Gabriella Marisa Leonarduzzi

List of Publications by Year in Descending Order

87 papers	5,038 citations	42 h-index	70 g-index
97 ext. papers	5,529 ext. citations	6.9 avg, IF	5.36 L-index

#	Paper	IF	Citations
87	Macrophage polarization by potential nutraceutical compounds: A strategic approach to counteract inflammation in atherosclerosis.. *Free Radical Biology and Medicine*, **2022**, 181, 251-251	7.8	1
86	Cholesterol Dysmetabolism in Alzheimer's Disease: A Starring Role for Astrocytes?. *Antioxidants*, **2021**, 10,	7.1	1
85	The Controversial Role of 24-S-Hydroxycholesterol in Alzheimer's Disease. *Antioxidants*, **2021**, 10,	7.1	8
84	Oxysterols present in Alzheimer's disease brain induce synaptotoxicity by activating astrocytes: A major role for lipocalin-2. *Redox Biology*, **2021**, 39, 101837	11.3	14
83	Up-regulation of PCSK6 by lipid oxidation products: A possible role in atherosclerosis. *Biochimie*, **2021**, 181, 191-203	4.6	3
82	A Crosstalk Between Brain Cholesterol Oxidation and Glucose Metabolism in Alzheimer's Disease. *Frontiers in Neuroscience*, **2019**, 13, 556	5.1	30
81	Lipid Oxidation Derived Aldehydes and Oxysterols Between Health and Disease. *European Journal of Lipid Science and Technology*, **2019**, 121, 1700047	3	50
80	Implication of oxysterols in chronic inflammatory human diseases. *Biochimie*, **2018**, 153, 220-231	4.6	43
79	Up-regulation of COX-2 and mPGES-1 by 27-hydroxycholesterol and 4-hydroxynonenal: A crucial role in atherosclerotic plaque instability. *Free Radical Biology and Medicine*, **2018**, 129, 354-363	7.8	8
78	A silver lining for 24-hydroxycholesterol in Alzheimer's disease: The involvement of the neuroprotective enzyme sirtuin 1. *Redox Biology*, **2018**, 17, 423-431	11.3	25
77	The role of autophagy in survival response induced by 27-hydroxycholesterol in human promonocytic cells. *Redox Biology*, **2018**, 17, 400-410	11.3	17
76	Oxysterols and 4-hydroxy-2-nonenal contribute to atherosclerotic plaque destabilization. *Free Radical Biology and Medicine*, **2017**, 111, 140-150	7.8	33
75	Changes in brain oxysterols at different stages of Alzheimer's disease: Their involvement in neuroinflammation. *Redox Biology*, **2016**, 10, 24-33	11.3	122
74	Nrf2 antioxidant defense is involved in survival signaling elicited by 27-hydroxycholesterol in human promonocytic cells. *Free Radical Biology and Medicine*, **2016**, 91, 93-104	7.8	18
73	Oxysterols and mechanisms of survival signaling. *Molecular Aspects of Medicine*, **2016**, 49, 8-22	16.7	28
72	The role of oxysterols in vascular ageing. *Journal of Physiology*, **2016**, 594, 2095-113	3.9	45
71	The role of p38 MAPK in the induction of intestinal inflammation by dietary oxysterols: modulation by wine phenolics. *Food and Function*, **2015**, 6, 1218-28	6.1	32

