Dhyan Chandra

List of Publications by Year
in descending order

62 papers	8,909 citations	117571 34 h-index	138417 58 g-index
63 all docs	63 docs citations	63 times ranked	19549 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Highly purified CD44+ prostate cancer cells from xenograft human tumors are enriched in tumorigenic and metastatic progenitor cells. Oncogene, 2006, 25, 1696-1708.	2.6	927
3	Functional Evidence that the Self-Renewal Gene NANOG Regulates Human Tumor Development. Stem Cells, 2009, 27, 993-1005.	1.4	307
4	Cytosolic Accumulation of HSP60 during Apoptosis with or without Apparent Mitochondrial Release. Journal of Biological Chemistry, 2007, 282, 31289-31301.	1.6	207
5	Early Mitochondrial Activation and Cytochrome c Up-regulation during Apoptosis. Journal of Biological Chemistry, 2002, 277, 50842-50854.	1.6	179
6	Association of Active Caspase 8 with the Mitochondrial Membrane during Apoptosis: Potential Roles in Cleaving BAP31 and Caspase 3 and Mediating Mitochondrion-Endoplasmic Reticulum Cross Talk in Etoposide-Induced Cell Death. Molecular and Cellular Biology, 2004, 24, 6592-6607.	1.1	140
7	Receptor-interacting Protein 140 Directly Recruits Histone Deacetylases for Gene Silencing. Journal of Biological Chemistry, 2000, 275, 40782-40787.	1.6	132
8	Genetic insights into OXPHOS defect and its role in cancer. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 620-625.	0.5	131
9	Intracellular Nucleotides Act as Critical Prosurvival Factors by Binding to Cytochrome C and Inhibiting Apoptosome. Cell, 2006, 125, 1333-1346.	13.5	112
10	Evidence That Arachidonate 15-Lipoxygenase 2 Is a Negative Cell Cycle Regulator in Normal Prostate Epithelial Cells. Journal of Biological Chemistry, 2002, 277, 16189-16201.	1.6	104
11	Oxidative phosphorylation-dependent regulation of cancer cell apoptosis in response to anticancer agents. Cell Death and Disease, 2015, 6, e1969-e1969.	2.7	97
12	Endoplasmic reticulum-mediated unfolded protein response and mitochondrial apoptosis in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1867, 58-66.	3.3	95
13	Induction of prosurvival molecules by apoptotic stimuli: involvement of FOXO3a and ROS. Oncogene, 2005, 24, 2020-2031.	2.6	88
14	Influence of methylglyoxal on antioxidant enzymes and oxidative damage. Toxicology Letters, 1997, 93, 141-152.	0.4	85
15	Resveratrol Induces p53-independent, X-linked Inhibitor of Apoptosis Protein (XIAP)-mediated Bax Protein Oligomerization on Mitochondria to Initiate Cytochrome c Release and Caspase Activation. Journal of Biological Chemistry, 2011, 286, 28749-28760.	1.6	84
16	Bax-dependent Regulation of Bak by Voltage-dependent Anion Channel 2*. Journal of Biological Chemistry, 2005, 280, 19051-19061.	1.6	83
17	Investigation of Mitochondrial Metabolic Response to Doxorubicin in Prostate Cancer Cells: An NADH, FAD and Tryptophan FLIM Assay. Scientific Reports, 2017, 7, 10451.	1.6	79
18	Radiation induced oxidative stress: II studies in liver as a distant organ of tumor bearing mice. Molecular and Cellular Biochemistry, 2001, 224, 9-17.	1.4	75

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19	Restoration of mitochondria function as a target for cancer therapy. Drug Discovery Today, 2015, 20, 635-643.	3.2	74
20	Mitochondrial Stress Response and Cancer. Trends in Cancer, 2020, 6, 688-701.	3.8	70
21	Bim, a Proapoptotic Protein, Up-regulated via Transcription Factor E2F1-dependent Mechanism, Functions as a Prosurvival Molecule in Cancer. Journal of Biological Chemistry, 2013, 288, 368-381.	1.6	68
22	Mitochondrially Localized Active Caspase-9 and Caspase-3 Result Mostly from Translocation from the Cytosol and Partly from Caspase-mediated Activation in the Organelle. Journal of Biological Chemistry, 2003, 278, 17408-17420.	1.6	67
23	Mitochondrial DNA mutations and breast tumorigenesis. Biochimica Et Biophysica Acta: Reviews on Cancer, 2013, 1836, 336-344.	3.3	65
24	Neem components as potential agents for cancer prevention and treatment. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 247-257.	3.3	65
25	Subcellular Localization and Tumor-suppressive Functions of 15-Lipoxygenase 2 (15-LOX2) and Its Splice Variants. Journal of Biological Chemistry, 2003, 278, 25091-25100.	1.6	61
26	Curcumin induces Apaf-1-dependent, p21-mediated caspase activation and apoptosis. Cell Cycle, 2011, 10, 4128-4137.	1.3	61
27	Neem oil limonoids induces p53-independent apoptosis and autophagy. Carcinogenesis, 2012, 33, 2199-2207.	1.3	49
28	Identification and characterization of Bimgamma, a novel proapoptotic BH3-only splice variant of Bim. Cancer Research, 2002, 62, 2976-81.	0.4	49
29	Important Role of Menarche in Development of Estrogen Receptorâ€“Negative Breast Cancer in African American Women. Journal of the National Cancer Institute, 2015, 107, .	3.0	47
30	A potential role of X-linked inhibitor of apoptosis protein in mitochondrial membrane permeabilization and its implication in cancer therapy. Drug Discovery Today, 2016, 21, 38-47.	3.2	47
31	Reduced Mitochondrial DNA Content Associates with Poor Prognosis of Prostate Cancer in African American Men. PLoS ONE, 2013, 8, e74688.	1.1	45
32	Lipid quantification by Raman microspectroscopy as a potential biomarker in prostate cancer. Cancer Letters, 2017, 397, 52-60.	3.2	37
33	Resveratrol depletes mitochondrial DNA and inhibition of autophagy enhances resveratrol-induced caspase activation. Mitochondrion, 2013, 13, 493-499.	1.6	35
34	Mitochondrial and postmitochondrial survival signaling in cancer. Mitochondrion, 2014, 16, 18-25.	1.6	35
35	Hsp60 and IL-8 axis promotes apoptosis resistance in cancer. British Journal of Cancer, 2019, 121, 934-943.	2.9	31
36	Modulation of radioresponse of glyoxalase system by curcumin. Journal of Ethnopharmacology, 1998, 64, 1-7.	2.0	27

