Lina Ghibelli

List of Publications by Year
in descending order

67 papers	5,129 citations	159358 30 h-index	106150 65 g-index
69 all docs	69 docs citations	69 times ranked	8064 citing authors

#	Article	IF	Citations
1	Pharmacological potential of cerium oxide nanoparticles. Nanoscale, 2011, 3, 1411.	2.8	851
2	Copper Nanoparticle/Polymer Composites with Antifungal and Bacteriostatic Properties. Chemistry of Materials, 2005, 17, 5255-5262.	3.2	716
3	The Role of Cyclooxygenase-2 in Cell Proliferation and Cell Death in Human Malignancies. International Journal of Cell Biology, 2010, 2010, 1-21.	1.0	345
4	Catalytic properties and biomedical applications of cerium oxide nanoparticles. Environmental Science: Nano, 2015, 2, 33-53.	2.2	341
5	Ce³⁺ Ions Determine Redox-Dependent Anti-apoptotic Effect of Cerium Oxide Nanoparticles. ACS Nano, 2011, 5, 4537-4549.	7.3	335
6	Melatonin: A pleiotropic molecule regulating inflammation. Biochemical Pharmacology, 2010, 80, 1844-1852.	2.0	281
7	Antifungal activity of polymer-based copper nanocomposite coatings. Applied Physics Letters, 2004, 85, 2417-2419.	1.5	172
8	Cerium oxide nanoparticles, combining antioxidant and UV shielding properties, prevent UV-induced cell damage and mutagenesis. Nanoscale, 2015, 7, 15643-15656.	2.8	140
9	The Dual Role of Calcium as Messenger and Stressor in Cell Damage, Death, and Survival. International Journal of Cell Biology, 2010, 2010, 1-14.	1.0	135
10	Melatonin antagonizes the intrinsic pathway of apoptosis via mitochondrial targeting of Bclâ€2. Journal of Pineal Research, 2008, 44, 316-325.	3.4	110
11	Pharmacological potential of bioactive engineered nanomaterials. Biochemical Pharmacology, 2014, 92, 112-130.	2.0	103
12	The tissue-specific expression of the thyroglobulin gene requires interaction between thyroid-specific and ubiquitous factors. FEBS Journal, 1990, 193, 311-318.	0.2	87
13	Redox modulation of the DNA damage response. Biochemical Pharmacology, 2012, 84, 1292-1306.	2.0	86
14	A novel synthetic approach of cerium oxide nanoparticles with improved biomedical activity. Scientific Reports, 2017, 7, 4636.	1.6	84
15	Multistep and multitask Bax activation. Mitochondrion, 2010, 10, 604-613.	1.6	76
16	Cerium oxide nanoparticles: a promise for applications in therapy. Journal of Experimental Therapeutics and Oncology, 2011, 9, 47-51.	0.5	75
17	Cerium oxide nanoparticles inhibit differentiation of neural stem cells. Scientific Reports, 2017, 7, 9284.	1.6	65
18	Not Only Redox: The Multifaceted Activity of Cerium Oxide Nanoparticles in Cancer Prevention and Therapy. Frontiers in Oncology, 2018, 8, 309.	1.3	65

