

Dhyan Chandra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Assessing Oligomerization Status of Mitochondrial OXPHOS Complexes Via Blue Native Page.. <i>Methods in Molecular Biology</i> , 2022 , 2413, 55-62	1.4	0
59	Small Molecule MMRI62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53.. <i>Molecular Cancer Therapeutics</i> , 2022 ,	6.1	1
58	A Single-Organelle Optical Omics Platform for Cell Science and Biomarker Discovery. <i>Analytical Chemistry</i> , 2021 , 93, 8281-8290	7.8	3
57	Targeting the mitochondrial unfolded protein response in cancer: opportunities and challenges. <i>Trends in Cancer</i> , 2021 , 7, 1050-1053	12.5	1
56	Mitochondrial Stress Response and Cancer. <i>Trends in Cancer</i> , 2020 , 6, 688-701	12.5	25
55	Molecular insights on cytochrome c and nucleotide regulation of apoptosome function and its implication in cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118573	4.9	12
54	Cytochrome Deficiency Confers Apoptosome and Mitochondrial Dysfunction in African-American Men with Prostate Cancer. <i>Cancer Research</i> , 2019 , 79, 1353-1368	10.1	8
53	Hsp60 and IL-8 axis promotes apoptosis resistance in cancer. <i>British Journal of Cancer</i> , 2019 , 121, 934-948.	8.7	14
52	Nimbolide reduces CD44 positive cell population and induces mitochondrial apoptosis in pancreatic cancer cells. <i>Cancer Letters</i> , 2018 , 413, 82-93	9.9	18
51	HSP60 IS A NOVEL TARGET IN LETHAL PROSTATE CANCER. <i>FASEB Journal</i> , 2018 , 32, 804.29	0.9	
50	Lipid quantification by Raman microspectroscopy as a potential biomarker in prostate cancer. <i>Cancer Letters</i> , 2017 , 397, 52-60	9.9	31
49	Endoplasmic reticulum-mediated unfolded protein response and mitochondrial apoptosis in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1867, 58-66	11.2	59
48	Mitochondrial dysfunction and prostate cancer racial disparities among American men. <i>Frontiers in Bioscience - Scholar</i> , 2017 , 9, 154-164	2.4	5
47	Investigation of Mitochondrial Metabolic Response to Doxorubicin in Prostate Cancer Cells: An NADH, FAD and Tryptophan FLIM Assay. <i>Scientific Reports</i> , 2017 , 7, 10451	4.9	54
46	A potential role of X-linked inhibitor of apoptosis protein in mitochondrial membrane permeabilization and its implication in cancer therapy. <i>Drug Discovery Today</i> , 2016 , 21, 38-47	8.8	35
45	Investigation of prostate cancer cells using NADH and Tryptophan as biomarker: multiphoton FLIM-FRET microscopy 2016 ,		3
44	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838

43	Mechanism of neem limonoids-induced cell death in cancer: Role of oxidative phosphorylation. <i>Free Radical Biology and Medicine</i> , 2016 , 90, 261-71	7.8	11
42	Combination therapy induces unfolded protein response and cytoskeletal rearrangement leading to mitochondrial apoptosis in prostate cancer. <i>Molecular Oncology</i> , 2016 , 10, 949-65	7.9	8
41	Mitochondrial dysfunction-mediated apoptosis resistance associates with defective heat shock protein response in African-American men with prostate cancer. <i>British Journal of Cancer</i> , 2016 , 114, 1090-100	8.7	22
40	Restoration of mitochondria function as a target for cancer therapy. <i>Drug Discovery Today</i> , 2015 , 20, 635-43	8.8	60
39	Oxidative phosphorylation-dependent regulation of cancer cell apoptosis in response to anticancer agents. <i>Cell Death and Disease</i> , 2015 , 6, e1969	9.8	73
38	Important Role of Menarche in Development of Estrogen Receptor-Negative Breast Cancer in African American Women. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	38
37	Mitochondrial and postmitochondrial survival signaling in cancer. <i>Mitochondrion</i> , 2014 , 16, 18-25	4.9	35
36	Neem components as potential agents for cancer prevention and treatment. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014 , 1846, 247-57	11.2	43
35	Nanog1 in NTERA-2 and recombinant NanogP8 from somatic cancer cells adopt multiple protein conformations and migrate at multiple M.W species. <i>PLoS ONE</i> , 2014 , 9, e90615	3.7	10
34	Androgen receptor mutations and polymorphisms in African American prostate cancer. <i>International Journal of Biological Sciences</i> , 2014 , 10, 643-51	11.2	20
33	Transformations of the macromolecular landscape at mitochondria during DNA-damage-induced apoptotic cell death. <i>Cell Death and Disease</i> , 2014 , 5, e1453	9.8	26
32	Mitochondrial DNA mutations and breast tumorigenesis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2013 , 1836, 336-44	11.2	42
31	Bim, a proapoptotic protein, up-regulated via transcription factor E2F1-dependent mechanism, functions as a prosurvival molecule in cancer. <i>Journal of Biological Chemistry</i> , 2013 , 288, 368-81	5.4	55
30	Resveratrol depletes mitochondrial DNA and inhibition of autophagy enhances resveratrol-induced caspase activation. <i>Mitochondrion</i> , 2013 , 13, 493-9	4.9	29
29	Effect of Dietary Resveratrol in the Treatment of Cancer. <i>Evidence-based Anticancer Complementary and Alternative Medicine</i> , 2013 , 1-22		2
28	Reduced mitochondrial DNA content associates with poor prognosis of prostate cancer in African American men. <i>PLoS ONE</i> , 2013 , 8, e74688	3.7	36
27	Targeting Cellular Signaling for Cancer Prevention and Therapy by Phytochemicals 2013 , 219-243		
26	Neem oil limonoids induces p53-independent apoptosis and autophagy. <i>Carcinogenesis</i> , 2012 , 33, 2199-207		40

