Gabriella Testa

List of Publications by Year
in descending order

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38 papers	1,916 citations	236612 25 h-index	288905 40 g-index
45 all docs	45 docs citations	45 times ranked	2930 citing authors

#	Article	IF	Citations
1	Changes in brain oxysterols at different stages of Alzheimer's disease: Their involvement in neuroinflammation. Redox Biology, 2016, 10, 24-33.	3.9	192
2	Oxidized cholesterol as the driving force behind the development of Alzheimerâ€™s disease. Frontiers in Aging Neuroscience, 2015, 7, 119.	1.7	135
3	Design and Development of Nanovehicle-Based Delivery Systems for Preventive or Therapeutic Supplementation with Flavonoids. Current Medicinal Chemistry, 2010, 17, 74-95.	1.2	126
4	Calorie Restriction and Dietary Restriction Mimetics: A Strategy for Improving Healthy Aging and Longevity. Current Pharmaceutical Design, 2014, 20, 2950-2977.	0.9	121
5	Relation between TLR4/NFâ€ºB signaling pathway activation by 27â€hydroxycholesterol and 4â€hydroxynonenal, and atherosclerotic plaque instability. Aging Cell, 2015, 14, 569-581.	3.0	110
6	The link between altered cholesterol metabolism and Alzheimer's disease. Annals of the New York Academy of Sciences, 2012, 1259, 54-64.	1.8	108
7	Interaction between 24-hydroxycholesterol, oxidative stress, and amyloid-Î² in amplifying neuronal damage in Alzheimerâ€™s disease: three partners in crime. Aging Cell, 2011, 10, 403-417.	3.0	85
8	Lipid Oxidation Derived Aldehydes and Oxysterols Between Health and Disease. European Journal of Lipid Science and Technology, 2019, 121, 1700047.	1.0	81
9	Loading into Nanoparticles Improves Quercetin's Efficacy in Preventing Neuroinflammation Induced by Oxysterols. PLoS ONE, 2014, 9, e96795.	1.1	80
10	The role of oxysterols in vascular ageing. Journal of Physiology, 2016, 594, 2095-2113.	1.3	67
11	Implication of oxysterols in chronic inflammatory human diseases. Biochimie, 2018, 153, 220-231.	1.3	63
12	25-Hydroxycholesterol and 27-hydroxycholesterol inhibit human rotavirus infection by sequestering viral particles into late endosomes. Redox Biology, 2018, 19, 318-330.	3.9	62
13	Upâ€regulation of Î²â€amyloidogenesis in neuronâ€like human cells by both 24â€•and 27â€hydroxycholesterol: protective effect of Nâ€acetylâ€cysteine. Aging Cell, 2014, 13, 561-572.	3.0	52
14	A Crosstalk Between Brain Cholesterol Oxidation and Glucose Metabolism in Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2019, 13, 556.	1.4	48
15	Oxysterols and 4-hydroxy-2-nonenal contribute to atherosclerotic plaque destabilization. Free Radical Biology and Medicine, 2017, 111, 140-150.	1.3	44
16	The role of p38 MAPK in the induction of intestinal inflammation by dietary oxysterols: modulation by wine phenolics. Food and Function, 2015, 6, 1218-1228.	2.1	43
17	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, 376-385.	1.3	38
18	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, 138-145.	2.0	37

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19	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, 632-640.	1.3	36
20	Oxysterols present in Alzheimer's disease brain induce synaptotoxicity by activating astrocytes: A major role for lipocalin-2. Redox Biology, 2021, 39, 101837.	3.9	35
21	Influence of dialkyne structure on the properties of new click-gels based on hyaluronic acid. International Journal of Pharmaceutics, 2009, 378, 86-92.	2.6	34
22	New Insights into Redox-Modulated Cell Signaling. Current Pharmaceutical Design, 2011, 17, 3994-4006.	0.9	33
23	A silver lining for 24-hydroxycholesterol in Alzheimer's disease: The involvement of the neuroprotective enzyme sirtuin 1. Redox Biology, 2018, 17, 423-431.	3.9	33
24	The Controversial Role of 24-S-Hydroxycholesterol in Alzheimerâ€™s Disease. Antioxidants, 2021, 10, 740.	2.2	33
25	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, 305-314.	2.2	28
26	Omics analysis of oxysterols to better understand their pathophysiological role. Free Radical Biology and Medicine, 2019, 144, 55-71.	1.3	28
27	A Dietary Mixture of Oxysterols Induces In Vitro Intestinal Inflammation through TLR2/4 Activation: The Protective Effect of Cocoa Bean Shells. Antioxidants, 2019, 8, 151.	2.2	24
28	The role of autophagy in survival response induced by 27-hydroxycholesterol in human promonocytic cells. Redox Biology, 2018, 17, 400-410.	3.9	23
29	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.	1.3	22
30	Cholesterol Dysmetabolism in Alzheimerâ€™s Disease: A Starring Role for Astrocytes?. Antioxidants, 2021, 10, 1890.	2.2	20
31	Potentiation of amyloid-Î² peptide neurotoxicity in human dental-pulp neuron-like cells by the membrane lipid peroxidation product 4-hydroxynonenal. Free Radical Biology and Medicine, 2012, 53, 1708-1717.	1.3	15
32	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.	1.3	15
33	Molecular Signaling Involved in Oxysterol-Induced Î²1-Integrin Over-Expression in Human Macrophages. International Journal of Molecular Sciences, 2012, 13, 14278-14293.	1.8	12
34	Up-regulation of PCSK6 by lipid oxidation products: A possible role in atherosclerosis. Biochimie, 2021, 181, 191-203.	1.3	12
35	Improved Anti-Tumoral Therapeutic Efficacy of 4-Hydroxynonenal Incorporated in Novel Lipid Nanocapsules in 2D and 3D Models. Journal of Biomedical Nanotechnology, 2015, 11, 2169-2185.	0.5	8
36	Modulation of cell signaling pathways by oxysterols in age-related human diseases. Free Radical Biology and Medicine, 2014, 75, S5.	1.3	5

#	Article	IF	Citations
37	Macrophage polarization by potential nutraceutical compounds: A strategic approach to counteract inflammation in atherosclerosis. Free Radical Biology and Medicine, 2022, 181, 251-269.	1.3	5
38	Role of 27-hydroxycholesterol and 4-hydroxynonenal in atherosclerotic plaque vulnerability. Free Radical Biology and Medicine, 2016, 96, S36-S37.	1.3	1