

# Lisa Giovannelli

## List of Publications by Year in descending order

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87  
papers

5,460  
citations

76294

40  
h-index

82499

72  
g-index

88  
all docs

88  
docs citations

88  
times ranked

6904  
citing authors

#	ARTICLE	IF	CITATIONS
1	The comet assay: topical issues. <i>Mutagenesis</i> , 2008, 23, 143-151.	1.0	811
2	Establishing the background level of base oxidation in human lymphocyte DNA: results of an interlaboratory validation study. <i>FASEB Journal</i> , 2005, 19, 82-84.	0.2	404
3	Red wine polyphenols influence carcinogenesis, intestinal microflora, oxidative damage and gene expression profiles of colonic mucosa in F344 rats. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 591, 237-246.	0.4	269
4	Measurement of DNA oxidation in human cells by chromatographic and enzymic methods. <i>Free Radical Biology and Medicine</i> , 2003, 34, 1089-1099.	1.3	268
5	Comparative analysis of baseline 8-oxo-7,8-dihydroguanine in mammalian cell DNA, by different methods in different laboratories: an approach to consensus. <i>Carcinogenesis</i> , 2002, 23, 2129-2133.	1.3	202
6	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. <i>Nature Protocols</i> , 2020, 15, 3817-3826.	5.5	189
7	Differential effects of amyloid peptides A $\beta$ -(1-40) and A $\beta$ -(25-35) injections into the rat nucleus basalis. <i>Neuroscience</i> , 1995, 66, 781-792.	1.1	169
8	Daily consumption of a high-phenol extra-virgin olive oil reduces oxidative DNA damage in postmenopausal women. <i>British Journal of Nutrition</i> , 2006, 95, 742-751.	1.2	153
9	Nutrigenomics of extra-virgin olive oil: A review. <i>BioFactors</i> , 2017, 43, 17-41.	2.6	147
10	Interleukin-1 $\beta$ activates forebrain glial cells and increases nitric oxide production and cortical glutamate and GABA release in vivo: implications for Alzheimer's disease. <i>Neuroscience</i> , 1999, 91, 831-842.	1.1	113
11	Pharmacological Effects of Exogenous NAD on Mitochondrial Bioenergetics, DNA Repair, and Apoptosis. <i>Molecular Pharmacology</i> , 2011, 80, 1136-1146.	1.0	109
12	Oxytocin neurons in the rat hypothalamus exhibit c-fos immunoreactivity upon osmotic stress. <i>Brain Research</i> , 1990, 531, 299-303.	1.1	107
13	Nutritional and lifestyle determinants of DNA oxidative damage: a study in a Mediterranean population. <i>Carcinogenesis</i> , 2002, 23, 1483-1489.	1.3	96
14	Application of the comet assay in human biomonitoring: An hCOMET perspective. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 783, 108288.	2.4	95
15	Administration of amyloid A $\beta$ -peptides into the medial septum of rats decreases acetylcholine release from hippocampus in vivo. <i>Brain Research</i> , 1994, 636, 162-164.	1.1	85
16	Oxidative DNA damage in peripheral blood cells in type 2 diabetes mellitus: higher vulnerability of polymorphonuclear leukocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 529, 129-133.	0.4	83
17	B1 receptor involvement in the effect of bradykinin on venular endothelial cell proliferation and potentiation of FGF-2 effects. <i>British Journal of Pharmacology</i> , 1998, 124, 1286-1292.	2.7	80
18	Oxidative DNA damage and plasma antioxidant capacity in type 2 diabetic patients with good and poor glycaemic control. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 638, 98-102.	0.4	76

