Maria Rosa Ciriolo

List of Publications by Year
in descending order

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	Impaired degradation of YAP1 and IL6ST by chaperone-mediated autophagy promotes proliferation and migration of normal and hepatocellular carcinoma cells. Autophagy, 2023, 19, 152-162.	4.3	11
2	ROS-mediated activation of p38 protects hepatocellular carcinoma cells from caspase-independent death elicited by lysosomal damage. Biochemical Pharmacology, 2022, 198, 114983.	2.0	5
3	Inhibition of JNK increases the sensitivity of hepatocellular carcinoma cells to lysosomotropic drugs via LAMP2A destabilization. Cell Death Discovery, 2021, 7, 29.	2.0	5
4	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. Analytica Chimica Acta, 2021, 1148, 238173.	2.6	13
5	ROS-dependent HIF1Î± activation under forced lipid catabolism entails glycolysis and mitophagy as mediators of higher proliferation rate in cervical cancer cells. Journal of Experimental and Clinical Cancer Research, 2021, 40, 94.	3.5	28
6	Extracellular vesicles in endothelial cells: from mediators of cell-to-cell communication to cargo delivery tools. Free Radical Biology and Medicine, 2021, 172, 508-520.	1.3	18
7	Lipid Catabolism and ROS in Cancer: A Bidirectional Liaison. Cancers, 2021, 13, 5484.	1.7	16
8	BK Polyomavirus Activates HSF1 Stimulating Human Kidney Hek293 Cell Proliferation. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	1.9	1
9	Aconitase 2 inhibits the proliferation of MCF-7 cells promoting mitochondrial oxidative metabolism and ROS/FoxO1-mediated autophagic response. British Journal of Cancer, 2020, 122, 182-193.	2.9	41
10	Aconitase 2 sensitizes MCF-7 cells to cisplatin eliciting p53-mediated apoptosis in a ROS-dependent manner. Biochemical Pharmacology, 2020, 180, 114202.	2.0	10
11	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. Molecules, 2020, 25, 5472.	1.7	3
12	The novel nonâ€steroidal MR antagonist finerenone improves metabolic parameters in highâ€fat dietâ€fed mice and activates brown adipose tissue viaÂAMPKâ€ATGL pathway. FASEB Journal, 2020, 34, 12450-12465.	0.2	38
13	Adipose Tissue and FoxO1: Bridging Physiology and Mechanisms. Cells, 2020, 9, 849.	1.8	36
14	High Dietary Fat Intake Affects DNA Methylation/Hydroxymethylation in Mouse Heart: Epigenetic Hints for Obesityâ€Related Cardiac Dysfunction. Molecular Nutrition and Food Research, 2019, 63, e1800970.	1.5	16
15	Targeting Glutathione Metabolism: Partner in Crime in Anticancer Therapy. Nutrients, 2019, 11, 1926.	1.7	87
16	Glutathione and Nitric Oxide: Key Team Players in Use and Disuse of Skeletal Muscle. Nutrients, 2019, 11, 2318.	1.7	40
17	Oxidative Stress-Driven Autophagy acROSs Onset and Therapeutic Outcome in Hepatocellular Carcinoma. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	1.9	38
18	FoxO1 localizes to mitochondria of adipose tissue and is affected by nutrient stress. Metabolism: Clinical and Experimental, 2019, 95, 84-92.	1.5	25