70	Relation between TLR4/NF-B signaling pathway activation by 27-hydroxycholesterol and 4-hydroxynonenal, and atherosclerotic plaque instability. *Aging Cell*, **2015**, 14, 569-81	9.9	83
69	Oxidized cholesterol as the driving force behind the development of Alzheimer's disease. *Frontiers in Aging Neuroscience*, **2015**, 7, 119	5.3	92
68	Up-regulation of -amyloidogenesis in neuron-like human cells by both 24- and 27-hydroxycholesterol: protective effect of N-acetyl-cysteine. *Aging Cell*, **2014**, 13, 561-72	9.9	40
67	Wine consumption and intestinal redox homeostasis. *Redox Biology*, **2014**, 2, 795-802	11.3	56
66	Inhibition of pathogenic non-enveloped viruses by 25-hydroxycholesterol and 27-hydroxycholesterol. *Scientific Reports*, **2014**, 4, 7487	4.9	68
65	Survival signaling elicited by 27-hydroxycholesterol through the combined modulation of cellular redox state and ERK/Akt phosphorylation. *Free Radical Biology and Medicine*, **2014**, 77, 376-85	7.8	34
64	Modulation of cell signaling pathways by oxysterols in age-related human diseases. *Free Radical Biology and Medicine*, **2014**, 75 Suppl 1, S5	7.8	5
63	Loading into nanoparticles improves quercetin's efficacy in preventing neuroinflammation induced by oxysterols. *PLoS ONE*, **2014**, 9, e96795	3.7	58
62	Metalloproteinases and metalloproteinase inhibitors in age-related diseases. *Current Pharmaceutical Design*, **2014**, 20, 2993-3018	3.3	19
61	Evidence of cell damage induced by major components of a diet-compatible mixture of oxysterols in human colon cancer CaCo-2 cell line. *Biochimie*, **2013**, 95, 632-40	4.6	25
60	Phenolic compounds present in Sardinian wine extracts protect against the production of inflammatory cytokines induced by oxysterols in CaCo-2 human enterocyte-like cells. *Biochemical Pharmacology*, **2013**, 86, 138-45	6	31
59	Oxysterols in the pathogenesis of major chronic diseases. *Redox Biology*, **2013**, 1, 125-30	11.3	189
58	Inflammatory bowel disease: mechanisms, redox considerations, and therapeutic targets. *Antioxidants and Redox Signaling*, **2013**, 19, 1711-47	8.4	143
57	The link between altered cholesterol metabolism and Alzheimer's disease. *Annals of the New York Academy of Sciences*, **2012**, 1259, 54-64	6.5	84
56	Potentiation of amyloid- peptide neurotoxicity in human dental-pulp neuron-like cells by the membrane lipid peroxidation product 4-hydroxynonenal. *Free Radical Biology and Medicine*, **2012**, 53, 1708-17	7.8	14
55	Inflammation-related gene expression by lipid oxidation-derived products in the progression of atherosclerosis. *Free Radical Biology and Medicine*, **2012**, 52, 19-34	7.8	76
54	Molecular signaling involved in oxysterol-induced -integrin over-expression in human macrophages. *International Journal of Molecular Sciences*, **2012**, 13, 14278-93	6.3	10
53	Progressive increase of matrix metalloprotease-9 and interleukin-8 serum levels during carcinogenic process in human colorectal tract. *PLoS ONE*, **2012**, 7, e41839	3.7	24

