

# Lucia Marcocci

## List of Publications by Year in descending order

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55  
papers

3,732  
citations

257450

24  
h-index

155660

55  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4423  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Nitric Oxide-Scavenging Properties of Ginkgo Biloba Extract EGb 761. <i>Biochemical and Biophysical Research Communications</i> , 1994, 201, 748-755.	2.1	819
2	Wound Hypoxia and Acidosis Limit Neutrophil Bacterial Killing Mechanisms. <i>Archives of Surgery</i> , 1997, 132, 991.	2.2	427
3	[46] Antioxidant action of Ginkgo biloba extract EGb 761. <i>Methods in Enzymology</i> , 1994, 234, 462-475.	1.0	306
4	Î±-Lipoic Acid in Liver Metabolism and Disease. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1023-1039.	2.9	306
5	Lipoic acid increases <i>de novo</i> synthesis of cellular glutathione by improving cystine utilization. <i>BioFactors</i> , 1997, 6, 321-338.	5.4	299
6	Peroxyl radical scavenging activity of Ginkgo biloba extract EGb 761. <i>Biochemical Pharmacology</i> , 1995, 49, 1649-1655.	4.4	220
7	Catalase Takes Part in Rat Liver Mitochondria Oxidative Stress Defense. <i>Journal of Biological Chemistry</i> , 2007, 282, 24407-24415.	3.4	180
8	Cell Signaling by Protein Carbonylation and Decarbonylation. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 393-404.	5.4	146
9	Cigarette Smoke Oxidation of Human Plasma Constituents. <i>Annals of the New York Academy of Sciences</i> , 1993, 686, 72-89.	3.8	97
10	Reactive Oxygen Species and Antioxidants in Pulmonary Hypertension. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1789-1796.	5.4	90
11	Bcl-2 overexpression in melanoma cells increases tumor progression-associated properties and in vivo tumor growth. <i>Journal of Cellular Physiology</i> , 2005, 205, 414-421.	4.1	69
12	A New Piece of the Shigella Pathogenicity Puzzle: Spermidine Accumulation by Silencing of the speG Gene. <i>PLoS ONE</i> , 2011, 6, e27226.	2.5	64
13	Mouse spermine oxidase gene splice variants. <i>FEBS Journal</i> , 2004, 271, 760-770.	0.2	60
14	Mechanism of protein decarbonylation. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1126-1133.	2.9	53
15	Evidence for a functional relevance of the selenocysteine residue in mammalian thioredoxin reductase. <i>BioFactors</i> , 1997, 6, 351-358.	5.4	47
16	Proposed role of primary protein carbonylation in cell signaling. <i>Redox Report</i> , 2012, 17, 90-94.	4.5	45
17	Activation and induction by copper of Cu/Zn superoxide dismutase in <i>Saccharomyces cerevisiae</i> . Presence of an inactive proenzyme in anaerobic yeast. <i>FEBS Journal</i> , 1991, 196, 545-549.	0.2	42
18	Molecular and Functional Profiling of the Polyamine Content in Enteroinvasive <i>E. coli</i> : Looking into the Gap between Commensal <i>E. coli</i> and Harmful <i>Shigella</i> . <i>PLoS ONE</i> , 2014, 9, e106589.	2.5	37

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19	Carboxymethyl starch/alginate microspheres containing diamine oxidase for intestinal targeting. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 344-353.	3.1	34
20	Adaptive responses of heart and skeletal muscle to spermine oxidase overexpression: Evaluation of a new transgenic mouse model. <i>Free Radical Biology and Medicine</i> , 2017, 103, 216-225.	2.9	31
21	Increased spermine oxidase (SMO) activity as a novel differentiation marker of myogenic C2C12 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 934-944.	2.8	29
22	Tyramine and Monoamine Oxidase Inhibitors as Modulators of the Mitochondrial Membrane Permeability Transition. <i>Journal of Membrane Biology</i> , 2002, 188, 23-31.	2.1	26
23	Serotonin-mediated protein carbonylation in the right heart. <i>Free Radical Biology and Medicine</i> , 2008, 45, 847-854.	2.9	25
24	Multifactor Regulation of the MdtJL Polyamine Transporter in <i>Shigella</i> . <i>PLoS ONE</i> , 2015, 10, e0136744.	2.5	25
25	Direct oxidative DNA damage, apoptosis and radio sensitivity by spermine oxidase activities in mouse neuroblastoma cells. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2005, 1755, 15-24.	7.4	23
26	l-Deprenyl as an inhibitor of menadione-induced permeability transition in liver mitochondria. <i>Biochemical Pharmacology</i> , 2003, 66, 1749-1754.	4.4	22
27	BENEFICIAL EFFECTS OF A PLANT HISTAMINASE IN A RAT MODEL OF SPLANCHNIC ARTERY OCCLUSION AND REPERFUSION. <i>Shock</i> , 2007, 27, 409-415.	2.1	20
28	Diamine Oxidase from White Pea ( <i>Lathyrus sativus</i> ) Combined with Catalase Protects the Human Intestinal Caco-2 Cell Line from Histamine Damage. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1171-1181.	2.9	18
29	Chronic sub-lethal oxidative stress by spermine oxidase overactivity induces continuous DNA repair and hypersensitivity to radiation exposure. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 774-783.	4.1	16
30	Bcl-2 overexpression decreases BCNU sensitivity of a human glioblastoma line through enhancement of catalase activity. <i>Journal of Cellular Biochemistry</i> , 2001, 83, 473-483.	2.6	14
31	Gene expression profile in monocyte during in vitro mineral fiber degradation. <i>Archives of Toxicology</i> , 2008, 82, 355-362.	4.2	12
32	APOE genotyping: comparison of three methods. <i>Clinical and Experimental Medicine</i> , 2009, 9, 61-65.	3.6	11
33	Generation of daunomycin radicals on the outer side of the erythrocyte membrane. <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 240-247.	2.1	10
34	[54] Antioxidant activity of nitecapone and its analog OR-1246: Effect of structural modification on antioxidant action. <i>Methods in Enzymology</i> , 1994, 234, 526-541.	1.0	10
35	Effects of incubation with liposomes at different temperatures on cultured melanoma cells (M14). <i>International Journal of Hyperthermia</i> , 1994, 10, 101-114.	2.5	10
36	Stability of Vegetal Diamine Oxidase in Simulated Intestinal Media: Protective Role of Cholic Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12657-12665.	5.2	8

