Rahul Kumar

List of Publications by Year
in descending order

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45 papers	1,312 citations	331670 21 h-index	361022 35 g-index
47 all docs	47 docs citations	47 times ranked	2151 citing authors

#	Article	IF	Citations
1	Endoplasmic reticulum-mediated unfolded protein response and mitochondrial apoptosis in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1867, 58-66.	7.4	95
2	Hypoxia induces triglycerides accumulation in prostate cancer cells and extracellular vesicles supporting growth and invasiveness following reoxygenation. Oncotarget, 2015, 6, 22836-22856.	1.8	85
3	Pyramiding of two bacterial blight resistance and a semidwarfing gene in Type 3 Basmati using marker-assisted selection. Euphytica, 2011, 178, 111-126.	1.2	83
4	Patulin causes DNA damage leading to cell cycle arrest and apoptosis through modulation of Bax, p53 and p21/WAF1 proteins in skin of mice. Toxicology and Applied Pharmacology, 2009, 234, 192-201.	2.8	75
5	Mitochondrial Stress Response and Cancer. Trends in Cancer, 2020, 6, 688-701.	7.4	70
6	Citrinin-Generated Reactive Oxygen Species Cause Cell Cycle Arrest Leading to Apoptosis via the Intrinsic Mitochondrial Pathway in Mouse Skin. Toxicological Sciences, 2011, 122, 557-566.	3.1	68
7	Influence of nitrogen on the expression of TaDof1 transcription factor in wheat and its relationship with photo synthetic and ammonium assimilating efficiency. Molecular Biology Reports, 2009, 36, 2209-2220.	2.3	54
8	Slow-cycling (dormant) cancer cells in therapy resistance, cancer relapse and metastasis. Seminars in Cancer Biology, 2022, 78, 90-103.	9.6	53
9	An Overview of Ultraviolet B Radiation-Induced Skin Cancer Chemoprevention by Silibinin. Current Pharmacology Reports, 2015, 1, 206-215.	3.0	49
10	Silibinin inhibits hypoxiaâ€induced HIFâ€1Î±â€mediated signaling, angiogenesis and lipogenesis in prostate cancer cells: In vitro evidence and in vivo functional imaging and metabolomics. Molecular Carcinogenesis, 2017, 56, 833-848.	2.7	49
11	Role of mitogen activated protein kinases in skin tumorigenicity of Patulin. Toxicology and Applied Pharmacology, 2011, 257, 264-271.	2.8	46
12	Graviola inhibits hypoxia-induced NADPH oxidase activity in prostate cancer cells reducing their proliferation and clonogenicity. Scientific Reports, 2016, 6, 23135.	3.3	42
13	Topical Application of Ochratoxin A Causes DNA Damage and Tumor Initiation in Mouse Skin. PLoS ONE, 2012, 7, e47280.	2.5	42
14	Lipid quantification by Raman microspectroscopy as a potential biomarker in prostate cancer. Cancer Letters, 2017, 397, 52-60.	7.2	37
15	Hsp60 and IL-8 axis promotes apoptosis resistance in cancer. British Journal of Cancer, 2019, 121, 934-943.	6.4	31
16	Ochratoxin A-induced cell proliferation and tumor promotion in mouse skin by activating the expression of cyclin-D1 and cyclooxygenase-2 through nuclear factor-kappa B and activator protein-1. Carcinogenesis, 2013, 34, 647-657.	2.8	29
17	Phylogenetic and chemical diversity of fungal endophytes isolated fromSilybum marianum(L) Gaertn. (milk thistle). Mycology, 2015, 6, 8-27.	4.4	29
18	Nexrutine(R) inhibits tumorigenesis in mouse skin and induces apoptotic cell death in human squamous carcinoma A431 and human melanoma A375 cells. Carcinogenesis, 2012, 33, 1909-1918.	2.8	28

