

Chanakya Nath Kundu

List of Publications by Year in descending order

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75
papers

4,392
citations

136950

32
h-index

118850

62
g-index

81
all docs

81
docs citations

81
times ranked

5613
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10
2	N-Fused Imidazoles As Novel Anticancer Agents That Inhibit Catalytic Activity of Topoisomerase III α and Induce Apoptosis in G1/S Phase. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5013-5030.	6.4	248
3	5-Fluorouracil (5-FU) resistance and the new strategy to enhance the sensitivity against cancer: Implication of DNA repair inhibition. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111285.	5.6	204
4	Quinacrine has anticancer activity in breast cancer cells through inhibition of topoisomerase activity. <i>International Journal of Cancer</i> , 2012, 130, 1660-1670.	5.1	130
5	Negative Regulation of Mixed Lineage Kinase 3 by Protein Kinase B/AKT Leads to Cell Survival. <i>Journal of Biological Chemistry</i> , 2003, 278, 3897-3902.	3.4	123
6	Silver-based nanoparticles induce apoptosis in human colon cancer cells mediated through p53. <i>Nanomedicine</i> , 2013, 8, 1307-1322.	3.3	119
7	Therapeutic prospective of plant-induced silver nanoparticles: application as antimicrobial and anticancer agent. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 38-51.	2.8	97
8	Activation of the Drosophila MLK by Ceramide Reveals TNF α and Ceramide as Agonists of Mammalian MLK3. <i>Molecular Cell</i> , 2002, 10, 1527-1533.	9.7	89
9	Quinacrine-Mediated Autophagy and Apoptosis in Colon Cancer Cells Is Through a p53- and p21-Dependent Mechanism. <i>Oncology Research</i> , 2012, 20, 81-91.	1.5	89
10	Switch in Site of Inhibition: A Strategy for Structure-Based Discovery of Human Topoisomerase III α Catalytic Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 481-485.	2.8	84
11	Lycopene synergistically enhances quinacrine action to inhibit Wnt-TCF signaling in breast cancer cells through APC. <i>Carcinogenesis</i> , 2013, 34, 277-286.	2.8	74
12	Nectin-4 is a breast cancer stem cell marker that induces WNT/ β -catenin signaling via Pi3k/Akt axis. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 89, 85-94.	2.8	68
13	Enhancement of Cytotoxicity and Inhibition of Angiogenesis in Oral Cancer Stem Cells by a Hybrid Nanoparticle of Bioactive Quinacrine and Silver: Implication of Base Excision Repair Cascade. <i>Molecular Pharmaceutics</i> , 2015, 12, 4011-4025.	4.6	51
14	Nano formulated Resveratrol inhibits metastasis and angiogenesis by reducing inflammatory cytokines in oral cancer cells by targeting tumor associated macrophages. <i>Journal of Nutritional Biochemistry</i> , 2021, 92, 108624.	4.2	51
15	5-Fluorouracil Increases the Chemopreventive Potentials of Resveratrol Through DNA Damage and MAPK Signaling Pathway in Human Colorectal Cancer Cells. <i>Oncology Research</i> , 2011, 19, 311-321.	1.5	50
16	Pentacyclic Triterpenoids Inhibit IKK β Mediated Activation of NF- κ B Pathway: In Silico and In Vitro Evidences. <i>PLoS ONE</i> , 2015, 10, e0125709.	2.5	50
17	Scaffold hybridization in generation of indenoindolones as anticancer agents that induce apoptosis with cell cycle arrest at G2/M phase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2474-2479.	2.2	45
18	Metallic gold and bioactive quinacrine hybrid nanoparticles inhibit oral cancer stem cell and angiogenesis by deregulating inflammatory cytokines in p53 dependent manner. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 883-896.	3.3	45