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37	Lathyrus sativus diamine oxidase counteracts histamine-induced cell proliferation, migration and pro-angiogenic mediators release in human colon adenocarcinoma cell line Caco-2. <i>Phytotherapy Research</i> , 2019, 33, 1878-1887.	5.8	8
38	Vegetal diamine oxidase alleviates histamine-induced contraction of colonic muscles. <i>Scientific Reports</i> , 2020, 10, 21563.	3.3	8
39	Inducible expression of maize polyamine oxidase in the nucleus of MCF-7 human breast cancer cells confers sensitivity to etoposide. <i>Amino Acids</i> , 2008, 34, 403-412.	2.7	7
40	Room temperature electron spin resonance of superoxide dismutase-loaded liposomes and erythrocytes. A direct approach to the interaction of O <sub>2</sub> <sup>-</sup> with cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 979, 99-104.	2.6	6
41	Plasma membrane as a site of redox activation of daunomycin in intact human erythrocytes. <i>Biochemical Pharmacology</i> , 1992, 44, 1535-1542.	4.4	6
42	Button battery induced cell damage: A pathophysiological study. <i>Electrochemistry Communications</i> , 2008, 10, 1756-1760.	4.7	6
43	Protein Redox State Monitoring Studies of Thiol Reactivity. <i>Antioxidants</i> , 2019, 8, 143.	5.1	6
44	Metabolomics Studies to Assess Biological Functions of Vitamin E Nicotinate. <i>Antioxidants</i> , 2019, 8, 127.	5.1	6
45	First Electron Spin Resonance Evidence for the Generation of the Daunomycin Free Radical and Superoxide by Red Blood Cell Membranes. <i>Annals of the New York Academy of Sciences</i> , 1988, 551, 121-127.	3.8	4
46	Enhancement of daunomycin toxicity by the differentiation inducer hexamethylene bisacetamide in erythroleukemia cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1224, 89-98.	4.1	4
47	Zymographic approach to determine the intrinsic enzyme specific activity of diamine oxidase in presence of interfering enzymes. <i>Analytica Chimica Acta</i> , 2017, 975, 78-85.	5.4	4
48	Tau Protein in Lung Smooth Muscle Cells. <i>Journal of Respiration</i> , 2020, 1, 30-39.	1.1	4
49	Lathyrus sativus diamine oxidase reduces Clostridium difficile toxin A-induced toxicity in Caco-2 cells by rescuing RhoGTPase and inhibiting p38MAPK/NF- $\kappa$ B/HIF-1 $\alpha$ activation. <i>Phytotherapy Research</i> , 2021, 35, 415-423.	5.8	4
50	Biochemical and Ultrastructural Changes in the Hyperthermic Treatment of Tumor Cells: An Outline. <i>Advances in Experimental Medicine and Biology</i> , 1990, 267, 99-120.	1.6	3
51	Liposome-mediated increase of the superoxide dismutase content in human erythrocytes: Characterization by electron spin resonance. <i>Pharmacological Research</i> , 1989, 21, 47-55.	7.1	1
52	Zymographic Determination of Intrinsic Specific Activity of Oxidases in the Presence of Interfering Proteins. <i>Methods in Molecular Biology</i> , 2018, 1853, 207-221.	0.9	1
53	Vasa Vasorum Lumen Narrowing in Brain Vascular Hyalinosis in Systemic Hypertension Patients Who Died of Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9611.	4.1	1
54	Cell signaling promoting protein carbonylation does not cause sulfhydryl oxidation: Implications to the mechanism of redox signaling. <i>F1000Research</i> , 2017, 6, 455.	1.6	1

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55	Faster and sensitive zymographic detection of oxidases generating hydrogen peroxide. The case of diamine oxidase. <i>Analytical Biochemistry</i> , 2022, , 114676.	2.4	1