52	Polyphenol supplementation as a complementary medicinal approach to treating inflammatory bowel disease. *Current Medicinal Chemistry*, **2011**, 18, 4851-65	4.3	102
51	Interaction between 24-hydroxycholesterol, oxidative stress, and amyloid-β in amplifying neuronal damage in Alzheimer's disease: three partners in crime. *Aging Cell*, **2011**, 10, 403-17	9.9	67
50	Alternate-day fasting reverses the age-associated hypertrophy phenotype in rat heart by influencing the ERK and PI3K signaling pathways. *Mechanisms of Ageing and Development*, **2011**, 132, 305-14	5.6	17
49	Plaque oxysterols induce unbalanced up-regulation of matrix metalloproteinase-9 in macrophagic cells through redox-sensitive signaling pathways: Implications regarding the vulnerability of atherosclerotic lesions. *Free Radical Biology and Medicine*, **2011**, 51, 844-55	7.8	38
48	Dietary lipids and their oxidized products in Alzheimer's disease. *Molecular Nutrition and Food Research*, **2011**, 55 Suppl 2, S161-72	5.9	36
47	New insights into redox-modulated cell signaling. *Current Pharmaceutical Design*, **2011**, 17, 3994-4006	3.3	29
46	Design and development of nanovehicle-based delivery systems for preventive or therapeutic supplementation with flavonoids. *Current Medicinal Chemistry*, **2010**, 17, 74-95	4.3	114
45	Targeting tissue oxidative damage by means of cell signaling modulators: the antioxidant concept revisited. *Pharmacology & Therapeutics*, **2010**, 128, 336-74	13.9	58
44	Alternate-day fasting protects the rat heart against age-induced inflammation and fibrosis by inhibiting oxidative damage and NF-kB activation. *Free Radical Biology and Medicine*, **2010**, 48, 47-54	7.8	63
43	Proinflammatory effect of cholesterol and its oxidation products on CaCo-2 human enterocyte-like cells: effective protection by epigallocatechin-3-gallate. *Free Radical Biology and Medicine*, **2010**, 49, 2049-57	7.8	49
42	Molecular signaling operated by a diet-compatible mixture of oxysterols in up-regulating CD36 receptor in CD68 positive cells. *Molecular Nutrition and Food Research*, **2010**, 54 Suppl 1, S31-41	5.9	25
41	Cholesterol oxidation products and disease: an emerging topic of interest in medicinal chemistry. *Current Medicinal Chemistry*, **2009**, 16, 685-705	4.3	104
40	Pro-oxidant and proapoptotic effects of cholesterol oxidation products on human colonic epithelial cells: a potential mechanism of inflammatory bowel disease progression. *Free Radical Biology and Medicine*, **2009**, 47, 1731-41	7.8	49
39	The core-aldehyde 9-oxononanoyl cholesterol increases the level of transforming growth factor beta1-specific receptors on promonocytic U937 cell membranes. *Aging Cell*, **2009**, 8, 77-87	9.9	8
38	Cholesterol oxidation products in the vascular remodeling due to atherosclerosis. *Molecular Aspects of Medicine*, **2009**, 30, 180-9	16.7	103
37	Oxidation as a crucial reaction for cholesterol to induce tissue degeneration: CD36 overexpression in human promonocytic cells treated with a biologically relevant oxysterol mixture. *Aging Cell*, **2008**, 7, 375-82	9.9	30
36	4-Hydroxynonenal-protein adducts: A reliable biomarker of lipid oxidation in liver diseases. *Molecular Aspects of Medicine*, **2008**, 29, 67-71	16.7	117
35	4-hydroxynonenal: a membrane lipid oxidation product of medicinal interest. *Medicinal Research Reviews*, **2008**, 28, 569-631	14.4	324

34	Lipid peroxidation and inflammatory molecules as markers of coronary artery disease. *Redox Report* , **2007**, 12, 81-5	5.9	3
33	Activation of the mitochondrial pathway of apoptosis by oxysterols. *Frontiers in Bioscience - Landmark*, **2007**, 12, 791-9	2.8	23
32	c-Jun N-terminal kinase upregulation as a key event in the proapoptotic interaction between transforming growth factor-beta1 and 4-hydroxynonenal in colon mucosa. *Free Radical Biology and Medicine*, **2006**, 41, 443-54	7.8	45
31	Early involvement of ROS overproduction in apoptosis induced by 7-ketocholesterol. *Antioxidants and Redox Signaling*, **2006**, 8, 375-80	8.4	55
30	Expression and synthesis of TGFbeta1 is induced in macrophages by 9-oxononanoyl cholesterol, a major cholesteryl ester oxidation product. *BioFactors*, **2005**, 24, 209-16	6.1	17
29	Role of 4-hydroxy-2,3-nonenal in the pathogenesis of fibrosis. *BioFactors*, **2005**, 24, 229-36	6.1	21
28	Oxysterol-induced up-regulation of MCP-1 expression and synthesis in macrophage cells. *Free Radical Biology and Medicine*, **2005**, 39, 1152-61	7.8	69
27	4-Hydroxynonenal and cholesterol oxidation products in atherosclerosis. *Molecular Nutrition and Food Research*, **2005**, 49, 1044-9	5.9	122
26	Calorie restriction protects against age-related rat aorta sclerosis. *FASEB Journal*, **2005**, 19, 1863-5	0.9	50
25	Oxysterol mixtures prevent proapoptotic effects of 7-ketocholesterol in macrophages: implications for proatherogenic gene modulation. *FASEB Journal*, **2004**, 18, 693-5	0.9	88
24	Signaling kinases modulated by 4-hydroxynonenal. *Free Radical Biology and Medicine*, **2004**, 37, 1694-702	7.8	115
23	Trojan horse-like behavior of a biologically representative mixture of oxysterols. *Molecular Aspects of Medicine*, **2004**, 25, 155-67	16.7	31
22	4-Hydroxynonenal Signaling **2003**, 180-193		1
21	Oxidized products of cholesterol: dietary and metabolic origin, and proatherosclerotic effects (review). *Journal of Nutritional Biochemistry*, **2002**, 13, 700-710	6.3	144
20	Cholesterol oxidation products and fibrogenesis. *BioFactors*, **2001**, 15, 117-9	6.1	1
19	Physiological amounts of ascorbate potentiate phorbol ester-induced nuclear-binding of AP-1 transcription factor in cells of macrophagic lineage. *Free Radical Biology and Medicine*, **2001**, 31, 374-82	7.8	21
18	Up-regulation of the fibrogenic cytokine TGF-beta1 by oxysterols: a mechanistic link between cholesterol and atherosclerosis. *FASEB Journal*, **2001**, 15, 1619-21	0.9	59
17	Lipid oxidation products in cell signaling. *Free Radical Biology and Medicine*, **2000**, 28, 1370-8	7.8	170

