Chanakya Nath Kundu

List of Publications by Year
in descending order

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75	4,392	136950	118850
papers	citations	32 h-index	62 g-index

81	81	81	5613
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery of phyto-compounds as novel inhibitors against NDM-1 and VIM-1 protein through virtual screening and molecular modelling. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1267-1280.	3.5	5
2	NIR irradiation enhances the apoptotic potentiality of quinacrine-gold hybrid nanoparticles by modulation of HSP-70 in oral cancer stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 40, 102502.	3.3	12
3	PARP inhibitor BMN-673 induced apoptosis by trapping PARP-1 and inhibiting base excision repair via modulation of pol-Î² in chromatin of breast cancer cells. Toxicology and Applied Pharmacology, 2022, 436, 115860.	2.8	5
4	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). Journal of Molecular Structure, 2022, 1254, 132313.	3.6	14
5	Surface functionalized gold nanorods for plasmonic photothermal therapy. Materials Today: Proceedings, 2021, 47, 1193-1196.	1.8	3
6	Anti-Cancer Stem Cells Potentiality of an Anti-Malarial Agent Quinacrine: An Old Wine in a New Bottle. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 416-427.	1.7	10
7	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). Cellular Signalling, 2021, 80, 109902.	3.6	29
8	5-Fluorouracil (5-FU) resistance and the new strategy to enhance the sensitivity against cancer: Implication of DNA repair inhibition. Biomedicine and Pharmacotherapy, 2021, 137, 111285.	5.6	204
9	Nano formulated Resveratrol inhibits metastasis and angiogenesis by reducing inflammatory cytokines in oral cancer cells by targeting tumor associated macrophages. Journal of Nutritional Biochemistry, 2021, 92, 108624.	4.2	51
10	Ionic liquid-assisted fabrication of poly(vinyl alcohol)/nanosilver/graphene oxide composites and their cytotoxicity/antimicrobial activity. Materials Chemistry and Physics, 2021, 266, 124524.	4.0	18
11	Cancer and COVID-19: Why are cancer patients more susceptible to COVID-19?. Medical Oncology, 2021, 38, 101.	2.5	31
12	PARP1-modulated chromatin remodeling is a new target for cancer treatment. Medical Oncology, 2021, 38, 118.	2.5	16
13	Olaparib enhances curcumin-mediated apoptosis in oral cancer cells by inducing PARP trapping through modulation of BER and chromatin assembly. DNA Repair, 2021, 105, 103157.	2.8	12
14	Novel, selective acrylamide linked quinazolines for the treatment of double mutant EGFR-L858R/T790M Non-Small-Cell lung cancer (NSCLC). Bioorganic Chemistry, 2021, 115, 105234.	4.1	33
15	Nectin-4 promotes lymphangiogenesis and lymphatic metastasis in breast cancer by regulating CXCR4-LYVE-1 axis. Vascular Pharmacology, 2021, 140, 106865.	2.1	26
16	Nectin cell adhesion molecule-4 (NECTIN-4): A potential target for cancer therapy. European Journal of Pharmacology, 2021, 911, 174516.	3.5	23
17	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 T	9.1	1,430
18	SARI inhibits growth and reduces survival of oral squamous cell carcinomas (OSCC) by inducing endoplasmic reticulum stress. Life Sciences, 2021, 287, 120141.	4.3	5