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19	Combretastatin A-4 inspired novel 2-aryl-3-arylamino-imidazo-pyridines/pyrazines as tubulin polymerization inhibitors, antimetabolic and anticancer agents. <i>MedChemComm</i> , 2014, 5, 766-782.	3.4	44
20	Synthesis and biological evaluation of andrographolide analogues as anti-cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 95-106.	5.5	44
21	Cigarette smoke condensate-induced level of adenomatous polyposis coli blocks long-patch base excision repair in breast epithelial cells. <i>Oncogene</i> , 2007, 26, 1428-1438.	5.9	41
22	5-Fluorouracil mediated anti-cancer activity in colon cancer cells is through the induction of Adenomatous Polyposis Coli: Implication of the long-patch base excision repair pathway. <i>DNA Repair</i> , 2014, 24, 15-25.	2.8	39
23	NECTIN-4 increased the 5-FU resistance in colon cancer cells by inducing the PI3K/AKT cascade. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 471-479.	2.3	39
24	Chitosan-Dextran sulfate coated doxorubicin loaded PLGA-PVA-nanoparticles caused apoptosis in doxorubicin resistance breast cancer cells through induction of DNA damage. <i>Scientific Reports</i> , 2017, 7, 2143.	3.3	38
25	Clinical significance of a pvr1 4 encoded gene Nectin-4 in metastasis and angiogenesis for tumor relapse. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 245-259.	2.5	38
26	Resveratrol and curcumin synergistically induces apoptosis in cigarette smoke condensate transformed breast epithelial cells through a p21Waf1/Cip1 mediated inhibition of Hh-Gli signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 66, 75-84.	2.8	37
27	SURVIVIN as a marker for quiescent-breast cancer stem cells: An intermediate, adherent, pre-requisite phase of breast cancer metastasis. <i>Clinical and Experimental Metastasis</i> , 2016, 33, 661-675.	3.3	37
28	The soluble nectin-4 ecto-domain promotes breast cancer induced angiogenesis via endothelial Integrin- α 24. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 102, 151-160.	2.8	37
29	Scaffold-hopping of bioactive flavonoids: Discovery of aryl-pyridopyrimidinones as potent anticancer agents that inhibit catalytic role of topoisomerase II α . <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 43-54.	5.5	36
30	The contribution of heavy metals in cigarette smoke condensate to malignant transformation of breast epithelial cells and in vivo initiation of neoplasia through induction of a PI3K/AKT/NF κ B cascade. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 168-179.	2.8	35
31	Resveratrol mediated cell death in cigarette smoke transformed breast epithelial cells is through induction of p21Waf1/Cip1 and inhibition of long patch base excision repair pathway. <i>Toxicology and Applied Pharmacology</i> , 2014, 275, 221-231.	2.8	34
32	Nanoquinacrine sensitizes 5-FU-resistant cervical cancer stem-like cells by down-regulating Nectin-4 via ADAM-17 mediated NOTCH deregulation. <i>Cellular Oncology (Dordrecht)</i> , 2019, 42, 157-171.	4.4	33
33	Novel, selective acrylamide linked quinazolines for the treatment of double mutant EGFR-L858R/T790M Non-Small-Cell lung cancer (NSCLC). <i>Bioorganic Chemistry</i> , 2021, 115, 105234.	4.1	33
34	Scaffold-Hopping of Aurones: 2-Arylideneimidazo[1,2- <i>a</i>]pyridinones as Topoisomerase II α -Inhibiting Anticancer Agents. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1056-1061.	2.8	32
35	Quinacrine and curcumin synergistically increased the breast cancer stem cells death by inhibiting ABCG2 and modulating DNA damage repair pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 119, 105682.	2.8	32
36	Cancer and COVID-19: Why are cancer patients more susceptible to COVID-19?. <i>Medical Oncology</i> , 2021, 38, 101.	2.5	31

