Dhyan Chandra

List of Publications by Citations

60 papers	7,280 citations	31 h-index	63 g-index
63 ext. papers	8,188 ext. citations	7.5 avg, IF	4.93 L-index

#	Paper	IF	Citations
60	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
59	Highly purified CD44+ prostate cancer cells from xenograft human tumors are enriched in tumorigenic and metastatic progenitor cells. *Oncogene*, **2006**, 25, 1696-708	9.2	823
58	Functional evidence that the self-renewal gene NANOG regulates human tumor development. *Stem Cells*, **2009**, 27, 993-1005	5.8	269
57	Cytosolic accumulation of HSP60 during apoptosis with or without apparent mitochondrial release: evidence that its pro-apoptotic or pro-survival functions involve differential interactions with caspase-3. *Journal of Biological Chemistry*, **2007**, 282, 31289-301	5.4	173
56	Early mitochondrial activation and cytochrome c up-regulation during apoptosis. *Journal of Biological Chemistry*, **2002**, 277, 50842-54	5.4	155
55	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, 6592-607	4.8	129
54	Receptor-interacting protein 140 directly recruits histone deacetylases for gene silencing. *Journal of Biological Chemistry*, **2000**, 275, 40782-7	5.4	119
53	Genetic insights into OXPHOS defect and its role in cancer. *Biochimica Et Biophysica Acta - Bioenergetics*, **2011**, 1807, 620-5	4.6	107
52	Intracellular nucleotides act as critical prosurvival factors by binding to cytochrome C and inhibiting apoptosome. *Cell*, **2006**, 125, 1333-46	56.2	99
51	Evidence that arachidonate 15-lipoxygenase 2 is a negative cell cycle regulator in normal prostate epithelial cells. *Journal of Biological Chemistry*, **2002**, 277, 16189-201	5.4	90
50	Induction of prosurvival molecules by apoptotic stimuli: involvement of FOXO3a and ROS. *Oncogene*, **2005**, 24, 2020-31	9.2	83
49	Bax-dependent regulation of Bak by voltage-dependent anion channel 2. *Journal of Biological Chemistry*, **2005**, 280, 19051-61	5.4	76
48	Influence of methylglyoxal on antioxidant enzymes and oxidative damage. *Toxicology Letters*, **1997**, 93, 141-52	4.4	75
47	Oxidative phosphorylation-dependent regulation of cancer cell apoptosis in response to anticancer agents. *Cell Death and Disease*, **2015**, 6, e1969	9.8	73
46	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	5.4	66
45	Restoration of mitochondria function as a target for cancer therapy. *Drug Discovery Today*, **2015**, 20, 635-43	8.8	60
44	Endoplasmic reticulum-mediated unfolded protein response and mitochondrial apoptosis in cancer. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2017**, 1867, 58-66	11.2	59

43	Mitochondrially localized active caspase-9 and caspase-3 result mostly from translocation from the cytosol and partly from caspase-mediated activation in the organelle. Lack of evidence for Apaf-1-mediated procaspase-9 activation in the mitochondria. *Journal of Biological Chemistry*, **2003**, 278, 17408-20	5.4	57
42	Radiation induced oxidative stress: II studies in liver as a distant organ of tumor bearing mice. *Molecular and Cellular Biochemistry*, **2001**, 224, 9-17	4.2	56
41	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, 368-81	5.4	55
40	Curcumin induces Apaf-1-dependent, p21-mediated caspase activation and apoptosis. *Cell Cycle*, **2011**, 10, 4128-37	4.7	55
39	Investigation of Mitochondrial Metabolic Response to Doxorubicin in Prostate Cancer Cells: An NADH, FAD and Tryptophan FLIM Assay. *Scientific Reports*, **2017**, 7, 10451	4.9	54
38	Subcellular localization and tumor-suppressive functions of 15-lipoxygenase 2 (15-LOX2) and its splice variants. *Journal of Biological Chemistry*, **2003**, 278, 25091-100	5.4	51
37	Neem components as potential agents for cancer prevention and treatment. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2014**, 1846, 247-57	11.2	43
36	Identification and characterization of Bimgamma, a novel proapoptotic BH3-only splice variant of Bim. *Cancer Research*, **2002**, 62, 2976-81	10.1	43
35	Mitochondrial DNA mutations and breast tumorigenesis. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2013**, 1836, 336-44	11.2	42
34	Neem oil limonoids induces p53-independent apoptosis and autophagy. *Carcinogenesis*, **2012**, 33, 2199-207	4.6	40
33	Important Role of Menarche in Development of Estrogen Receptor-Negative Breast Cancer in African American Women. *Journal of the National Cancer Institute*, **2015**, 107,	9.7	38
32	Reduced mitochondrial DNA content associates with poor prognosis of prostate cancer in African American men. *PLoS ONE*, **2013**, 8, e74688	3.7	36
31	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	8.8	35
30	Mitochondrial and postmitochondrial survival signaling in cancer. *Mitochondrion*, **2014**, 16, 18-25	4.9	35
29	Lipid quantification by Raman microspectroscopy as a potential biomarker in prostate cancer. *Cancer Letters*, **2017**, 397, 52-60	9.9	31
28	Resveratrol depletes mitochondrial DNA and inhibition of autophagy enhances resveratrol-induced caspase activation. *Mitochondrion*, **2013**, 13, 493-9	4.9	29
27	Transformations of the macromolecular landscape at mitochondria during DNA-damage-induced apoptotic cell death. *Cell Death and Disease*, **2014**, 5, e1453	9.8	26
26	Mitochondrial Stress Response and Cancer. *Trends in Cancer*, **2020**, 6, 688-701	12.5	25