16	Liver AP-1 activation due to carbon tetrachloride is potentiated by 1,2-dibromoethane but is inhibited by alpha-tocopherol or gadolinium chloride. *Free Radical Biology and Medicine*, **1999**, 26, 1108-16	7.8	27
15	Oxidative Damage and Fibrosclerosis in Various Tissues **1998**, 145-149		
14	Detection of cytochrome P4503A (CYP3A) in human hepatic stellate cells. *Biochemical and Biophysical Research Communications*, **1997**, 238, 420-4	3.4	15
13	The lipid peroxidation end product 4-hydroxy-2,3-nonenal up-regulates transforming growth factor beta1 expression in the macrophage lineage: a link between oxidative injury and fibrosclerosis. *FASEB Journal*, **1997**, 11, 851-7	0.9	233
12	Activation of human immunodeficiency virus long terminal repeat by arachidonic acid. *Free Radical Biology and Medicine*, **1997**, 22, 195-9	7.8	5
11	Oxidative damage and transforming growth factor beta 1 expression in pretumoral and tumoral lesions of human intestine. *Free Radical Biology and Medicine*, **1997**, 22, 889-94	7.8	37
10	Biogenic 4-hydroxy-2-nonenal activates transcription factor AP-1 but not NF-kappa B in cells of the macrophage lineage. *BioFactors*, **1997**, 6, 173-9	6.1	59
9	Induction of procollagen type I gene expression and synthesis in human hepatic stellate cells by 4-hydroxy-2,3-nonenal and other 4-hydroxy-2,3-alkenals is related to their molecular structure. *Biochemical and Biophysical Research Communications*, **1996**, 222, 261-4	3.4	55
8	Nuclear factor kB is activated by arachidonic acid but not by eicosapentaenoic acid. *Biochemical and Biophysical Research Communications*, **1996**, 229, 643-7	3.4	150
7	On the role of lipid peroxidation in the pathogenesis of liver damage induced by long-standing cholestasis. *Free Radical Biology and Medicine*, **1996**, 20, 351-9	7.8	135
6	Hepatocellular metabolism of 4-hydroxy-2,3-nonenal is impaired in conditions of chronic cholestasis. *Biochemical and Biophysical Research Communications*, **1995**, 214, 669-75	3.4	16
5	Role of aldehyde metabolizing enzymes in mediating effects of aldehyde products of lipid peroxidation in liver cells. *Carcinogenesis*, **1994**, 15, 1359-64	4.6	88
4	Modulation of hepatic fibrogenesis by antioxidants. *Molecular Aspects of Medicine*, **1993**, 14, 259-64	16.7	12
3	Vitamin E dietary supplementation inhibits transforming growth factor beta 1 gene expression in the rat liver. *FEBS Letters*, **1992**, 308, 267-70	3.8	114
2	Vitamin E dietary supplementation protects against carbon tetrachloride-induced chronic liver damage and cirrhosis. *Hepatology*, **1992**, 16, 1014-21	11.2	178
1	CCl4-induced increase of hepatocyte free arachidonate level: pathogenesis and contribution to cell death. *Chemico-Biological Interactions*, **1990**, 74, 195-206	5	14