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19	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.	6.4	27
20	Detection of Ochratoxin A in wheat samples in different regions of India. Food Control, 2012, 26, 63-67.	5.5	24
21	Nimbolide reduces CD44 positive cell population and induces mitochondrial apoptosis in pancreatic cancer cells. Cancer Letters, 2018, 413, 82-93.	7.2	23
22	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.	4.1	23
23	Procyanidin B2 3,3â€³â€diâ€Oâ€gallate induces oxidative stressâ€mediated cell death in prostate cancer cells via inhibiting MAP kinase phosphatase activity and activating ERK1/2 and AMPK. Molecular Carcinogenesis, 2018, 57, 57-69.	2.7	22
24	Cytochrome c Deficiency Confers Apoptosome and Mitochondrial Dysfunction in African-American Men with Prostate Cancer. Cancer Research, 2019, 79, 1353-1368.	0.9	22
25	A mitochondrial unfolded protein response inhibitor suppresses prostate cancer growth in mice via HSP60. Journal of Clinical Investigation, 2022, 132, .	8.2	21
26	EGFRâ€mediated Akt and MAPKs signal pathways play a crucial role in patulinâ€induced cell proliferation in primary murine keratinocytes via modulation of Cyclin D1 and COXâ€2 expression. Molecular Carcinogenesis, 2014, 53, 988-998.	2.7	20
27	Characterization and molecular mapping of EMS-induced brittle culm mutants of diploid wheat (Triticum monococcum L.). Euphytica, 2012, 186, 165-176.	1.2	18
28	Evaluation of end use quality and root traits in wheat cultivars associated with 1RS.1BL translocation. Euphytica, 2018, 214, 1.	1.2	17
29	LRIG1, a regulator of stem cell quiescence and a pleiotropic feedback tumor suppressor. Seminars in Cancer Biology, 2022, 82, 120-133.	9.6	14
30	Mechanism of neem limonoids-induced cell death in cancer: Role of oxidative phosphorylation. Free Radical Biology and Medicine, 2016, 90, 261-271.	2.9	13
31	Mechanistic and therapeutic role of Drp1 in the pathogenesis of Alzheimer's disease. European Journal of Neuroscience, 2022, 56, 5516-5531.	2.6	13
32	Nexrutine inhibits azoxymethaneâ€induced colonic aberrant crypt formation in rat colon and induced apoptotic cell death in colon adenocarcinoma cells. Molecular Carcinogenesis, 2016, 55, 1262-1274.	2.7	12
33	Uptake, distribution, and remobilization of iron and zinc among various tissues of wheatâ€“Aegilops substitution lines at different growth stages. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	11
34	A Single-Organelle Optical Omics Platform for Cell Science and Biomarker Discovery. Analytical Chemistry, 2021, 93, 8281-8290.	6.5	11
35	Evidence for context-dependent functions of KDM5B in prostate development and prostate cancer. Oncotarget, 2020, 11, 4243-4252.	1.8	10
36	Combination therapy induces unfolded protein response andÂcytoskeletal rearrangement leading to mitochondrial apoptosis in prostate cancer. Molecular Oncology, 2016, 10, 949-965.	4.6	9

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37	Mitochondrial dysfunction and prostate cancer racial disparities among American men. Frontiers in Bioscience - Scholar, 2017, 9, 154-164.	2.1	9
38	Mechanistic and therapeutic implications of EphAâ€4 receptor tyrosine kinase in the pathogenesis of Alzheimer's disease. European Journal of Neuroscience, 2022, 56, 5532-5546.	2.6	8
39	Development of intron targeted amplified polymorphic markers of metal homeostasis genes for monitoring their introgression from Aegilops species to wheat. Molecular Breeding, 2018, 38, 1.	2.1	7
40	Targeting the mitochondrial unfolded protein response in cancer: opportunities and challenges. Trends in Cancer, 2021, 7, 1050-1053.	7.4	7
41	Understanding nucleosomal histone and DNA interactions: a biophysical study. Journal of Biomolecular Structure and Dynamics, 2017, 35, 2531-2538.	3.5	2
42	Role of prolineâ€rich tyrosine kinase 2 (Pyk2) in the pathogenesis of Alzheimer's disease. European Journal of Neuroscience, 2022, 56, 5442-5452.	2.6	2
43	Mitochondrial Regulation of Inflammation in Cancer. Physiology in Health and Disease, 2021, , 377-393.	0.3	0
44	HSP60 IS A NOVEL TARGET IN LETHAL PROSTATE CANCER. FASEB Journal, 2018, 32, 804.29.	0.5	0
45	Editorial: Early Detection and Diagnosis of Cancer. Frontiers in Genetics, 2022, 13, 875421.	2.3	0