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19	The impact of ionizing irradiation on liver detoxifying enzymes. A re-investigation. Cell Death Discovery, 2019, 5, 66.	2.0	0
20	GSH-C4 Acts as Anti-inflammatory Drug in Different Models of Canonical and Cell Autonomous Inflammation Through NFÎºB Inhibition. Frontiers in Immunology, 2019, 10, 155.	2.2	21
21	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
22	Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR-Î±/p300-mediated acetylation of p53. Oncogene, 2019, 38, 1860-1875.	2.6	42
23	Hints on ATGL implications in cancer: beyond bioenergetic clues. Cell Death and Disease, 2018, 9, 316.	2.7	59
24	Aberrations of the TCA Cycle in Cancer. , 2018, , .		3
25	Pharmacological activation of SIRT6 triggers lethal autophagy in human cancer cells. Cell Death and Disease, 2018, 9, 996.	2.7	75
26	Time-controlled fasting prevents aging-like mitochondrial changes induced by persistent dietary fat overload in skeletal muscle. PLoS ONE, 2018, 13, e0195912.	1.1	33
27	Autophagy and Autophagic Cell Death: Uncovering New Mechanisms Whereby Dehydroepiandrosterone Promotes Beneficial Effects on Human Health. Vitamins and Hormones, 2018, 108, 273-307.	0.7	14
28	The TCA cycle as a bridge between oncometabolism and DNA transactions in cancer. Seminars in Cancer Biology, 2017, 47, 50-56.	4.3	60
29	Maternal high calorie diet induces mitochondrial dysfunction and senescence phenotype in subcutaneous fat of newborn mice. Oncotarget, 2017, 8, 83407-83418.	0.8	13
30	Dehydroepiandrosterone triggers autophagic cell death in human hepatoma cell line HepG2 via JNK-mediated p62/SQSTM1 expression. Carcinogenesis, 2016, 37, 233-244.	1.3	42
31	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
32	Altered S-nitrosylation of p53 is responsible for impaired antioxidant response in skeletal muscle during aging. Aging, 2016, 8, 3450-3467.	1.4	32
33	Adipose triglyceride lipase decrement affects skeletal muscle homeostasis during aging through FAs-PPARÎ±-PGC-1Î± antioxidant response. Oncotarget, 2016, 7, 23019-23032.	0.8	30
34	Influenza virus replication in lung epithelial cells depends on redoxâ€sensitive pathways activated by<scp>NOX4</scp>â€derived<scp>ROS</scp>. Cellular Microbiology, 2015, 17, 131-145.	1.1	122
35	Glutamine Addiction of Cancer Cells. , 2015, , 99-111.		1
36	Broad targeting of angiogenesis for cancer prevention and therapy. Seminars in Cancer Biology, 2015, 35, S224-S243.	4.3	375

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37	Broad targeting of resistance to apoptosis in cancer. Seminars in Cancer Biology, 2015, 35, S78-S103.	4.3	535
38	Cancer prevention and therapy through the modulation of the tumor microenvironment. Seminars in Cancer Biology, 2015, 35, S199-S223.	4.3	285
39	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. Seminars in Cancer Biology, 2015, 35, S5-S24.	4.3	231
40	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. Seminars in Cancer Biology, 2015, 35, S25-S54.	4.3	468
41	A multi-targeted approach to suppress tumor-promoting inflammation. Seminars in Cancer Biology, 2015, 35, S151-S184.	4.3	95
42	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. Seminars in Cancer Biology, 2015, 35, S185-S198.	4.3	1,122
43	The multifaceted role of nitric oxide synthases in mitochondrial biogenesis and cell differentiation. Communicative and Integrative Biology, 2015, 8, e1017158.	0.6	5
44	Designing a broad-spectrum integrative approach for cancer prevention and treatment. Seminars in Cancer Biology, 2015, 35, S276-S304.	4.3	220
45	Mitochondrial dysfunctions in cancer: Genetic defects and oncogenic signaling impinging on TCA cycle activity. Cancer Letters, 2015, 356, 217-223.	3.2	97
46	Metformin Protects Skeletal Muscle from Cardiotoxin Induced Degeneration. PLoS ONE, 2014, 9, e114018.	1.1	45
47	MAPK14/p38Î±-dependent modulation of glucose metabolism affects ROS levels and autophagy during starvation. Autophagy, 2014, 10, 1652-1665.	4.3	62
48	FoxO1 at the nexus between fat catabolism and longevity pathways. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1555-1560.	1.2	30
49	The role of nNOS and PGC-1Î± in skeletal muscle cells. Journal of Cell Science, 2014, 127, 4813-20.	1.2	46
50	Managing lipid metabolism in proliferating cells: New perspective for metformin usage in cancer therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1845, 317-324.	3.3	22
51	Punctum on two different transcription factors regulated by PGC-1Î±: Nuclear factor erythroid-derived 2-like 2 and nuclear respiratory factor 2. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4137-4146.	1.1	96
52	TCA Cycle Defects and Cancer: When Metabolism Tunes Redox State. International Journal of Cell Biology, 2012, 2012, 1-9.	1.0	133
53	Caloric Restriction and the Nutrient-Sensing PGC-1<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>in Mitochondrial Homeostasis: New Perspectives in Neurodegeneration. International Journal of Cell Biology, 2012, 2012, 1-11.	1.0	25
54	Deprive to kill. Autophagy, 2012, 8, 1830-1832.	4.3	6