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19	Melatonin antagonizes apoptosis via receptor interaction in U937 monocytic cells. Journal of Pineal Research, 2007, 43, 154-162.	3.4	62
20	Rapid and transient stimulation of intracellular reactive oxygen species by melatonin in normal and tumor leukocytes. Toxicology and Applied Pharmacology, 2009, 239, 37-45.	1.3	58
21	Static magnetic fields affect calcium fluxes and inhibit stress-induced apoptosis in human glioblastoma cells. Cytometry, 2002, 49, 143-149.	1.8	57
22	Intracellular Prooxidant Activity of Melatonin Induces a Survival Pathway Involving NFâ€•ÎºB Activation. Annals of the New York Academy of Sciences, 2009, 1171, 472-478.	1.8	53
23	Polylactic is a Sustainable, Low Absorption, Low Autofluorescence Alternative to Other Plastics for Microfluidic and Organ-on-Chip Applications. Analytical Chemistry, 2020, 92, 6693-6701.	3.2	50
24	Glutathione depletion upâ€•regulates Bclâ€•2 in BSOâ€•resistant cells. FASEB Journal, 2004, 18, 1609-1611.	0.2	47
25	Peroxisome Proliferator-Activated Receptors (PPAR)Î³ Agonists as Master Modulators of Tumor Tissue. International Journal of Molecular Sciences, 2018, 19, 3540.	1.8	42
26	Anti-apoptotic effect of HIV protease inhibitors via direct inhibition of calpain. Biochemical Pharmacology, 2003, 66, 1505-1512.	2.0	36
27	Effect of different carbon nanotubes on cell viability and proliferation. Journal of Physics Condensed Matter, 2007, 19, 395013.	0.7	36
28	Neuroprotection by Melatonin on Astrocytoma Cell Death. Annals of the New York Academy of Sciences, 2009, 1171, 509-513.	1.8	35
29	Glutathione depletion in survival and apoptotic pathways. Frontiers in Pharmacology, 2014, 5, 267.	1.6	35
30	Intracellular Pro-oxidant Activity of Melatonin Deprives U937 Cells of Reduced Glutathione without Affecting Glutathione Peroxidase Activity. Annals of the New York Academy of Sciences, 2006, 1091, 10-16.	1.8	32
31	Oxidative, multistep activation of the noncanonical NFâ€•ÎºB pathway <i>via</i> disulfide Bclâ€•3/p50 complex. FASEB Journal, 2009, 23, 45-57.	0.2	29
32	Multiple Mechanisms for Hydrogen Peroxideâ€“Induced Apoptosis. Annals of the New York Academy of Sciences, 2009, 1171, 559-563.	1.8	29
33	Anakoinosis: Communicative Reprogramming of Tumor Systems - for Rescuing from Chemorefractory Neoplasia. Cancer Microenvironment, 2015, 8, 75-92.	3.1	28
34	Clinical Efficacy of a Novel Therapeutic Principle, Anakoinosis. Frontiers in Pharmacology, 2018, 9, 1357.	1.6	26
35	Melatonin as an Apoptosis Antagonist. Annals of the New York Academy of Sciences, 2006, 1090, 226-233.	1.8	24
36	Subapoptogenic Oxidative Stress Strongly Increases the Activity of the Glycolytic Key Enzyme Glyceraldehyde 3â€•Phosphate Dehydrogenase. Annals of the New York Academy of Sciences, 2009, 1171, 583-590.	1.8	24

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37	Melatonin as a Modulator of Apoptosis in Bâ€Lymphoma Cells. Annals of the New York Academy of Sciences, 2009, 1171, 345-349.	1.8	24
38	Carbon nanotubes on Jurkat cells: effects on cell viability and plasma membrane potential. Journal of Physics Condensed Matter, 2008, 20, 474204.	0.7	22
39	Magnetic fields promote a pro-survival non-capacitative Ca2+ entry via phospholipase C signaling. International Journal of Biochemistry and Cell Biology, 2011, 43, 393-400.	1.2	22
40	Learning Cancer-Related Drug Efficacy Exploiting Consensus in Coordinated Motility Within Cell Clusters. IEEE Transactions on Biomedical Engineering, 2019, 66, 2882-2888.	2.5	21
41	Cytosolic and Endoplasmic Reticulum Ca2+Concentrations Determine the Extent and the Morphological Type of Apoptosis, Respectively. Annals of the New York Academy of Sciences, 2003, 1010, 74-77.	1.8	20
42	Involvement of 5-lipoxygenase in survival of Epsteinâ€“Barr virus (EBV)-converted B lymphoma cells. Cancer Letters, 2007, 254, 236-243.	3.2	19
43	Different fates of intracellular glutathione determine different modalities of apoptotic nuclear vesiculation. Biochemical Pharmacology, 2006, 72, 1405-1416.	2.0	18
44	Nanoceria protects from alterations in oxidative metabolism and calcium overloads induced by TNFÎ± and cycloheximide in U937 cells: pharmacological potential of nanoparticles. Molecular and Cellular Biochemistry, 2014, 397, 245-253.	1.4	18
45	Lowering Etoposide Doses Shifts Cell Demise From Caspase-Dependent to Differentiation and Caspase-3-Independent Apoptosis via DNA Damage Response, Inducing AML Culture Extinction. Frontiers in Pharmacology, 2018, 9, 1307.	1.6	18
46	Biomodulatory Treatment With Azacitidine, All-trans Retinoic Acid and Pioglitazone Induces Differentiation of Primary AML Blasts Into Neutrophil Like Cells Capable of ROS Production and Phagocytosis. Frontiers in Pharmacology, 2018, 9, 1380.	1.6	17
47	Anakoinosis: Correcting Aberrant Homeostasis of Cancer Tissueâ€"Going Beyond Apoptosis Induction. Frontiers in Oncology, 2019, 9, 1408.	1.3	17
48	Rescue of Cells from Apoptosis by Antioxidants Occurs Downstream from GSH Extrusion. Annals of the New York Academy of Sciences, 2003, 1010, 441-445.	1.8	13
49	Sequential phases of Ca2+ alterations in pre-apoptotic cells. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 2207-2219.	2.2	13
50	Cerium Oxide Nanoparticles Re-establish Cell Integrity Checkpoints and Apoptosis Competence in Irradiated HaCat Cells via Novel Redox-Independent Activity. Frontiers in Pharmacology, 2018, 9, 1183.	1.6	13
51	Apoptosis as Driver of Therapy-Induced Cancer Repopulation and Acquired Cell-Resistance (CRAC): A Simple In Vitro Model of Phoenix Rising in Prostate Cancer. International Journal of Molecular Sciences, 2022, 23, 1152.	1.8	13
52	Effects of Carbon Nanotubes on Human Monocytes. Annals of the New York Academy of Sciences, 2009, 1171, 600-605.	1.8	11
53	Non-apoptogenic Ca2+-Related Extrusion of Mitochondria in Anoxia/Reoxygenation Stress. Annals of the New York Academy of Sciences, 2007, 1099, 512-515.	1.8	9
54	A Computational Model of Tumor Growth and Anakoinosis. Frontiers in Pharmacology, 2019, 10, 287.	1.6	9