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19	Effect of 4-coumaric and 3,4-dihydroxybenzoic acid on oxidative DNA damage in rat colonic mucosa. <i>British Journal of Nutrition</i> , 2003, 89, 581-587.	1.2	70
20	Phosphatidylserine increases acetylcholine release from cortical slices in aged rats. <i>Neurobiology of Aging</i> , 1985, 6, 337-339.	1.5	69
21	Protective Effects of Resveratrol Against Senescence-Associated Changes in Cultured Human Fibroblasts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 9-18.	1.7	68
22	Long-Term Dietary Extra-Virgin Olive Oil Rich in Polyphenols Reverses Age-Related Dysfunctions in Motor Coordination and Contextual Memory in Mice: Role of Oxidative Stress. <i>Rejuvenation Research</i> , 2012, 15, 601-612.	0.9	64
23	Chapter 9 The central cholinergic system during aging. <i>Progress in Brain Research</i> , 1994, 100, 67-71.	0.9	62
24	Long-term changes in the aggregation state and toxic effects of A $\beta$ -amyloid injected into the rat brain. <i>Neuroscience</i> , 1998, 87, 349-357.	1.1	61
25	Effects of dietary extra-virgin olive oil on behaviour and brain biochemical parameters in ageing rats. <i>British Journal of Nutrition</i> , 2010, 103, 1674-1683.	1.2	60
26	Comet Assay as a Novel Approach for Studying DNA Damage in Focal Cerebral Ischemia: Differential Effects of NMDA Receptor Antagonists and Poly(ADP-Ribose) Polymerase Inhibitors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 697-704.	2.4	58
27	Aging related changes in circulating reactive oxygen species (ROS) and protein carbonyls are indicative of liver oxidative injury. <i>Toxicology Reports</i> , 2018, 5, 141-145.	1.6	57
28	Endogenous histamine in the medial septum-diagonal band complex increases the release of acetylcholine from the hippocampus: a dual-probe microdialysis study in the freely moving rat. <i>European Journal of Neuroscience</i> , 2002, 15, 1669-1680.	1.2	56
29	Effect of Adenosine, Adenosine Derivatives, and Caffeine on Acetylcholine Release from Brain Synaptosomes: Interaction with Muscarinic Autoregulatory Mechanisms. <i>Journal of Neurochemistry</i> , 1986, 46, 1593-1598.	2.1	55
30	Expression of c-fos protein by immunohistochemically identified oxytocin neurons in the rat hypothalamus upon osmotic stimulation. <i>Brain Research</i> , 1992, 588, 41-48.	1.1	54
31	A nutrigenomics approach for the study of anti-aging interventions: olive oil phenols and the modulation of gene and microRNA expression profiles in mouse brain. <i>European Journal of Nutrition</i> , 2017, 56, 865-877.	1.8	53
32	Measurement of DNA breaks and oxidative damage in polymorphonuclear and mononuclear white blood cells: a novel approach using the comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 538, 71-80.	0.9	52
33	Effect of N-acetyl-L-cysteine on peroxynitrite and superoxide anion production of lung alveolar macrophages in systemic sclerosis. <i>Nitric Oxide - Biology and Chemistry</i> , 2002, 7, 277-282.	1.2	48
34	Chronic Resveratrol Treatment Ameliorates Cell Adhesion and Mitigates the Inflammatory Phenotype in Senescent Human Fibroblasts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 371-381.	1.7	48
35	c-Fos protein expression in the rat subfornical organ following osmotic stimulation. <i>Neuroscience Letters</i> , 1992, 139, 1-6.	1.0	47
36	Long-term Neuroglial Cocultures as a Brain Aging Model: Hallmarks of Senescence, MicroRNA Expression Profiles, and Comparison With In Vivo Models. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 50-60.	1.7	46

