

Claudia Cerella

List of Publications by Year in descending order

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99
papers

8,558
citations

101543

36
h-index

43889

91
g-index

105
all docs

105
docs citations

105
times ranked

18974
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.	9.1	4,701
2	The Role of Cyclooxygenase-2 in Cell Proliferation and Cell Death in Human Malignancies. <i>International Journal of Cell Biology</i> , 2010, 2010, 1-21.	2.5	345
3	The Dual Role of Calcium as Messenger and Stressor in Cell Damage, Death, and Survival. <i>International Journal of Cell Biology</i> , 2010, 2010, 1-14.	2.5	135
4	Cardiac glycosides in cancer therapy: from preclinical investigations towards clinical trials. <i>Investigational New Drugs</i> , 2013, 31, 1087-1094.	2.6	133
5	Oxidative Bax dimerization promotes its translocation to mitochondria independently of apoptosis. <i>FASEB Journal</i> , 2005, 19, 1504-1506.	0.5	120
6	Melatonin antagonizes the intrinsic pathway of apoptosis via mitochondrial targeting of Bcl-2. <i>Journal of Pineal Research</i> , 2008, 44, 316-325.	7.4	110
7	Proapoptotic Activity of New Glutathione S-Transferase Inhibitors. <i>Cancer Research</i> , 2005, 65, 3751-3761.	0.9	109
8	Targeting COX-2 expression by natural compounds: A promising alternative strategy to synthetic COX-2 inhibitors for cancer chemoprevention and therapy. <i>Biochemical Pharmacology</i> , 2010, 80, 1801-1815.	4.4	100
9	Anti-inflammatory, pro-apoptotic, and anti-proliferative effects of a methanolic neem (<i>Azadirachta</i>) Tj ETQq1 1 0.784314 rgBT /Overl... 2011, 6, 149-160.	2.5	98
10	Assembling the puzzle of anti-cancer mechanisms triggered by cardiac glycosides. <i>Mitochondrion</i> , 2013, 13, 225-234.	3.4	95
11	Anticancer and Immunogenic Properties of Cardiac Glycosides. <i>Molecules</i> , 2017, 22, 1932.	3.8	90
12	UNBS1450, a steroid cardiac glycoside inducing apoptotic cell death in human leukemia cells. <i>Biochemical Pharmacology</i> , 2011, 81, 13-23.	4.4	86
13	Cardiac glycosides: From molecular targets to immunogenic cell death. <i>Biochemical Pharmacology</i> , 2017, 125, 1-11.	4.4	86
14	Heteronemin, a spongean sesterterpene, inhibits TNF α -induced NF- κ B activation through proteasome inhibition and induces apoptotic cell death. <i>Biochemical Pharmacology</i> , 2010, 79, 610-622.	4.4	85
15	Non-canonical programmed cell death mechanisms triggered by natural compounds. <i>Seminars in Cancer Biology</i> , 2016, 40-41, 4-34.	9.6	79
16	Antiherpes activity of glucoevatromonoside, a cardenolide isolated from a Brazilian cultivar of <i>Digitalis lanata</i> . <i>Antiviral Research</i> , 2011, 92, 73-80.	4.1	78
17	Cell type-dependent ROS and mitophagy response leads to apoptosis or necroptosis in neuroblastoma. <i>Oncogene</i> , 2016, 35, 3839-3853.	5.9	73
18	ROS-independent JNK activation and multisite phosphorylation of Bcl-2 link diallyl tetrasulfide-induced mitotic arrest to apoptosis. <i>Carcinogenesis</i> , 2012, 33, 2162-2171.	2.8	70