#	ARTICLE	IF	CITATIONS
55	Deciphering Cancer Cell Behavior From Motility and Shape Features: Peer Prediction and Dynamic Selection to Support Cancer Diagnosis and Therapy. Frontiers in Oncology, 2020, 10, 580698.	1.3	9
56	Uncertainty Evaluation of a VBM System for AFM Study of Cell-Cerium Oxide Nanoparticles Interactions. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1564-1572.	2.4	8
57	Maturation and demise of human primary monocytes by carbon nanotubes. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	7
58	Oxidative Upregulation of Bcl-2 in Healthy Lymphocytes. Annals of the New York Academy of Sciences, 2006, 1091, 1-9.	1.8	6
59	Analysis of Calcium Changes in Endoplasmic Reticulum during Apoptosis by the Fluorescent Indicator Chlortetracycline. Annals of the New York Academy of Sciences, 2007, 1099, 490-493.	1.8	6
60	Slow release of etoposide from dextran conjugation shifts etoposide activity from cytotoxicity to differentiation: A promising tool for dosage control in anticancer metronomic therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2005-2014.	1.7	5
61	A Camera Sensors-Based System to Study Drug Effects on In Vitro Motility: The Case of PC-3 Prostate Cancer Cells. Sensors, 2020, 20, 1531.	2.1	5
62	Drug Repurposing by Tumor Tissue Editing. Frontiers in Oncology, 0, 12, .	1.3	5
63	Multiparameter analysis of apoptosis in puromycin-treated Saccharomyces cerevisiae. Archives of Microbiology, 2015, 197, 773-780.	1.0	4
64	Molecular Determinants Involved in the Increase of Damage-Induced Apoptosis and Delay of Secondary Necrosis due to Inhibition of Mono(ADP-Ribosyl)ation. Annals of the New York Academy of Sciences, 2006, 1090, 50-58.	1.8	3
65	Editorial: Anakoinosis: An Innovative Anticancer Therapy Targeting the Aberrant Cancer Tissue Homeostasis. Frontiers in Pharmacology, 2021, 12, 779021.	1.6	2
66	Biological interactions of oxide nanoparticles: The good and the evil. MRS Bulletin, 2014, 39, 949-954.	1.7	1
67	Editorial: Tumor Systems Biology: How to Therapeutically Redirect Dysregulated Homeostasis in Tumor Systems (i.e., Anakoinosis). Frontiers in Oncology, 2020, 10, 1675.	1.3	0