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37	Dietary extra-virgin olive oil rich in phenolic antioxidants and the aging process: long-term effects in the rat. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 290-296.	1.9	44
38	Reduction of colonic inflammation in HLA-B27 transgenic rats by feeding Marie-MÃ©nard apples, rich in polyphenols. <i>British Journal of Nutrition</i> , 2009, 102, 1620.	1.2	43
39	Characterization of serious adverse drug reactions as cause of emergency department visit in children: a 5-years active pharmacovigilance study. <i>BMC Pharmacology &amp; Toxicology</i> , 2018, 19, 16.	1.0	43
40	Modulation of the Senescence-Associated Inflammatory Phenotype in Human Fibroblasts by Olive Phenols. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2275.	1.8	42
41	A two-phase olive mill by-product (pÃ©tÃ©) as a convenient source of phenolic compounds: Content, stability, and antiaging properties in cultured human fibroblasts. <i>Journal of Functional Foods</i> , 2018, 40, 751-759.	1.6	41
42	Increased oxidative DNA damage in mononuclear leukocytes in vitiligo. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 556, 101-106.	0.4	38
43	Extremely Low-Frequency Electromagnetic Fields do not Affect DNA Damage and Gene Expression Profiles of Yeast and Human Lymphocytes. <i>Radiation Research</i> , 2005, 164, 277-285.	0.7	38
44	The comet assay for human biomonitoring: Effect of cryopreservation on DNA damage in different blood cell preparations. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 11-17.	0.9	36
45	Vulnerability to DNA damage in the aging rat substantia nigra: a study with the comet assay. <i>Brain Research</i> , 2003, 969, 244-247.	1.1	35
46	Î²(1â€“40) Amyloid peptide injection into the nucleus basalis of rats induces microglia reaction and enhances cortical Î³-aminobutyric acid release in vivo. <i>Brain Research</i> , 1999, 831, 319-321.	1.1	30
47	Chronic Resveratrol Treatment Inhibits MRC5 Fibroblast SASP-Related Protumoral Effects on Melanoma Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1187-1195.	1.7	29
48	Environmental ozone exposure and oxidative DNA damage in adult residents of Florence, Italy. <i>Environmental Pollution</i> , 2009, 157, 1521-1525.	3.7	28
49	Association between atmospheric ozone levels and damage to human nasal mucosa in Florence, Italy. <i>Environmental and Molecular Mutagenesis</i> , 2003, 42, 127-135.	0.9	27
50	Pomegranate Byâ€“Products in Colorectal Cancer Chemoprevention: Effects in <i>Apc</i> Mutated Pirc Rats and Mechanistic Studies In Vitro and Ex Vivo. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700401.	1.5	27
51	Liver and colon DNA oxidative damage and gene expression profiles of rats fed <i>Arabidopsis thaliana</i> mutant seeds containing contrasted flavonoids. <i>Food and Chemical Toxicology</i> , 2008, 46, 1213-1220.	1.8	25
52	Seasonal variations of DNA damage in human lymphocytes: Correlation with different environmental variables. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 593, 143-152.	0.4	24
53	Effects of de-alcoholised wines with different polyphenol content on DNA oxidative damage, gene expression of peripheral lymphocytes, and haemorheology: an intervention study in post-menopausal women. <i>European Journal of Nutrition</i> , 2011, 50, 19-29.	1.8	24
54	Purinergic modulation of cortical acetylcholine release is decreased in aging rats. <i>Experimental Gerontology</i> , 1988, 23, 175-181.	1.2	22

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55	Loss of tyrosinase activity confers increased skin tumor susceptibility in mice. <i>Oncogene</i> , 2004, 23, 4130-4135.	2.6	21
56	Morphological, biochemical and behavioural changes induced by neurotoxic and inflammatory insults to the nucleus basalis. <i>International Journal of Developmental Neuroscience</i> , 1998, 16, 705-714.	0.7	20
57	Collection and storage of human white blood cells for analysis of DNA damage and repair activity using the comet assay in molecular epidemiology studies. <i>Mutagenesis</i> , 2021, 36, 193-212.	1.0	20
58	Synthesis of functionalised organochalcogenides and in vitro evaluation of their antioxidant activity. <i>Bioorganic Chemistry</i> , 2021, 110, 104812.	2.0	20
59	Beneficial effects of olive oil phenols on the aging process: Experimental evidence and possible mechanisms of action. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2012, 1, 207-223.	0.3	19
60	Folate, genomic stability and colon cancer: The use of single cell gel electrophoresis in assessing the impact of folate in vitro, in vivo and in human biomonitoring. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 73-80.	0.9	18
61	Phenolic Compounds and Triterpenes in Different Olive Tissues and Olive Oil By-Products, and Cytotoxicity on Human Colorectal Cancer Cells: The Case of Frantoio, Moraiolo and Leccino Cultivars ( <i>Olea europaea</i> L.). <i>Foods</i> , 2021, 10, 2823.	1.9	18
62	Dietary Extra-Virgin Olive Oil Polyphenols Do Not Attenuate Colon Inflammation in Transgenic HLAB-27 Rats but Exert Hypocholesterolemic Effects through the Modulation of HMGR and PPAR- $\alpha$ Gene Expression in the Liver. <i>Lifestyle Genomics</i> , 2018, 11, 99-108.	0.6	17
63	Effects of an Olive By-Product Called P $\alpha$ on Cardiovascular Risk Factors. <i>Journal of the American College of Nutrition</i> , 2021, 40, 617-623.	1.1	16
64	Calibration of the comet assay for the measurement of DNA damage in mammalian cells. <i>Free Radical Research</i> , 2006, 40, 1149-1154.	1.5	14
65	Chronic Resveratrol Treatment Reduces the Pro-angiogenic Effect of Human Fibroblast $\alpha$ Senescent-Associated Secretory Phenotype on Endothelial Colony-Forming Cells: The Role of IL8. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 625-633.	1.7	14
66	Fecal microbiome as determinant of the effect of diet on colorectal cancer risk: comparison of meat-based versus pesco-vegetarian diets (the MeaTlc study). <i>Trials</i> , 2019, 20, 688.	0.7	14
67	Oleuropein aglycone attenuates the pro-angiogenic phenotype of senescent fibroblasts: A functional study in endothelial cells. <i>Journal of Functional Foods</i> , 2019, 53, 219-226.	1.6	14
68	Guanosine 3 $\alpha$ :5 $\beta$ -cyclic monophosphate-dependent pathway alterations in ventricular cardiomyocytes of spontaneously hypertensive rats. <i>British Journal of Pharmacology</i> , 2001, 134, 596-602.	2.7	13
69	Oxidative Stress and Inflammation as Targets for Novel Preventive and Therapeutic Approches in Non Communicable Diseases. <i>Antioxidants</i> , 2020, 9, 290.	2.2	13
70	Inter- and intra-tumoral heterogeneity in DNA damage evaluated by comet assay in early breast cancer patients. <i>Breast</i> , 2012, 21, 336-342.	0.9	12
71	miR-210 $\beta$ mediates metabolic adaptation and sustains DNA damage repair of resistant colon cancer cells to treatment with 5-fluorouracil. <i>Molecular Carcinogenesis</i> , 2019, 58, 2181-2192.	1.3	11
72	Enhanced Vasculogenic Capacity Induced by 5-Fluorouracil Chemoresistance in a Gastric Cancer Cell Line. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7698.	1.8	11