25	Genetic insights into OXPHOS defect and its role in cancer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 620-5	4.6	107
24	Curcumin induces Apaf-1-dependent, p21-mediated caspase activation and apoptosis. <i>Cell Cycle</i> , 2011 , 10, 4128-37	4.7	55
23	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. <i>Journal of Biological Chemistry</i> , 2011 , 286, 28749-28760	5.4	66
22	Defective molecular timer in the absence of nucleotides leads to inefficient caspase activation. <i>PLoS ONE</i> , 2011 , 6, e16379	3.7	10
21	Functional evidence that the self-renewal gene NANOG regulates human tumor development. <i>Stem Cells</i> , 2009 , 27, 993-1005	5.8	269
20	Detection of apoptosis in cell-free systems. <i>Methods in Molecular Biology</i> , 2009 , 559, 65-75	1.4	10
19	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. <i>Journal of Biological Chemistry</i> , 2007 , 282, 31289-301	5.4	173
18	Intracellular nucleotides act as critical prosurvival factors by binding to cytochrome C and inhibiting apoptosome. <i>Cell</i> , 2006 , 125, 1333-46	56.2	99
17	Highly purified CD44+ prostate cancer cells from xenograft human tumors are enriched in tumorigenic and metastatic progenitor cells. <i>Oncogene</i> , 2006 , 25, 1696-708	9.2	823
16	Induction of prosurvival molecules by apoptotic stimuli: involvement of FOXO3a and ROS. <i>Oncogene</i> , 2005 , 24, 2020-31	9.2	83
15	Bax-dependent regulation of Bak by voltage-dependent anion channel 2. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19051-61	5.4	76
14	Cell survival signaling during apoptosis: implications in drug resistance and anti-cancer therapeutic development. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2005 , 63, 115-45		1
13	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. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6592-607	4.8	129
12	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. <i>Oncogene</i> , 2004 , 23, 6942-53	9.2	24
11	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. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17408-20	5.4	57
10	Subcellular localization and tumor-suppressive functions of 15-lipoxygenase 2 (15-LOX2) and its splice variants. <i>Journal of Biological Chemistry</i> , 2003 , 278, 25091-100	5.4	51
9	Evidence that arachidonate 15-lipoxygenase 2 is a negative cell cycle regulator in normal prostate epithelial cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 16189-201	5.4	90
8	Early mitochondrial activation and cytochrome c up-regulation during apoptosis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 50842-54	5.4	155

7	Identification and characterization of Bimgamma, a novel proapoptotic BH3-only splice variant of Bim. <i>Cancer Research</i> , 2002 , 62, 2976-81	10.1	43
6	Radiation induced oxidative stress: II studies in liver as a distant organ of tumor bearing mice. <i>Molecular and Cellular Biochemistry</i> , 2001 , 224, 9-17	4.2	56
5	Modulation of glyoxalase, glutathione S-transferase and antioxidant enzymes in the liver, spleen and erythrocytes of mice by dietary administration of fenugreek seeds. <i>Food and Chemical Toxicology</i> , 2001 , 39, 989-97	4.7	19
4	Receptor-interacting protein 140 directly recruits histone deacetylases for gene silencing. <i>Journal of Biological Chemistry</i> , 2000 , 275, 40782-7	5.4	119
3	Modulation of radioresponse of glyoxalase system by curcumin. <i>Journal of Ethnopharmacology</i> , 1999 , 64, 1-7	5	23
2	Influence of gamma-rays on the mouse liver cytochrome P450 system and its modulation by phenothiazine drugs. <i>International Journal of Radiation Biology</i> , 1999 , 75, 335-49	2.9	7
1	Influence of methylglyoxal on antioxidant enzymes and oxidative damage. <i>Toxicology Letters</i> , 1997 , 93, 141-52	4.4	75