

Maria Rosa Ciriolo

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

12,230
citations

70961

41
h-index

46693

89
g-index

93
all docs

93
docs citations

93
times ranked

25885
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. <i>Seminars in Cancer Biology</i> , 2015, 35, S185-S198.	4.3	1,122
3	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	4.3	535
4	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. <i>Seminars in Cancer Biology</i> , 2015, 35, S25-S54.	4.3	468
5	Broad targeting of angiogenesis for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2015, 35, S224-S243.	4.3	375
6	Peroxisome Proliferator-activated Receptor β Co-activator 1 α (PGC-1 α) and Sirtuin 1 (SIRT1) Reside in Mitochondria. <i>Journal of Biological Chemistry</i> , 2010, 285, 21590-21599.	1.6	294
7	Cancer prevention and therapy through the modulation of the tumor microenvironment. <i>Seminars in Cancer Biology</i> , 2015, 35, S199-S223.	4.3	285
8	Role of Nitric Oxide Synthases in Parkinson's Disease: A Review on the Antioxidant and Anti-inflammatory Activity of Polyphenols. <i>Neurochemical Research</i> , 2008, 33, 2416-2426.	1.6	231
9	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. <i>Seminars in Cancer Biology</i> , 2015, 35, S5-S24.	4.3	231
10	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	4.3	220
11	Redox implications of AMPK-mediated signal transduction beyond energetic clues. <i>Journal of Cell Science</i> , 2012, 125, 2115-25.	1.2	176
12	Under the ROS: Thiol network is the principal suspect for autophagy commitment. <i>Autophagy</i> , 2010, 6, 999-1005.	4.3	164
13	TCA Cycle Defects and Cancer: When Metabolism Tunes Redox State. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-9.	1.0	133
14	Loss of GSH, Oxidative Stress, and Decrease of Intracellular pH as Sequential Steps in Viral Infection. <i>Journal of Biological Chemistry</i> , 1997, 272, 2700-2708.	1.6	130
15	Glutathione Limits Ero1-dependent Oxidation in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2004, 279, 32667-32673.	1.6	130
16	Glutathione disulfide induces apoptosis in U937 cells by a redox-mediated p38 mitogen-activated protein kinase pathway. <i>FASEB Journal</i> , 2003, 17, 64-66.	0.2	125
17	Evidence for antiviral activity of glutathione: in vitro inhibition of herpes simplex virus type 1 replication. <i>Antiviral Research</i> , 1995, 27, 237-253.	1.9	124
18	Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. <i>Cellular Microbiology</i> , 2015, 17, 131-145.	1.1	122