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73	The Comet Assay Approach to Senescent Human Diploid Fibroblasts Identifies Different Phenotypes and Clarifies Relationships Among Nuclear Size, DNA Content, and DNA Damage. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 695-701.	1.7	10
74	Novel methods to detect ROS in viable spermatozoa of native semen samples. <i>Reproductive Toxicology</i> , 2021, 106, 51-60.	1.3	10
75	Olive phenols preserve lamin B1 expression reducing cGAS/STING/NF- $\kappa$ B-mediated SASP in ionizing radiation-induced senescence. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2337-2350.	1.6	10
76	Opioid response in paediatric cancer patients and the Val158Met polymorphism of the human catechol-O-methyltransferase (COMT) gene: an Italian study on 87 cancer children and a systematic review. <i>BMC Cancer</i> , 2019, 19, 113.	1.1	9
77	DNA damage in colon mucosa of Pirc rats, an Apc-driven model of colon tumorigenesis. <i>Toxicology Letters</i> , 2020, 324, 12-19.	0.4	8
78	Serpin A1 and the modulation of type I collagen turnover: Effect of the C-terminal peptide 409-418 (SA1-III) in human dermal fibroblasts. <i>Cell Biology International</i> , 2018, 42, 1340-1348.	1.4	7
79	Effect of Dipeptidyl-Peptidase 4 Inhibitors on Circulating Oxidative Stress Biomarkers in Patients with Type 2 Diabetes Mellitus. <i>Antioxidants</i> , 2020, 9, 233.	2.2	7
80	FGF2-mediated upregulation of urokinase-type plasminogen activator expression requires a MAP-kinase dependent activation of poly(ADP-ribose) polymerase. <i>Journal of Cellular Physiology</i> , 2005, 202, 125-134.	2.0	6
81	Serpin A1 C-terminal Peptides as Collagen Turnover Modulators. <i>ChemMedChem</i> , 2016, 11, 1850-1855.	1.6	6
82	Parvovirus B19 induces cellular senescence in human dermal fibroblasts: putative role in systemic sclerosis-associated fibrosis. <i>Rheumatology</i> , 2021, , .	0.9	5
83	Susceptibility of cosmeceutical peptides to proteases activity: Development of dermal stability test by LC-MS/MS analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113775.	1.4	4
84	Colon fibroblasts from Pirc rats (F344/N-TacApc <sup>am1137</sup> ) exhibit a proliferative and inflammatory phenotype that could support early stages of colon carcinogenesis. <i>International Journal of Cancer</i> , 2022, 150, 362-373.	2.3	4
85	Characterization of substituted piperazines able to reverse MDR in <i>Escherichia coli</i> strains overexpressing resistance-nodulation-cell division (RND) efflux pumps. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 413-424.	1.3	4
86	NGF treatment potentiates c-fos expression in the rat nucleus basalis upon excitotoxic lesion with quisqualic acid. <i>Brain Research</i> , 2000, 853, 136-141.	1.1	3
87	The comet assay for the evaluation of gut content genotoxicity: Use in human studies as an early biomarker of colon cancer risk. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 878, 503477.	0.9	2