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19	A Survey of Marine Natural Compounds and Their Derivatives with Anti-Cancer Activity Reported in 2011. <i>Molecules</i> , 2013, 18, 3641-3673.	3.8	70
20	From nature to bedside: Pro-survival and cell death mechanisms as therapeutic targets in cancer treatment. <i>Biotechnology Advances</i> , 2014, 32, 1111-1122.	11.7	67
21	Chemical Properties and Mechanisms Determining the Anti-Cancer Action of Garlic-Derived Organic Sulfur Compounds. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 267-271.	1.7	66
22	Melatonin antagonizes apoptosis via receptor interaction in U937 monocytic cells. <i>Journal of Pineal Research</i> , 2007, 43, 154-162.	7.4	62
23	Early downregulation of Mcl-1 regulates apoptosis triggered by cardiac glycoside UNBS1450. <i>Cell Death and Disease</i> , 2015, 6, e1782-e1782.	6.3	62
24	Rapid and transient stimulation of intracellular reactive oxygen species by melatonin in normal and tumor leukocytes. <i>Toxicology and Applied Pharmacology</i> , 2009, 239, 37-45.	2.8	58
25	Static magnetic fields affect calcium fluxes and inhibit stress-induced apoptosis in human glioblastoma cells. <i>Cytometry</i> , 2002, 49, 143-149.	1.8	57
26	Intracellular Prooxidant Activity of Melatonin Induces a Survival Pathway Involving NF- κ B Activation. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 472-478.	3.8	53
27	Cell cycle arrest in early mitosis and induction of caspase-dependent apoptosis in U937 cells by diallyltetrasulfide (Al2S4). <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 641-654.	4.9	49
28	Natural Compounds as Regulators of the Cancer Cell Metabolism. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-16.	2.5	49
29	A Survey of Marine Natural Compounds and Their Derivatives with Anti-Cancer Activity Reported in 2012. <i>Molecules</i> , 2015, 20, 7097-7142.	3.8	49
30	Quercetin downregulates Mcl-1 by acting on mRNA stability and protein degradation. <i>British Journal of Cancer</i> , 2011, 105, 221-230.	6.4	48
31	Glutathione depletion upregulates Bcl-2 in BSO-resistant cells. <i>FASEB Journal</i> , 2004, 18, 1609-1611.	0.5	47
32	Magnetic Fields Protect from Apoptosis via Redox Alteration. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 59-68.	3.8	47
33	Garlic-derived natural polysulfanes as hydrogen sulfide donors: Friend or foe?. <i>Food and Chemical Toxicology</i> , 2016, 95, 219-233.	3.6	45
34	Synthetic polysulfane derivatives induce cell cycle arrest and apoptotic cell death in human hematopoietic cancer cells. <i>Food and Chemical Toxicology</i> , 2014, 64, 249-257.	3.6	42
35	NMR exposure sensitizes tumor cells to apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 359-365.	4.9	41
36	Roles of Apoptosis and Cellular Senescence in Cancer and Aging. <i>Current Drug Targets</i> , 2016, 17, 405-415.	2.1	39

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37	Effect of different carbon nanotubes on cell viability and proliferation. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 395013.	1.8	36
38	Natural scaffolds in anticancer therapy and precision medicine. <i>Biotechnology Advances</i> , 2018, 36, 1563-1585.	11.7	35
39	Cytostatic hydroxycoumarin OT52 induces ER/Golgi stress and STAT3 inhibition triggering non-canonical cell death and synergy with BH3 mimetics in lung cancer. <i>Cancer Letters</i> , 2018, 416, 94-108.	7.2	35
40	Intracellular Pro-oxidant Activity of Melatonin Deprives U937 Cells of Reduced Glutathione without Affecting Glutathione Peroxidase Activity. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 10-16.	3.8	32
41	Styryl-lactone goniotalamin inhibits TNF- α -induced NF- κ B activation. <i>Food and Chemical Toxicology</i> , 2013, 59, 572-578.	3.6	32
42	Tanzawaic acids isolated from a marine-derived fungus of the genus <i>Penicillium</i> with cytotoxic activities. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7248-7256.	2.8	32
43	Apoptotic GSH Extrusion Is Associated with Free Radical Generation. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 449-452.	3.8	30
44	Modulatory roles of glycolytic enzymes in cell death. <i>Biochemical Pharmacology</i> , 2014, 92, 22-30.	4.4	30
45	Multiple Mechanisms for Hydrogen Peroxide-Induced Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 559-563.	3.8	29
46	A novel coumarin-quinone derivative SV37 inhibits CDC25 phosphatases, impairs proliferation, and induces cell death. <i>Molecular Carcinogenesis</i> , 2015, 54, 229-241.	2.7	29
47	Hydroxycoumarin OT-55 kills CML cells alone or in synergy with imatinib or Synribo: Involvement of ER stress and DAMP release. <i>Cancer Letters</i> , 2018, 438, 197-218.	7.2	29
48	Cardiac Glycoside Glucoevatromonoside Induces Cancer Type-Specific Cell Death. <i>Frontiers in Pharmacology</i> , 2018, 9, 70.	3.5	28
49	Hyperpolarization of Plasma Membrane of Tumor Cells Sensitive to Antiapoptotic Effects of Magnetic Fields. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 217-225.	3.8	26
50	Melatonin as an Apoptosis Antagonist. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 226-233.	3.8	24
51	Subapoptogenic Oxidative Stress Strongly Increases the Activity of the Glycolytic Key Enzyme Glyceraldehyde 3-Phosphate Dehydrogenase. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 583-590.	3.8	24
52	Plumbagin Modulates Leukemia Cell Redox Status. <i>Molecules</i> , 2014, 19, 10011-10032.	3.8	24
53	Cox-2 inhibitors induce early c-Myc downregulation and lead to expression of differentiation markers in leukemia cells. <i>Cell Cycle</i> , 2011, 10, 2978-2993.	2.6	23
54	2,5-Dimethyl-Celecoxib Inhibits Cell Cycle Progression and Induces Apoptosis in Human Leukemia Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 355, 308-328.	2.5	23

