

# Gabriella Marisa Leonarduzzi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	4-hydroxynonenal: a membrane lipid oxidation product of medicinal interest. <i>Medicinal Research Reviews</i> , <b>2008</b> , 28, 569-631	14.4	324
86	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. <i>FASEB Journal</i> , <b>1997</b> , 11, 851-7	0.9	233
85	Oxysterols in the pathogenesis of major chronic diseases. <i>Redox Biology</i> , <b>2013</b> , 1, 125-30	11.3	189
84	Vitamin E dietary supplementation protects against carbon tetrachloride-induced chronic liver damage and cirrhosis. <i>Hepatology</i> , <b>1992</b> , 16, 1014-21	11.2	178
83	Lipid oxidation products in cell signaling. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 1370-8	7.8	170
82	Nuclear factor kB is activated by arachidonic acid but not by eicosapentaenoic acid. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 229, 643-7	3.4	150
81	Oxidized products of cholesterol: dietary and metabolic origin, and proatherosclerotic effects (review). <i>Journal of Nutritional Biochemistry</i> , <b>2002</b> , 13, 700-710	6.3	144
80	Inflammatory bowel disease: mechanisms, redox considerations, and therapeutic targets. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1711-47	8.4	143
79	On the role of lipid peroxidation in the pathogenesis of liver damage induced by long-standing cholestasis. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 20, 351-9	7.8	135
78	Changes in brain oxysterols at different stages of Alzheimer's disease: Their involvement in neuroinflammation. <i>Redox Biology</i> , <b>2016</b> , 10, 24-33	11.3	122
77	4-Hydroxynonenal and cholesterol oxidation products in atherosclerosis. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 1044-9	5.9	122
76	4-Hydroxynonenal-protein adducts: A reliable biomarker of lipid oxidation in liver diseases. <i>Molecular Aspects of Medicine</i> , <b>2008</b> , 29, 67-71	16.7	117
75	Signaling kinases modulated by 4-hydroxynonenal. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 1694-702	7.8	115
74	Design and development of nanovehicle-based delivery systems for preventive or therapeutic supplementation with flavonoids. <i>Current Medicinal Chemistry</i> , <b>2010</b> , 17, 74-95	4.3	114
73	Vitamin E dietary supplementation inhibits transforming growth factor beta 1 gene expression in the rat liver. <i>FEBS Letters</i> , <b>1992</b> , 308, 267-70	3.8	114
72	Cholesterol oxidation products and disease: an emerging topic of interest in medicinal chemistry. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 685-705	4.3	104
71	Cholesterol oxidation products in the vascular remodeling due to atherosclerosis. <i>Molecular Aspects of Medicine</i> , <b>2009</b> , 30, 180-9	16.7	103

70	Polyphenol supplementation as a complementary medicinal approach to treating inflammatory bowel disease. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 4851-65	4.3	102
69	Oxidized cholesterol as the driving force behind the development of Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , <b>2015</b> , 7, 119	5.3	92
68	Oxysterol mixtures prevent proapoptotic effects of 7-ketocholesterol in macrophages: implications for proatherogenic gene modulation. <i>FASEB Journal</i> , <b>2004</b> , 18, 693-5	0.9	88
67	Role of aldehyde metabolizing enzymes in mediating effects of aldehyde products of lipid peroxidation in liver cells. <i>Carcinogenesis</i> , <b>1994</b> , 15, 1359-64	4.6	88
66	The link between altered cholesterol metabolism and Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , <b>2012</b> , 1259, 54-64	6.5	84
65	Relation between TLR4/NF- $\kappa$ B signaling pathway activation by 27-hydroxycholesterol and 4-hydroxynonenal, and atherosclerotic plaque instability. <i>Aging Cell</i> , <b>2015</b> , 14, 569-81	9.9	83
64	Inflammation-related gene expression by lipid oxidation-derived products in the progression of atherosclerosis. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 19-34	7.8	76
63	Oxysterol-induced up-regulation of MCP-1 expression and synthesis in macrophage cells. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 39, 1152-61	7.8	69
62	Inhibition of pathogenic non-enveloped viruses by 25-hydroxycholesterol and 27-hydroxycholesterol. <i>Scientific Reports</i> , <b>2014</b> , 4, 7487	4.9	68
61	Interaction between 24-hydroxycholesterol, oxidative stress, and amyloid- $\beta$ in amplifying neuronal damage in Alzheimer's disease: three partners in crime. <i>Aging Cell</i> , <b>2011</b> , 10, 403-17	9.9	67
60	Alternate-day fasting protects the rat heart against age-induced inflammation and fibrosis by inhibiting oxidative damage and NF- $\kappa$ B activation. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 47-54	7.8	63
59	Biogenic 4-hydroxy-2-nonenal activates transcription factor AP-1 but not NF-kappa B in cells of the macrophage lineage. <i>BioFactors</i> , <b>1997</b> , 6, 173-9	6.1	59
58	Up-regulation of the fibrogenic cytokine TGF-beta1 by oxysterols: a mechanistic link between cholesterol and atherosclerosis. <i>FASEB Journal</i> , <b>2001</b> , 15, 1619-21	0.9	59
57	Targeting tissue oxidative damage by means of cell signaling modulators: the antioxidant concept revisited. <i>Pharmacology &amp; Therapeutics</i> , <b>2010</b> , 128, 336-74	13.9	58
56	Loading into nanoparticles improves quercetin's efficacy in preventing neuroinflammation induced by oxysterols. <i>PLoS ONE</i> , <b>2014</b> , 9, e96795	3.7	58
55	Wine consumption and intestinal redox homeostasis. <i>Redox Biology</i> , <b>2014</b> , 2, 795-802	11.3	56
54	Early involvement of ROS overproduction in apoptosis induced by 7-ketocholesterol. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 375-80	8.4	55
53	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. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 222, 261-4	3.4	55