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19	Targeting aerobic glycolysis: 3-bromopyruvate as a promising anticancer drug. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 17-29.	1.0	112
20	Proapoptotic Activity of New Glutathione S-Transferase Inhibitors. <i>Cancer Research</i> , 2005, 65, 3751-3761.	0.4	109
21	Glutathione participates in the modulation of starvation-induced autophagy in carcinoma cells. <i>Autophagy</i> , 2012, 8, 1769-1781.	4.3	99
22	Mitochondrial dysfunctions in cancer: Genetic defects and oncogenic signaling impinging on TCA cycle activity. <i>Cancer Letters</i> , 2015, 356, 217-223.	3.2	97
23	Punctum on two different transcription factors regulated by PGC-1 β : Nuclear factor erythroid-derived 2-like 2 and nuclear respiratory factor 2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4137-4146.	1.1	96
24	A multi-targeted approach to suppress tumor-promoting inflammation. <i>Seminars in Cancer Biology</i> , 2015, 35, S151-S184.	4.3	95
25	Evidence for co-regulation of Cu,Zn superoxide dismutase and metallothionein gene expression in yeast through transcriptional control by copper via the ACE 1 factor. <i>FEBS Letters</i> , 1991, 278, 263-266.	1.3	89
26	Cu,Zn-Superoxide Dismutase-dependent Apoptosis Induced by Nitric Oxide in Neuronal Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 5065-5072.	1.6	88
27	Targeting Glutathione Metabolism: Partner in Crime in Anticancer Therapy. <i>Nutrients</i> , 2019, 11, 1926.	1.7	87
28	Pharmacological activation of SIRT6 triggers lethal autophagy in human cancer cells. <i>Cell Death and Disease</i> , 2018, 9, 996.	2.7	75
29	Modulation of intracellular glutathione affects adipogenesis in 3T3L1 cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 2016-2024.	2.0	71
30	Carcinoma cells activate AMP-activated protein kinase-dependent autophagy as survival response to kaempferol-mediated energetic impairment. <i>Autophagy</i> , 2010, 6, 202-216.	4.3	64
31	MAPK14/p38 β -dependent modulation of glucose metabolism affects ROS levels and autophagy during starvation. <i>Autophagy</i> , 2014, 10, 1652-1665.	4.3	62
32	The TCA cycle as a bridge between oncometabolism and DNA transactions in cancer. <i>Seminars in Cancer Biology</i> , 2017, 47, 50-56.	4.3	60
33	Hints on ATGL implications in cancer: beyond bioenergetic clues. <i>Cell Death and Disease</i> , 2018, 9, 316.	2.7	59
34	Nitric oxide is the primary mediator of cytotoxicity induced by GSH depletion in neuronal cells. <i>Journal of Cell Science</i> , 2011, 124, 1043-1054.	1.2	56
35	Mitochondrial damage due to SOD1 deficiency in SH-SY5Y neuroblastoma cells: a rationale for the redundancy of SOD1. <i>FASEB Journal</i> , 2006, 20, 1683-1685.	0.2	55
36	6-(7-Nitro-2,1,3-benzoxadiazol-4-ylthio)hexanol, a specific glutathione S-transferase inhibitor, overcomes the multidrug resistance (MDR)-associated protein 1 α -mediated MDR in small cell lung cancer. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 371-379.	1.9	49

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37	Activation of c-Jun-N-terminal kinase is required for apoptosis triggered by glutathione disulfide in neuroblastoma cells. <i>Free Radical Biology and Medicine</i> , 2005, 39, 345-354.	1.3	46
38	The role of nNOS and PGC-1 β in skeletal muscle cells. <i>Journal of Cell Science</i> , 2014, 127, 4813-20.	1.2	46
39	Proteasome activation and nNOS down-regulation in neuroblastoma cells expressing a Cu,Zn superoxide dismutase mutant involved in familial ALS. <i>Journal of Neurochemistry</i> , 2003, 85, 1324-1335.	2.1	45
40	Metformin Protects Skeletal Muscle from Cardiotoxin Induced Degeneration. <i>PLoS ONE</i> , 2014, 9, e114018.	1.1	45
41	Glutamine Deprivation Enhances Antitumor Activity of 3-Bromopyruvate through the Stabilization of Monocarboxylate Transporter-1. <i>Cancer Research</i> , 2012, 72, 4526-4536.	0.4	44
42	Dehydroepiandrosterone triggers autophagic cell death in human hepatoma cell line HepG2 via JNK-mediated p62/SQSTM1 expression. <i>Carcinogenesis</i> , 2016, 37, 233-244.	1.3	42
43	Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR- β /p300-mediated acetylation of p53. <i>Oncogene</i> , 2019, 38, 1860-1875.	2.6	42
44	The Cystine/Cysteine Cycle and GSH Are Independent and Crucial Antioxidant Systems in Malignant Melanoma Cells and Represent Druggable Targets. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 2439-2453.	2.5	41
45	Aconitase 2 inhibits the proliferation of MCF-7 cells promoting mitochondrial oxidative metabolism and ROS/FoxO1-mediated autophagic response. <i>British Journal of Cancer</i> , 2020, 122, 182-193.	2.9	41
46	Glutathione and Nitric Oxide: Key Team Players in Use and Disuse of Skeletal Muscle. <i>Nutrients</i> , 2019, 11, 2318.	1.7	40
47	Oxidative Stress-Driven Autophagy acROSs Onset and Therapeutic Outcome in Hepatocellular Carcinoma. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	1.9	38
48	The novel non-steroidal MR antagonist finerenone improves metabolic parameters in high-fat diet-fed mice and activates brown adipose tissue via AMPK-ATGL pathway. <i>FASEB Journal</i> , 2020, 34, 12450-12465.	0.2	38
49	Adipose Tissue and FoxO1: Bridging Physiology and Mechanisms. <i>Cells</i> , 2020, 9, 849.	1.8	36
50	Differential role of superoxide and glutathione in S-nitrosoglutathione-mediated apoptosis: a rationale for mild forms of familial amyotrophic lateral sclerosis associated with less active Cu,Zn superoxide dismutase mutants. <i>Journal of Neurochemistry</i> , 2001, 77, 1433-1443.	2.1	35
51	Metabolic oxidative stress elicited by the copper(II) complex [Cu(isaepy) ₂] triggers apoptosis in SH-SY5Y cells through the induction of the AMP-activated protein kinase/p38MAPK/p53 signalling axis: evidence for a combined use with 3-bromopyruvate in neuroblastoma treatment. <i>Biochemical Journal</i> , 2011, 437, 443-453.	1.7	34
52	Time-controlled fasting prevents aging-like mitochondrial changes induced by persistent dietary fat overload in skeletal muscle. <i>PLoS ONE</i> , 2018, 13, e0195912.	1.1	33
53	Altered S-nitrosylation of p53 is responsible for impaired antioxidant response in skeletal muscle during aging. <i>Aging</i> , 2016, 8, 3450-3467.	1.4	32
54	trans-Resveratrol inhibits H ₂ O ₂ -induced adenocarcinoma gastric cells proliferation via inactivation of MEK1/2-ERK1/2-c-Jun signalling axis. <i>Biochemical Pharmacology</i> , 2009, 77, 337-347.	2.0	30