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19	Clinical significance of a pvrl 4 encoded gene Nectin-4 in metastasis and angiogenesis for tumor relapse. Journal of Cancer Research and Clinical Oncology, 2020, 146, 245-259.	2.5	38
20	Quinacrine and curcumin synergistically increased the breast cancer stem cells death by inhibiting ABCG2 and modulating DNA damage repair pathway. International Journal of Biochemistry and Cell Biology, 2020, 119, 105682.	2.8	32
21	PARP inhibitor Olaparib Enhances the Apoptotic Potentiality of Curcumin by Increasing the DNA Damage in Oral Cancer Cells through Inhibition of BER Cascade. Pathology and Oncology Research, 2020, 26, 2091-2103.	1.9	17
22	Promising opportunities and potential risk of nanoparticle on the society. IET Nanobiotechnology, 2020, 14, 253-260.	3.8	16
23	Quinacrine Based Gold Hybrid Nanoparticles Caused Apoptosis through Modulating Replication Fork in Oral Cancer Stem Cells. Molecular Pharmaceutics, 2020, 17, 2463-2472.	4.6	13
24	Nanoformulated quinacrine regulates NECTIN-4 domain specific functions in cervical cancer stem cells. European Journal of Pharmacology, 2020, 883, 173308.	3.5	25
25	Green chemistry approach for gold nanoparticles synthesis using plant extracts: a potential material towards catalysis and biology. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 035012.	1.5	8
26	Comparative and Mechanistic Study on the Anticancer Activity of Quinacrine-Based Silver and Gold Hybrid Nanoparticles in Head and Neck Cancer. Molecular Pharmaceutics, 2019, 16, 3011-3023.	4.6	17
27	Nanoquinacrine sensitizes 5-FU-resistant cervical cancer stem-like cells by down-regulating Nectin-4 via ADAM-17 mediated NOTCH deregulation. Cellular Oncology (Dordrecht), 2019, 42, 157-171.	4.4	33
28	Metallic gold and bioactive quinacrine hybrid nanoparticles inhibit oral cancer stem cell and angiogenesis by deregulating inflammatory cytokines in p53 dependent manner. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 883-896.	3.3	45
29	A Chemosensitizer Drug: Disulfiram Prevents Doxorubicin-Induced Cardiac Dysfunction and Oxidative Stress in Rats. Cardiovascular Toxicology, 2018, 18, 459-470.	2.7	22
30	The soluble nectin-4 ecto-domain promotes breast cancer induced angiogenesis via endothelial Integrin-Î²4. International Journal of Biochemistry and Cell Biology, 2018, 102, 151-160.	2.8	37
31	Therapeutic prospective of plant-induced silver nanoparticles: application as antimicrobial and anticancer agent. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 38-51.	2.8	97
32	Diastereoselective synthesis of novel spiro indanone fused pyrano[3,2-c]chromene derivatives following hetero-Dielsâ€“Alder reaction andin vitroanticancer studies. RSC Advances, 2018, 8, 16802-16814.	3.6	21
33	Nectin-4 is a breast cancer stem cell marker that induces WNT/Î²-catenin signaling via Pi3k/Akt axis. International Journal of Biochemistry and Cell Biology, 2017, 89, 85-94.	2.8	68
34	Chitosan-Dextran sulfate coated doxorubicin loaded PLGA-PVA-nanoparticles caused apoptosis in doxorubicin resistance breast cancer cells through induction of DNA damage. Scientific Reports, 2017, 7, 2143.	3.3	38
35	TRAIL enhances quinacrine-mediated apoptosis in breast cancer cells through induction of autophagy via modulation of p21 and DR5 interactions. Cellular Oncology (Dordrecht), 2017, 40, 593-607.	4.4	18
36	Nanoquinacrine caused apoptosis in oral cancer stem cells by disrupting the interaction between GLI1 and Î² catenin through activation of GSK3Î². Toxicology and Applied Pharmacology, 2017, 330, 53-64.	2.8	17

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37	Etoposide and doxorubicin enhance the sensitivity of triple negative breast cancers through modulation of TRAIL-DR5 axis. Apoptosis: an International Journal on Programmed Cell Death, 2017, 22, 1205-1224.	4.9	26
38	Quinacrine induces apoptosis in cancer cells by forming a functional bridge between TRAIL-DR5 complex and modulating the mitochondrial intrinsic cascade. Oncotarget, 2017, 8, 248-267.	1.8	26
39	Association of p53 codon72 Arg>Pro polymorphism with susceptibility to nasopharyngeal carcinoma: evidence from a caseâ€“control study and meta-analysis. Oncogenesis, 2016, 5, e225-e225.	4.9	12
40	Scaffold-Hopping of Aurones: 2-Arylideneimidazo[1,2-a]pyridinones as Topoisomerase IIÎ±-Inhibiting Anticancer Agents. ACS Medicinal Chemistry Letters, 2016, 7, 1056-1061.	2.8	32
41	SURVIVIN as a marker for quiescent-breast cancer stem cellsâ€”An intermediate, adherent, pre-requisite phase of breast cancer metastasis. Clinical and Experimental Metastasis, 2016, 33, 661-675.	3.3	37
42	ABT-888 and quinacrine induced apoptosis in metastatic breast cancer stem cells by inhibiting base excision repair via adenomatous polyposis coli. DNA Repair, 2016, 45, 44-55.	2.8	27
43	Scaffold-hopping of bioactive flavonoids: Discovery of aryl-pyridopyrimidinones as potent anticancer agents that inhibit catalytic role of topoisomerase IIÎ±. European Journal of Medicinal Chemistry, 2016, 122, 43-54.	5.5	36
44	Chk1 inhibitor synergizes quinacrine mediated apoptosis in breast cancer cells by compromising the base excision repair cascade. Biochemical Pharmacology, 2016, 105, 23-33.	4.4	21
45	Pentacyclic Triterpenoids Inhibit IKKÎ² Mediated Activation of NF-ÎºB Pathway: In Silico and In Vitro Evidences. PLoS ONE, 2015, 10, e0125709.	2.5	50
46	Switch in Site of Inhibition: A Strategy for Structure-Based Discovery of Human Topoisomerase IIÎ± Catalytic Inhibitors. ACS Medicinal Chemistry Letters, 2015, 6, 481-485.	2.8	84
47	Resveratrol and curcumin synergistically induces apoptosis in cigarette smoke condensate transformed breast epithelial cells through a p21Waf1/Cip1 mediated inhibition of Hh-Gli signaling. International Journal of Biochemistry and Cell Biology, 2015, 66, 75-84.	2.8	37
48	NECTIN-4 increased the 5-FU resistance in colon cancer cells by inducing the PI3Kâ€“AKT cascade. Cancer Chemotherapy and Pharmacology, 2015, 76, 471-479.	2.3	39
49	Scaffold-hopping and hybridization based design and building block strategic synthesis of pyridine-annulated purines: discovery of novel apoptotic anticancer agents. RSC Advances, 2015, 5, 26051-26060.	3.6	15
50	Anti-malarials are anti-cancers and vice versa â€“ One arrow two sparrows. Acta Tropica, 2015, 149, 113-127.	2.0	23
51	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. Molecular Pharmaceutics, 2015, 12, 4011-4025.	4.6	51
52	The Apoptotic Effect of Plant Based Nanosilver in Colon Cancer Cells is a p53 Dependent Process Involving ROS and JNK Cascade. Pathology and Oncology Research, 2015, 21, 405-411.	1.9	27
53	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. DNA Repair, 2014, 24, 15-25.	2.8	39
54	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. Toxicology and Applied Pharmacology, 2014, 275, 221-231.	2.8	34