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37	Indenoidolone derivatives as topoisomerase II α inhibiting anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 934-938.	2.2	30
38	1,3-Bis(2-chloroethyl)-1-nitrosourea enhances the inhibitory effect of Resveratrol on 5-fluorouracil sensitive/resistant colon cancer cells. <i>World Journal of Gastroenterology</i> , 2013, 19, 7374.	3.3	30
39	PARP inhibitor Veliparib (ABT-888) enhances the anti-angiogenic potentiality of Curcumin through deregulation of NECTIN-4 in oral cancer: Role of nitric oxide (NO). <i>Cellular Signalling</i> , 2021, 80, 109902.	3.6	29
40	The Apoptotic Effect of Plant Based Nanosilver in Colon Cancer Cells is a p53 Dependent Process Involving ROS and JNK Cascade. <i>Pathology and Oncology Research</i> , 2015, 21, 405-411.	1.9	27
41	ABT-888 and quinacrine induced apoptosis in metastatic breast cancer stem cells by inhibiting base excision repair via adenomatous polyposis coli. <i>DNA Repair</i> , 2016, 45, 44-55.	2.8	27
42	Etoposide and doxorubicin enhance the sensitivity of triple negative breast cancers through modulation of TRAIL-DR5 axis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 1205-1224.	4.9	26
43	Nectin-4 promotes lymphangiogenesis and lymphatic metastasis in breast cancer by regulating CXCR4-LYVE-1 axis. <i>Vascular Pharmacology</i> , 2021, 140, 106865.	2.1	26
44	Quinacrine induces apoptosis in cancer cells by forming a functional bridge between TRAIL-DR5 complex and modulating the mitochondrial intrinsic cascade. <i>Oncotarget</i> , 2017, 8, 248-267.	1.8	26
45	Nanoformulated quinacrine regulates NECTIN-4 domain specific functions in cervical cancer stem cells. <i>European Journal of Pharmacology</i> , 2020, 883, 173308.	3.5	25
46	Anti-malarials are anti-cancers and vice versa $\hat{=}$ One arrow two sparrows. <i>Acta Tropica</i> , 2015, 149, 113-127.	2.0	23
47	Nectin cell adhesion molecule-4 (NECTIN-4): A potential target for cancer therapy. <i>European Journal of Pharmacology</i> , 2021, 911, 174516.	3.5	23
48	A Chemosensitizer Drug: Disulfiram Prevents Doxorubicin-Induced Cardiac Dysfunction and Oxidative Stress in Rats. <i>Cardiovascular Toxicology</i> , 2018, 18, 459-470.	2.7	22
49	Chk1 inhibitor synergizes quinacrine mediated apoptosis in breast cancer cells by compromising the base excision repair cascade. <i>Biochemical Pharmacology</i> , 2016, 105, 23-33.	4.4	21
50	Diastereoselective synthesis of novel spiro indanone fused pyrano[3,2- <i>c</i>]chromene derivatives following hetero-Diels-Alder reaction and <i>in vitro</i> anticancer studies. <i>RSC Advances</i> , 2018, 8, 16802-16814.	3.6	21
51	Adenomatous polyposis coli-mediated hypersensitivity of mouse embryonic fibroblast cell lines to methylmethane sulfonate treatment: implication of base excision repair pathways. <i>Carcinogenesis</i> , 2007, 28, 2089-2095.	2.8	20
52	TRAIL enhances quinacrine-mediated apoptosis in breast cancer cells through induction of autophagy via modulation of p21 and DR5 interactions. <i>Cellular Oncology (Dordrecht)</i> , 2017, 40, 593-607.	4.4	18
53	Ionic liquid-assisted fabrication of poly(vinyl alcohol)/nanosilver/graphene oxide composites and their cytotoxicity/antimicrobial activity. <i>Materials Chemistry and Physics</i> , 2021, 266, 124524.	4.0	18
54	Nanoquinacrine caused apoptosis in oral cancer stem cells by disrupting the interaction between GLI1 and β catenin through activation of GSK3 β . <i>Toxicology and Applied Pharmacology</i> , 2017, 330, 53-64.	2.8	17