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55	FoxO1 at the nexus between fat catabolism and longevity pathways. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1555-1560.	1.2	30
56	Adipose triglyceride lipase decrement affects skeletal muscle homeostasis during aging through FAs-PPAR α -PGC-1 α antioxidant response. <i>Oncotarget</i> , 2016, 7, 23019-23032.	0.8	30
57	Role of the electrostatic loop of Cu,Zn superoxide dismutase in the copper uptake process. <i>FEBS Journal</i> , 2001, 268, 737-742.	0.2	29
58	ROS-dependent HIF1 α activation under forced lipid catabolism entails glycolysis and mitophagy as mediators of higher proliferation rate in cervical cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 94.	3.5	28
59	Neuronal nitric oxide synthase protects neuroblastoma cells from oxidative stress mediated by garlic derivatives. <i>Journal of Neurochemistry</i> , 2007, 101, 1327-1337.	2.1	25
60	Caloric Restriction and the Nutrient-Sensing PGC-1 α in Mitochondrial Homeostasis: New Perspectives in Neurodegeneration. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-11.	1.0	25
61	FoxO1 localizes to mitochondria of adipose tissue and is affected by nutrient stress. <i>Metabolism: Clinical and Experimental</i> , 2019, 95, 84-92.	1.5	25
62	Managing lipid metabolism in proliferating cells: New perspective for metformin usage in cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1845, 317-324.	3.3	22
63	Reactive oxygen and nitrogen species are involved in sorbitol-induced apoptosis of human erythroleukaemia cells K562. <i>Free Radical Research</i> , 2007, 41, 452-460.	1.5	21
64	TAU DEPHOSPHORYLATION AND MICROFILAMENTS DISRUPTION ARE UPSTREAM EVENTS OF THE ANTI-PROLIFERATIVE EFFECTS OF DADS IN SH-SY5Y CELLS. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 14, 564-77.	1.6	21
65	GSH-C4 Acts as Anti-inflammatory Drug in Different Models of Canonical and Cell Autonomous Inflammation Through NF κ B Inhibition. <i>Frontiers in Immunology</i> , 2019, 10, 155.	2.2	21
66	An X-ray absorption study of the reconstitution process of bovine Cu,Zn superoxide dismutase by Cu(I)-glutathione complex. <i>FEBS Letters</i> , 1993, 322, 165-167.	1.3	20
67	Glutathione is a crucial guardian of protein integrity in the brain upon nitric oxide imbalance. <i>Communicative and Integrative Biology</i> , 2011, 4, 477-479.	0.6	19
68	Extracellular vesicles in endothelial cells: from mediators of cell-to-cell communication to cargo delivery tools. <i>Free Radical Biology and Medicine</i> , 2021, 172, 508-520.	1.3	18
69	Interplay of Cu,Zn Superoxide Dismutase and Nitric Oxide Synthase in Neurodegenerative Processes. <i>IUBMB Life</i> , 2004, 55, 629-634.	1.5	17
70	Transient cytoskeletal alterations after SOD1 depletion in neuroblastoma cells. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 991-1004.	2.4	17
71	High Dietary Fat Intake Affects DNA Methylation/Hydroxymethylation in Mouse Heart: Epigenetic Hints for Obesity-Related Cardiac Dysfunction. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800970.	1.5	16
72	Lipid Catabolism and ROS in Cancer: A Bidirectional Liaison. <i>Cancers</i> , 2021, 13, 5484.	1.7	16

