adipogenesis in 3 T3-F442A adipocytes and a high-fat-diet rat model by modifying metabolic parameters and favouring faecal fat excretion. <i>BMC Complementary Medicine and Therapies</i> , 2020 , 20, 33	2.9	3
6	Escherichia coli morphological changes and lipid A removal induced by reduced pressure nitrogen afterglow exposure. <i>PLoS ONE</i> , 2015 , 10, e0116083	3.7	3

5	4-Hydroxynonenal Contributes to Fibroblast Senescence in Skin Photoaging Evoked by UV-A Radiation. <i>Antioxidants</i> , 2021 , 10,	7.1	3
4	FTY720 Inhibits Tumor Necrosis Factor-alpha-Induced Proliferation and Extracellular Signal-Regulated Kinase Phosphorylation of Human Smooth Muscle Cells. <i>Transplantation Proceedings</i> , 2009 , 41, 705-6	1.1	2
3	Sphingomyelinase disables Piezo1 channel inactivation to enable sustained response to mechanical force		2
2	A role for 4-hydroxy-2-nonenal in premature placental senescence in preeclampsia and intrauterine growth restriction. <i>Free Radical Biology and Medicine</i> , 2021 , 164, 303-314	7.8	2
1	Phenolic Compounds Accumulation in Wild and Domesticated Cladodes from <i>Opuntia</i> spp. and Its Benefits in Cardiovascular Diseases. <i>ACS Symposium Series</i> , 2018 , 371-382	0.4	0