52	Calorie restriction protects against age-related rat aorta sclerosis. <i>FASEB Journal</i> , <b>2005</b> , 19, 1863-5	0.9	50
51	Lipid Oxidation Derived Aldehydes and Oxysterols Between Health and Disease. <i>European Journal of Lipid Science and Technology</i> , <b>2019</b> , 121, 1700047	3	50
50	Pro-oxidant and proapoptotic effects of cholesterol oxidation products on human colonic epithelial cells: a potential mechanism of inflammatory bowel disease progression. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 1731-41	7.8	49
49	Proinflammatory effect of cholesterol and its oxidation products on CaCo-2 human enterocyte-like cells: effective protection by epigallocatechin-3-gallate. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 2049-57	7.8	49
48	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. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, 443-54	7.8	45
47	The role of oxysterols in vascular ageing. <i>Journal of Physiology</i> , <b>2016</b> , 594, 2095-113	3.9	45
46	Implication of oxysterols in chronic inflammatory human diseases. <i>Biochimie</i> , <b>2018</b> , 153, 220-231	4.6	43
45	Up-regulation of Amyloidogenesis in neuron-like human cells by both 24- and 27-hydroxycholesterol: protective effect of N-acetyl-cysteine. <i>Aging Cell</i> , <b>2014</b> , 13, 561-72	9.9	40
44	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. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 844-55	7.8	38
43	Oxidative damage and transforming growth factor beta 1 expression in pretumoral and tumoral lesions of human intestine. <i>Free Radical Biology and Medicine</i> , <b>1997</b> , 22, 889-94	7.8	37
42	Dietary lipids and their oxidized products in Alzheimer's disease. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55 Suppl 2, S161-72	5.9	36
41	Survival signaling elicited by 27-hydroxycholesterol through the combined modulation of cellular redox state and ERK/Akt phosphorylation. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 77, 376-85	7.8	34
40	Oxysterols and 4-hydroxy-2-nonenal contribute to atherosclerotic plaque destabilization. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 111, 140-150	7.8	33
39	The role of p38 MAPK in the induction of intestinal inflammation by dietary oxysterols: modulation by wine phenolics. <i>Food and Function</i> , <b>2015</b> , 6, 1218-28	6.1	32
38	Phenolic compounds present in Sardinian wine extracts protect against the production of inflammatory cytokines induced by oxysterols in CaCo-2 human enterocyte-like cells. <i>Biochemical Pharmacology</i> , <b>2013</b> , 86, 138-45	6	31
37	Trojan horse-like behavior of a biologically representative mixture of oxysterols. <i>Molecular Aspects of Medicine</i> , <b>2004</b> , 25, 155-67	16.7	31
36	A Crosstalk Between Brain Cholesterol Oxidation and Glucose Metabolism in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 556	5.1	30
35	Oxidation as a crucial reaction for cholesterol to induce tissue degeneration: CD36 overexpression in human promonocytic cells treated with a biologically relevant oxysterol mixture. <i>Aging Cell</i> , <b>2008</b> , 7, 375-82	9.9	30