25	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, 6942-53	9.2	24
24	Modulation of radioresponse of glyoxalase system by curcumin. *Journal of Ethnopharmacology*, **1999**, 64, 1-7	5	23
23	Mitochondrial dysfunction-mediated apoptosis resistance associates with defective heat shock protein response in African-American men with prostate cancer. *British Journal of Cancer*, **2016**, 114, 1090-100	8.7	22
22	Androgen receptor mutations and polymorphisms in African American prostate cancer. *International Journal of Biological Sciences*, **2014**, 10, 643-51	11.2	20
21	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, 989-97	4.7	19
20	Nimbolide reduces CD44 positive cell population and induces mitochondrial apoptosis in pancreatic cancer cells. *Cancer Letters*, **2018**, 413, 82-93	9.9	18
19	Hsp60 and IL-8 axis promotes apoptosis resistance in cancer. *British Journal of Cancer*, **2019**, 121, 934-948	8.7	14
18	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	4.9	12
17	Mechanism of neem limonoids-induced cell death in cancer: Role of oxidative phosphorylation. *Free Radical Biology and Medicine*, **2016**, 90, 261-71	7.8	11
16	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	3.7	10
15	Detection of apoptosis in cell-free systems. *Methods in Molecular Biology*, **2009**, 559, 65-75	1.4	10
14	Defective molecular timer in the absence of nucleotides leads to inefficient caspase activation. *PLoS ONE*, **2011**, 6, e16379	3.7	10
13	Cytochrome Deficiency Confers Apoptosome and Mitochondrial Dysfunction in African-American Men with Prostate Cancer. *Cancer Research*, **2019**, 79, 1353-1368	10.1	8
12	Combination therapy induces unfolded protein response and cytoskeletal rearrangement leading to mitochondrial apoptosis in prostate cancer. *Molecular Oncology*, **2016**, 10, 949-65	7.9	8
11	Influence of gamma-rays on the mouse liver cytochrome P450 system and its modulation by phenothiazine drugs. *International Journal of Radiation Biology*, **1999**, 75, 335-49	2.9	7
10	Mitochondrial dysfunction and prostate cancer racial disparities among American men. *Frontiers in Bioscience - Scholar*, **2017**, 9, 154-164	2.4	5
9	Investigation of prostate cancer cells using NADH and Tryptophan as biomarker: multiphoton FLIM-FRET microscopy **2016**,		3
8	A Single-Organelle Optical Omics Platform for Cell Science and Biomarker Discovery. *Analytical Chemistry*, **2021**, 93, 8281-8290	7.8	3

List of Publications

7	Effect of Dietary Resveratrol in the Treatment of Cancer. *Evidence-based Anticancer Complementary and Alternative Medicine*, **2013**, 1-22		2
6	Small Molecule MMRi62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53.. *Molecular Cancer Therapeutics*, **2022**,	6.1	1
5	Targeting the mitochondrial unfolded protein response in cancer: opportunities and challenges. *Trends in Cancer*, **2021**, 7, 1050-1053	12.5	1
4	Cell survival signaling during apoptosis: implications in drug resistance and anti-cancer therapeutic development. *Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques*, **2005**, 63, 115-45		1
3	Assessing Oligomerization Status of Mitochondrial OXPHOS Complexes Via Blue Native Page.. *Methods in Molecular Biology*, **2022**, 2413, 55-62	1.4	0
2	HSP60 IS A NOVEL TARGET IN LETHAL PROSTATE CANCER. *FASEB Journal*, **2018**, 32, 804.29	0.9	
1	Targeting Cellular Signaling for Cancer Prevention and Therapy by Phytochemicals **2013**, 219-243		