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55	Comparative and Mechanistic Study on the Anticancer Activity of Quinacrine-Based Silver and Gold Hybrid Nanoparticles in Head and Neck Cancer. <i>Molecular Pharmaceutics</i> , 2019, 16, 3011-3023.	4.6	17
56	PARP inhibitor Olaparib Enhances the Apoptotic Potentiality of Curcumin by Increasing the DNA Damage in Oral Cancer Cells through Inhibition of BER Cascade. <i>Pathology and Oncology Research</i> , 2020, 26, 2091-2103.	1.9	17
57	C/EBP β -mediated transcriptional regulation of bcl-xl gene expression in human breast epithelial cells in response to cigarette smoke condensate. <i>Oncogene</i> , 2009, 28, 921-932.	5.9	16
58	Induction of Apoptosis by 4-(3-(tert-butylamino)imidazo[1,2-b]pyridine-2-yl) Benzoic Acid in Breast Cancer Cells via Upregulation of PTEN. <i>Oncology Research</i> , 2013, 21, 1-13.	1.5	16
59	Promising opportunities and potential risk of nanoparticle on the society. <i>IET Nanobiotechnology</i> , 2020, 14, 253-260.	3.8	16
60	PARP1-modulated chromatin remodeling is a new target for cancer treatment. <i>Medical Oncology</i> , 2021, 38, 118.	2.5	16
61	Scaffold-hopping and hybridization based design and building block strategic synthesis of pyridine-annulated purines: discovery of novel apoptotic anticancer agents. <i>RSC Advances</i> , 2015, 5, 26051-26060.	3.6	15
62	Design and synthesis of the novel, selective WZ4002 analogue as EGFR-L858R/T790M tyrosine kinase inhibitors for targeted drug therapy in non-small-cell lung cancer (NSCLC). <i>Journal of Molecular Structure</i> , 2022, 1254, 132313.	3.6	14
63	Quinacrine Based Gold Hybrid Nanoparticles Caused Apoptosis through Modulating Replication Fork in Oral Cancer Stem Cells. <i>Molecular Pharmaceutics</i> , 2020, 17, 2463-2472.	4.6	13
64	Kaposi Sarcoma Herpes Virus Latency Associated Nuclear Antigen Protein Release the G2/M Cell Cycle Blocks by Modulating ATM/ATR Mediated Checkpoint Pathway. <i>PLoS ONE</i> , 2014, 9, e100228.	2.5	13
65	Association of p53 codon72 Arg>Pro polymorphism with susceptibility to nasopharyngeal carcinoma: evidence from a case-control study and meta-analysis. <i>Oncogenesis</i> , 2016, 5, e225-e225.	4.9	12
66	Olaparib enhances curcumin-mediated apoptosis in oral cancer cells by inducing PARP trapping through modulation of BER and chromatin assembly. <i>DNA Repair</i> , 2021, 105, 103157.	2.8	12
67	NIR irradiation enhances the apoptotic potentiality of quinacrine-gold hybrid nanoparticles by modulation of HSP-70 in oral cancer stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 40, 102502.	3.3	12
68	Structural Elaboration of a Natural Product: Identification of 3,3'-Diindolylmethane Aminophosphonate and Urea Derivatives as Potent Anticancer Agents. <i>ChemMedChem</i> , 2013, 8, 1873-1884.	3.2	11
69	Anti-Cancer Stem Cells Potentiality of an Anti-Malarial Agent Quinacrine: An Old Wine in a New Bottle. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 416-427.	1.7	10
70	Cytotoxic Effect of Microbial Biosurfactants Against Human Embryonic Kidney Cancerous Cell: HEK-293 and Their Possible Role in Apoptosis. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 1850-1858.	2.9	9
71	Green chemistry approach for gold nanoparticles synthesis using plant extracts: a potential material towards catalysis and biology. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 035012.	1.5	8
72	SARI inhibits growth and reduces survival of oral squamous cell carcinomas (OSCC) by inducing endoplasmic reticulum stress. <i>Life Sciences</i> , 2021, 287, 120141.	4.3	5

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73	PARP inhibitor BMN-673 induced apoptosis by trapping PARP-1 and inhibiting base excision repair via modulation of pol- β in chromatin of breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2022, 436, 115860.	2.8	5
74	Discovery of phyto-compounds as novel inhibitors against <i>NDM-1</i> and <i>VIM-1</i> protein through virtual screening and molecular modelling. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1267-1280.	3.5	5
75	Surface functionalized gold nanorods for plasmonic photothermal therapy. <i>Materials Today: Proceedings</i> , 2021, 47, 1193-1196.	1.8	3