34	New insights into redox-modulated cell signaling. <i>Current Pharmaceutical Design</i> , <b>2011</b> , 17, 3994-4006	3.3	29
33	Oxysterols and mechanisms of survival signaling. <i>Molecular Aspects of Medicine</i> , <b>2016</b> , 49, 8-22	16.7	28
32	Liver AP-1 activation due to carbon tetrachloride is potentiated by 1,2-dibromoethane but is inhibited by alpha-tocopherol or gadolinium chloride. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 26, 1108-1116	7.8	27
31	Evidence of cell damage induced by major components of a diet-compatible mixture of oxysterols in human colon cancer CaCo-2 cell line. <i>Biochimie</i> , <b>2013</b> , 95, 632-40	4.6	25
30	Molecular signaling operated by a diet-compatible mixture of oxysterols in up-regulating CD36 receptor in CD68 positive cells. <i>Molecular Nutrition and Food Research</i> , <b>2010</b> , 54 Suppl 1, S31-41	5.9	25
29	A silver lining for 24-hydroxycholesterol in Alzheimer's disease: The involvement of the neuroprotective enzyme sirtuin 1. <i>Redox Biology</i> , <b>2018</b> , 17, 423-431	11.3	25
28	Progressive increase of matrix metalloproteinase-9 and interleukin-8 serum levels during carcinogenic process in human colorectal tract. <i>PLoS ONE</i> , <b>2012</b> , 7, e41839	3.7	24
27	Activation of the mitochondrial pathway of apoptosis by oxysterols. <i>Frontiers in Bioscience - Landmark</i> , <b>2007</b> , 12, 791-9	2.8	23
26	Role of 4-hydroxy-2,3-nonenal in the pathogenesis of fibrosis. <i>BioFactors</i> , <b>2005</b> , 24, 229-36	6.1	21
25	Physiological amounts of ascorbate potentiate phorbol ester-induced nuclear-binding of AP-1 transcription factor in cells of macrophagic lineage. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 31, 374-82	7.8	21
24	Metalloproteinases and metalloproteinase inhibitors in age-related diseases. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 2993-3018	3.3	19
23	Nrf2 antioxidant defense is involved in survival signaling elicited by 27-hydroxycholesterol in human promonocytic cells. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 91, 93-104	7.8	18
22	Alternate-day fasting reverses the age-associated hypertrophy phenotype in rat heart by influencing the ERK and PI3K signaling pathways. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 305-14	5.6	17
21	Expression and synthesis of TGFbeta1 is induced in macrophages by 9-oxononanoyl cholesterol, a major cholesteryl ester oxidation product. <i>BioFactors</i> , <b>2005</b> , 24, 209-16	6.1	17
20	The role of autophagy in survival response induced by 27-hydroxycholesterol in human promonocytic cells. <i>Redox Biology</i> , <b>2018</b> , 17, 400-410	11.3	17
19	Hepatocellular metabolism of 4-hydroxy-2,3-nonenal is impaired in conditions of chronic cholestasis. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 214, 669-75	3.4	16
18	Detection of cytochrome P4503A (CYP3A) in human hepatic stellate cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 238, 420-4	3.4	15
17	Potentiation of amyloid-beta peptide neurotoxicity in human dental-pulp neuron-like cells by the membrane lipid peroxidation product 4-hydroxynonenal. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 1708-17	7.8	14

16	CCL4-induced increase of hepatocyte free arachidonate level: pathogenesis and contribution to cell death. <i>Chemico-Biological Interactions</i> , <b>1990</b> , 74, 195-206	5	14
15	Oxysterols present in Alzheimer's disease brain induce synaptotoxicity by activating astrocytes: A major role for lipocalin-2. <i>Redox Biology</i> , <b>2021</b> , 39, 101837	11.3	14
14	Modulation of hepatic fibrogenesis by antioxidants. <i>Molecular Aspects of Medicine</i> , <b>1993</b> , 14, 259-64	16.7	12
13	Molecular signaling involved in oxysterol-induced Integrin over-expression in human macrophages. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 14278-93	6.3	10
12	The core-aldehyde 9-oxononanoyl cholesterol increases the level of transforming growth factor beta1-specific receptors on promonocytic U937 cell membranes. <i>Aging Cell</i> , <b>2009</b> , 8, 77-87	9.9	8
11	The Controversial Role of 24-S-Hydroxycholesterol in Alzheimer's Disease. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	8
10	Up-regulation of COX-2 and mPGES-1 by 27-hydroxycholesterol and 4-hydroxynonenal: A crucial role in atherosclerotic plaque instability. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 129, 354-363	7.8	8
9	Modulation of cell signaling pathways by oxysterols in age-related human diseases. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S5	7.8	5
8	Activation of human immunodeficiency virus long terminal repeat by arachidonic acid. <i>Free Radical Biology and Medicine</i> , <b>1997</b> , 22, 195-9	7.8	5
7	Lipid peroxidation and inflammatory molecules as markers of coronary artery disease. <i>Redox Report</i> , <b>2007</b> , 12, 81-5	5.9	3
6	Up-regulation of PCSK6 by lipid oxidation products: A possible role in atherosclerosis. <i>Biochimie</i> , <b>2021</b> , 181, 191-203	4.6	3
5	4-Hydroxynonenal Signaling <b>2003</b> , 180-193		1
4	Cholesterol oxidation products and fibrogenesis. <i>BioFactors</i> , <b>2001</b> , 15, 117-9	6.1	1
3	Macrophage polarization by potential nutraceutical compounds: A strategic approach to counteract inflammation in atherosclerosis.. <i>Free Radical Biology and Medicine</i> , <b>2022</b> , 181, 251-251	7.8	1
2	Cholesterol Dysmetabolism in Alzheimer's Disease: A Starring Role for Astrocytes?. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
1	Oxidative Damage and Fibrosclerosis in Various Tissues <b>1998</b> , 145-149		