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73	Autophagy and Autophagic Cell Death: Uncovering New Mechanisms Whereby Dehydroepiandrosterone Promotes Beneficial Effects on Human Health. <i>Vitamins and Hormones</i> , 2018, 108, 273-307.	0.7	14
74	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. <i>Analytica Chimica Acta</i> , 2021, 1148, 238173.	2.6	13
75	Maternal high calorie diet induces mitochondrial dysfunction and senescence phenotype in subcutaneous fat of newborn mice. <i>Oncotarget</i> , 2017, 8, 83407-83418.	0.8	13
76	Neuronal nitric oxide synthase interacts with Sp1 through the PDZ domain inhibiting Sp1-mediated copper-zinc superoxide dismutase expression. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 163-169.	1.2	11
77	Impaired degradation of YAP1 and IL6ST by chaperone-mediated autophagy promotes proliferation and migration of normal and hepatocellular carcinoma cells. <i>Autophagy</i> , 2023, 19, 152-162.	4.3	11
78	Aconitase 2 sensitizes MCF-7 cells to cisplatin eliciting p53-mediated apoptosis in a ROS-dependent manner. <i>Biochemical Pharmacology</i> , 2020, 180, 114202.	2.0	10
79	Redox Control of Apoptosis. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 432-435.	2.5	8
80	Purification and characterization of Alpha-Fetoprotein from the human hepatoblastoma HepG2 cell line in serum-free medium. <i>BioMetals</i> , 2007, 20, 869-878.	1.8	8
81	Antiproliferative and apoptosis-inducing effect of common Tunisian date seed (var. Korkobbi and) Tj ETQq1 1 0.784314 rgBT /Overloc 26, 36264-36273.	2.7	7
82	Deprive to kill. <i>Autophagy</i> , 2012, 8, 1830-1832.	4.3	6
83	The multifaceted role of nitric oxide synthases in mitochondrial biogenesis and cell differentiation. <i>Communicative and Integrative Biology</i> , 2015, 8, e1017158.	0.6	5
84	Inhibition of JNK increases the sensitivity of hepatocellular carcinoma cells to lysosomotropic drugs via LAMP2A destabilization. <i>Cell Death Discovery</i> , 2021, 7, 29.	2.0	5
85	ROS-mediated activation of p38 protects hepatocellular carcinoma cells from caspase-independent death elicited by lysosomal damage. <i>Biochemical Pharmacology</i> , 2022, 198, 114983.	2.0	5
86	Effect of the Redox State of the Red Blood Cell Components on the Inactivation of Glutathione Peroxidase by Divicine. <i>Free Radical Research Communications</i> , 1986, 1, 297-304.	1.8	4
87	Aberrations of the TCA Cycle in Cancer. , 2018, , .		3
88	Oleuropein Aglycone Peracetylated (3,4-DHPEA-EA(P)) Attenuates H2O2-Mediated Cytotoxicity in C2C12 Myocytes via Inactivation of p-JNK/p-c-Jun Signaling Pathway. <i>Molecules</i> , 2020, 25, 5472.	1.7	3
89	Glutamine Addiction of Cancer Cells. , 2015, , 99-111.		1
90	BK Polyomavirus Activates HSF1 Stimulating Human Kidney Hek293 Cell Proliferation. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	1

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91	The impact of ionizing irradiation on liver detoxifying enzymes. A re-investigation. Cell Death Discovery, 2019, 5, 66.	2.0	0