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55	Magnetic fields promote a pro-survival non-capacitative Ca ²⁺ entry via phospholipase C signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 393-400.	2.8	22
56	Anti HSV-1 Activity of Halistanol Sulfate and Halistanol Sulfate C Isolated from Brazilian Marine Sponge <i>Petromica citrina</i> (Demospongiae). <i>Marine Drugs</i> , 2013, 11, 4176-4192.	4.6	21
57	Oximoaspergillimide, a Fungal Derivative from a Marine Isolate of <i>Aspergillus</i> sp.. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2256-2261.	2.4	21
58	Tubulin-binding anticancer polysulfides induce cell death via mitotic arrest and autophagic interference in colorectal cancer. <i>Cancer Letters</i> , 2017, 410, 139-157.	7.2	21
59	Tetrahydrobenzimidazole TMQ0153 triggers apoptosis, autophagy and necroptosis crosstalk in chronic myeloid leukemia. <i>Cell Death and Disease</i> , 2020, 11, 109.	6.3	21
60	Cytosolic and Endoplasmic Reticulum Ca ²⁺ Concentrations Determine the Extent and the Morphological Type of Apoptosis, Respectively. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 74-77.	3.8	20
61	COX-2 inhibitors block chemotherapeutic agent-induced apoptosis prior to commitment in hematopoietic cancer cells. <i>Biochemical Pharmacology</i> , 2011, 82, 1277-1290.	4.4	20
62	Antagonistic role of natural compounds in mTOR-mediated metabolic reprogramming. <i>Cancer Letters</i> , 2015, 356, 251-262.	7.2	20
63	Bcl-2 protein family expression pattern determines synergistic pro-apoptotic effects of BH3 mimetics with hemisynthetic cardiac glycoside UNBS1450 in acute myeloid leukemia. <i>Leukemia</i> , 2017, 31, 755-759.	7.2	20
64	The dialkyl resorcinol stemphol disrupts calcium homeostasis to trigger programmed immunogenic necrosis in cancer. <i>Cancer Letters</i> , 2018, 416, 109-123.	7.2	20
65	Different fates of intracellular glutathione determine different modalities of apoptotic nuclear vesiculation. <i>Biochemical Pharmacology</i> , 2006, 72, 1405-1416.	4.4	18
66	Energy restriction mimetic agents to target cancer cells: Comparison between 2-deoxyglucose and thiazolidinediones. <i>Biochemical Pharmacology</i> , 2014, 92, 102-111.	4.4	18
67	PPAR β inactive γ troglitazone independently triggers ER stress and apoptosis in breast cancer cells. <i>Molecular Carcinogenesis</i> , 2015, 54, 393-404.	2.7	18
68	BH3 Mimetics in AML Therapy: Death and Beyond?. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 793-814.	8.7	18
69	Potential anti-herpes and cytotoxic action of novel semisynthetic digitoxigenin-derivatives. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 546-561.	5.5	17
70	Diallylpolysulfides induce growth arrest and apoptosis. <i>International Journal of Oncology</i> , 2010, 36, 743-9.	3.3	16
71	Rescue of Cells from Apoptosis by Antioxidants Occurs Downstream from GSH Extrusion. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 441-445.	3.8	13
72	Sequential phases of Ca ²⁺ alterations in pre-apoptotic cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 2207-2219.	4.9	13