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37	Evidence that Sp1 positively and Sp3 negatively regulate and androgen does not directly regulate functional tumor suppressor 15-lipoxygenase 2 (15-LOX2) gene expression in normal human prostate epithelial cells. Oncogene, 2004, 23, 6942-6953.	2.6	27
38	Androgen Receptor Mutations and Polymorphisms in African American Prostate Cancer. International Journal of Biological Sciences, 2014, 10, 643-651.	2.6	27
39	Transformations of the macromolecular landscape at mitochondria during DNA-damage-induced apoptotic cell death. Cell Death and Disease, 2014, 5, e1453-e1453.	2.7	27
40	Mitochondrial dysfunction-mediated apoptosis resistance associates with defective heat shock protein response in Africanâ€“American men with prostate cancer. British Journal of Cancer, 2016, 114, 1090-1100.	2.9	27
41	Small-Molecule MMRi62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53. Molecular Cancer Therapeutics, 2022, 21, 535-545.	1.9	27
42	Nimbolide reduces CD44 positive cell population and induces mitochondrial apoptosis in pancreatic cancer cells. Cancer Letters, 2018, 413, 82-93.	3.2	23
43	Molecular insights on cytochrome c and nucleotide regulation of apoptosome function and its implication in cancer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118573.	1.9	23
44	Modulation of glyoxalase, glutathione S-transferase and antioxidant enzymes in the liver, spleen and erythrocytes of mice by dietary administration of fenugreek seeds. Food and Chemical Toxicology, 2001, 39, 989-997.	1.8	22
45	Cytochrome c Deficiency Confers Apoptosome and Mitochondrial Dysfunction in African-American Men with Prostate Cancer. Cancer Research, 2019, 79, 1353-1368.	0.4	22
46	A mitochondrial unfolded protein response inhibitor suppresses prostate cancer growth in mice via HSP60. Journal of Clinical Investigation, 2022, 132, .	3.9	21
47	Mechanism of neem limonoids-induced cell death in cancer: Role of oxidative phosphorylation. Free Radical Biology and Medicine, 2016, 90, 261-271.	1.3	13
48	Detection of Apoptosis in Cell-Free Systems. Methods in Molecular Biology, 2009, 559, 65-75.	0.4	12
49	Influence of gamma -rays on the mouse liver cytochrome P450 system and its modulation by phenothiazine drugs. International Journal of Radiation Biology, 1999, 75, 335-349.	1.0	11
50	Nanog1 in NTERA-2 and Recombinant NanogP8 from Somatic Cancer Cells Adopt Multiple Protein Conformations and Migrate at Multiple M.W Species. PLoS ONE, 2014, 9, e90615.	1.1	11
51	A Single-Organelle Optical Omics Platform for Cell Science and Biomarker Discovery. Analytical Chemistry, 2021, 93, 8281-8290.	3.2	11
52	Defective Molecular Timer in the Absence of Nucleotides Leads to Inefficient Caspase Activation. PLoS ONE, 2011, 6, e16379.	1.1	11
53	Combination therapy induces unfolded protein response andÂcytoskeletal rearrangement leading to mitochondrial apoptosis in prostate cancer. Molecular Oncology, 2016, 10, 949-965.	2.1	9
54	Mitochondrial dysfunction and prostate cancer racial disparities among American men. Frontiers in Bioscience - Scholar, 2017, 9, 154-164.	0.8	9

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55	Targeting the mitochondrial unfolded protein response in cancer: opportunities and challenges. Trends in Cancer, 2021, 7, 1050-1053.	3.8	7
56	Investigation of prostate cancer cells using NADH and Tryptophan as biomarker: multiphoton FLIM-FRET microscopy. , 2016, , .		3
57	Effect of Dietary Resveratrol in the Treatment of Cancer. Evidence-based Anticancer Complementary and Alternative Medicine, 2013, , 1-22.	0.1	2
58	Cell survival signaling during apoptosis: Implications in drug resistance and anti-cancer therapeutic development. , 2005, 63, 115-145.		1
59	Assessing Oligomerization Status of Mitochondrial OXPHOS Complexes Via Blue Native Page. Methods in Molecular Biology, 2022, 2413, 55-62.	0.4	1
60	Effects of anti-cancer drug doxorubicin on endogenous biomarkers NAD(P)H, FAD and Trp in prostate cancer cells: a FLIM Study. Proceedings of SPIE, 2017, , .	0.8	0
61	Targeting Cellular Signaling for Cancer Prevention and Therapy by Phytochemicals. , 2013, , 219-243.		0
62	HSP60 IS A NOVEL TARGET IN LETHAL PROSTATE CANCER. FASEB Journal, 2018, 32, 804.29.	0.2	0