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55	Glutamine Deprivation Enhances Antitumor Activity of 3-Bromopyruvate through the Stabilization of Monocarboxylate Transporter-1. Cancer Research, 2012, 72, 4526-4536.	0.4	44
56	Glutathione participates in the modulation of starvation-induced autophagy in carcinoma cells. Autophagy, 2012, 8, 1769-1781.	4.3	99
57	Redox implications of AMPK-mediated signal transduction beyond energetic clues. Journal of Cell Science, 2012, 125, 2115-25.	1.2	176
58	Targeting aerobic glycolysis: 3-bromopyruvate as a promising anticancer drug. Journal of Bioenergetics and Biomembranes, 2012, 44, 17-29.	1.0	112
59	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. Biochemical Journal, 2011, 437, 443-453.	1.7	34
60	Neuronal nitric oxide synthase interacts with Sp1 through the PDZ domain inhibiting Sp1-mediated copperâ€"zinc superoxide dismutase expression. International Journal of Biochemistry and Cell Biology, 2011, 43, 163-169.	1.2	11
61	Modulation of intracellular glutathione affects adipogenesis in 3T3â€Ł1 cells. Journal of Cellular Physiology, 2011, 226, 2016-2024.	2.0	71
62	Nitric oxide is the primary mediator of cytotoxicity induced by GSH depletion in neuronal cells. Journal of Cell Science, 2011, 124, 1043-1054.	1.2	56
63	Glutathione is a crucial guardian of protein integrity in the brain upon nitric oxide imbalance. Communicative and Integrative Biology, 2011, 4, 477-479.	0.6	19
64	The Cystine/Cysteine Cycle and GSH Are Independent and Crucial Antioxidant Systems in Malignant Melanoma Cells and Represent Druggable Targets. Antioxidants and Redox Signaling, 2011, 15, 2439-2453.	2.5	41
65	Peroxisome Proliferator-activated Receptor Î³ Co-activator 1Î± (PGC-1Î±) and Sirtuin 1 (SIRT1) Reside in Mitochondria. Journal of Biological Chemistry, 2010, 285, 21590-21599.	1.6	294
66	Carcinoma cells activate AMP-activated protein kinase-dependent autophagy as survival response to kaempferol-mediated energetic impairment. Autophagy, 2010, 6, 202-216.	4.3	64
67	Under the ROS: Thiol network is the principal suspect for autophagy commitment. Autophagy, 2010, 6, 999-1005.	4.3	164
68	trans-Resveratrol inhibits H2O2-induced adenocarcinoma gastric cells proliferation via inactivation of MEK1/2-ERK1/2-c-Jun signalling axis. Biochemical Pharmacology, 2009, 77, 337-347.	2.0	30
69	Role of Nitric Oxide Synthases in Parkinsonâ€™s Disease: A Review on the Antioxidant and Anti-inflammatory Activity of Polyphenols. Neurochemical Research, 2008, 33, 2416-2426.	1.6	231
70	TAU DEPHOSPHORYLATION AND MICROFILAMENTS DISRUPTION ARE UPSTREAM EVENTS OF THE ANTI-PROLIFERATIVE EFFECTS OF DADS IN SH-SY5Y CELLS. Journal of Cellular and Molecular Medicine, 2008, 14, 564-77.	1.6	21
71	Transient cytoskeletal alterations after SOD1 depletion in neuroblastoma cells. Cellular and Molecular Life Sciences, 2008, 65, 991-1004.	2.4	17
72	6-(7-Nitro-2,1,3-benzoxadiazol-4-ylthio)hexanol, a specific glutathione S-transferase inhibitor, overcomes the multidrug resistance (MDR)-associated protein 1â€"mediated MDR in small cell lung cancer. Molecular Cancer Therapeutics, 2008, 7, 371-379.	1.9	49