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73	Cytotoxicity of AMANTADIG “ a semisynthetic digitoxigenin derivative “ alone and in combination with docetaxel in human hormone-refractory prostate cancer cells and its effect on Na ⁺ /K ⁺ -ATPase inhibition. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 464-474.	5.6	13
74	Cytotoxic, Antiproliferative and Pro-Apoptotic Effects of 5-Hydroxyl-6,7,3,4,5-Pentamethoxyflavone Isolated from <i>Lantana ukambensis</i> . <i>Nutrients</i> , 2015, 7, 10388-10397.	4.1	12
75	Naturally Occurring Organic Sulfur Compounds: An Example of a Multitasking Class of Phytochemicals in Anti-Cancer Research. , 0, , .		11
76	Targeting inflammatory cell signaling mechanisms: a promising road to new therapeutic agents in chemoprevention and cancer therapy. <i>Journal of Experimental Therapeutics and Oncology</i> , 2011, 9, 1-4.	0.5	11
77	Anti-Leukemic Properties of Aplysinopsin Derivative EE-84 Alone and Combined to BH3 Mimetic A-1210477. <i>Marine Drugs</i> , 2021, 19, 285.	4.6	10
78	Non-apoptogenic Ca ²⁺ -Related Extrusion of Mitochondria in Anoxia/Reoxygenation Stress. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 512-515.	3.8	9
79	Celecoxib prevents curcumin-induced apoptosis in a hematopoietic cancer cell model. <i>Molecular Carcinogenesis</i> , 2015, 54, 999-1013.	2.7	9
80	Petromurin C Induces Protective Autophagy and Apoptosis in FLT3-ITD-Positive AML: Synergy with Gilteritinib. <i>Marine Drugs</i> , 2020, 18, 57.	4.6	9
81	Elucidation of the mechanism of anti-herpes action of two novel semisynthetic cardenolide derivatives. <i>Archives of Virology</i> , 2020, 165, 1385-1396.	2.1	9
82	Effects of Natural Products on Mcl-1 Expression and Function. <i>Current Medicinal Chemistry</i> , 2015, 22, 3447-3461.	2.4	9
83	The Cleavage Mode of Apoptotic Nuclear Vesiculation Is Related to Plasma Membrane Blebbing and Depends on Actin Reorganization. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 69-78.	3.8	8
84	Oxidative Upregulation of Bcl-2 in Healthy Lymphocytes. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 1-9.	3.8	6
85	Analysis of Calcium Changes in Endoplasmic Reticulum during Apoptosis by the Fluorescent Indicator Chlortetracycline. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 490-493.	3.8	6
86	Metabolism and Cancer: Old and New Players. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-2.	2.5	5
87	Investigation of the cytotoxic activity of two novel digitoxigenin analogues on H460 lung cancer cells. <i>Anti-Cancer Drugs</i> , 2020, 31, 452-462.	1.4	5
88	Phytochemical Screening and Antioxidant and Cytotoxic Effects of <i>Acacia macrostachya</i> . <i>Plants</i> , 2021, 10, 1353.	3.5	4
89	Molecular Determinants Involved in the Increase of Damage-Induced Apoptosis and Delay of Secondary Necrosis due to Inhibition of Mono(ADP-Ribosyl)ation. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 50-58.	3.8	3
90	Redox Modulation of the Apoptogenic Activity of Thapsigargin. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 469-472.	3.8	3

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91	Biotinylation enhances the anticancer effects of 15dâ€™PGJ2 against breast cancer cells. International Journal of Oncology, 2018, 52, 1991-2000.	3.3	3
92	Cytotoxicity of glucoevatromonoside alone and in combination with chemotherapy drugs and their effects on Na ⁺ ,K ⁺ -ATPase and ion channels on lung cancer cells. Molecular and Cellular Biochemistry, 2021, 476, 1825-1848.	3.1	3
93	Novel job opportunities in cell death!. Biochemical Pharmacology, 2008, 76, 1307-1309.	4.4	1
94	Cytotoxic Effect and NF-Î²B Inhibition of Fractions from Lantana ukambensis (Verbenacea). Planta Medica, 2013, 79, .	1.3	1
95	Hypoxic Stress Stably Alters Apoptotic Parameters on U937 Cells. Annals of the New York Academy of Sciences, 2003, 1010, 426-429.	3.8	0
96	246: Effects of the potential energy restriction mimetic agent delta2-troglitazone in breast cancer cells. European Journal of Cancer, 2014, 50, S57-S58.	2.8	0
97	Hydroquinone-Derivatives Induce Cell Death in Chronic Myelogenous Leukemia. Proceedings (mdpi), 2019, 11, 28.	0.2	0
98	Targeted Anticancer Strategies with Garlic Derivatives. Proceedings (mdpi), 2019, 11, 29.	0.2	0
99	Abstract LB-277: Dynamic functional analysis of the response of cancer cell lines to the drug UNBS1450. , 2011, , .		0