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73	Reactive oxygen and nitrogen species are involved in sorbitol-induced apoptosis of human erithroleukaemia cells K562. Free Radical Research, 2007, 41, 452-460.	1.5	21
74	Neuronal nitric oxide synthase protects neuroblastoma cells from oxidative stress mediated by garlic derivatives. Journal of Neurochemistry, 2007, 101, 1327-1337.	2.1	25
75	Purification and characterization of Alpha-Fetoprotein from the human hepatoblastoma HepG2 cell line in serum-free medium. BioMetals, 2007, 20, 869-878.	1.8	8
76	Mitochondrial damage due to SOD1 deficiency in SHâ€SY5Y neuroblastoma cells: a rationale for the redundancy of SOD1. FASEB Journal, 2006, 20, 1683-1685.	0.2	55
77	Activation of c-Jun-N-terminal kinase is required for apoptosis triggered by glutathione disulfide in neuroblastoma cells. Free Radical Biology and Medicine, 2005, 39, 345-354.	1.3	46
78	Proapoptotic Activity of New Glutathione S-Transferase Inhibitors. Cancer Research, 2005, 65, 3751-3761.	0.4	109
79	Redox Control of Apoptosis. Antioxidants and Redox Signaling, 2005, 7, 432-435.	2.5	8
80	Glutathione Limits Ero1-dependent Oxidation in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2004, 279, 32667-32673.	1.6	130
81	Interplay of Cu,Zn Superoxide Dismutase and Nitric Oxide Synthase in Neurodegenerative Processes. IUBMB Life, 2004, 55, 629-634.	1.5	17
82	Proteasome activation and nNOS down-regulation in neuroblastoma cells expressing a Cu,Zn superoxide dismutase mutant involved in familial ALS. Journal of Neurochemistry, 2003, 85, 1324-1335.	2.1	45
83	Glutathione disulfide induces apoptosis in U937 cells by a redoxâ€mediated p38 mitogenâ€activated protein kinase pathway. FASEB Journal, 2003, 17, 64-66.	0.2	125
84	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. Journal of Neurochemistry, 2001, 77, 1433-1443.	2.1	35
85	Role of the electrostatic loop of Cu,Zn superoxide dismutase in the copper uptake process. FEBS Journal, 2001, 268, 737-742.	0.2	29
86	Cu,Zn-Superoxide Dismutase-dependent Apoptosis Induced by Nitric Oxide in Neuronal Cells. Journal of Biological Chemistry, 2000, 275, 5065-5072.	1.6	88
87	Loss of GSH, Oxidative Stress, and Decrease of Intracellular pH as Sequential Steps in Viral Infection. Journal of Biological Chemistry, 1997, 272, 2700-2708.	1.6	130
88	Evidence for antiviral activity of glutathione: in vitro inhibition of herpes simplex virus type 1 replication. Antiviral Research, 1995, 27, 237-253.	1.9	124
89	An X-ray absorption study of the reconstitution process of bovine Cu,Zn superoxide dismutase by Cu(I)-glutathione complex. FEBS Letters, 1993, 322, 165-167.	1.3	20
90	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. FEBS Letters, 1991, 278, 263-266.	1.3	89

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91	Effect of the Redox State of the Red Blood Cell Components on the Inactivation of Glutathione Peroxidase by Divicine. Free Radical Research Communications, 1986, 1, 297-304.	1.8	4