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55	Combretastatin A-4 inspired novel 2-aryl-3-arylamino-imidazo-pyridines/pyrazines as tubulin polymerization inhibitors, antimitotic and anticancer agents. MedChemComm, 2014, 5, 766-782.	3.4	44
56	Cytotoxic Effect of Microbial Biosurfactants Against Human Embryonic Kidney Cancerous Cell: HEK-293 and Their Possible Role in Apoptosis. Applied Biochemistry and Biotechnology, 2014, 174, 1850-1858.	2.9	9
57	Synthesis and biological evaluation of andrographolide analogues as anti-cancer agents. European Journal of Medicinal Chemistry, 2014, 85, 95-106.	5.5	44
58	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 PI3Kâ€“AKTâ€“NFÎºB cascade. Toxicology and Applied Pharmacology, 2014, 274, 168-179.	2.8	35
59	Kaposi Sarcoma Herpes Virus Latency Associated Nuclear Antigen Protein Release the G2/M Cell Cycle Blocks by Modulating ATM/ATR Mediated Checkpoint Pathway. PLoS ONE, 2014, 9, e100228.	2.5	13
60	Structural Elaboration of a Natural Product: Identification of 3,3â€²â€Ðiindolylmethane Aminophosphonate and Urea Derivatives as Potent Anticancer Agents. ChemMedChem, 2013, 8, 1873-1884.	3.2	11
61	Indenoindolone derivatives as topoisomerase IIâ€“inhibiting anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 934-938.	2.2	30
62	Silver-based nanoparticles induce apoptosis in human colon cancer cells mediated through p53. Nanomedicine, 2013, 8, 1307-1322.	3.3	119
63	Lycopene synergistically enhances quinacrine action to inhibit Wnt-TCF signaling in breast cancer cells through APC. Carcinogenesis, 2013, 34, 277-286.	2.8	74
64	Induction of Apoptosis by 4-(3-(tert-butylamino)imidazo[1,2-Î±]pyridine-2-yl) Benzoic Acid in Breast Cancer Cells via Upregulation of PTEN. Oncology Research, 2013, 21, 1-13.	1.5	16
65	1,3-Bis(2-chloroethyl)-1-nitrosourea enhances the inhibitory effect of Resveratrol on 5-fluorouracil sensitive/resistant colon cancer cells. World Journal of Gastroenterology, 2013, 19, 7374.	3.3	30
66	Quinacrine-Mediated Autophagy and Apoptosis in Colon Cancer Cells Is Through a p53- and p21-Dependent Mechanism. Oncology Research, 2012, 20, 81-91.	1.5	89
67	Scaffold hybridization in generation of indenoindolones as anticancer agents that induce apoptosis with cell cycle arrest at G2/M phase. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2474-2479.	2.2	45
68	Quinacrine has anticancer activity in breast cancer cells through inhibition of topoisomerase activity. International Journal of Cancer, 2012, 130, 1660-1670.	5.1	130
69	N-Fused Imidazoles As Novel Anticancer Agents That Inhibit Catalytic Activity of Topoisomerase IIÎ± and Induce Apoptosis in G1/S Phase. Journal of Medicinal Chemistry, 2011, 54, 5013-5030.	6.4	248
70	5-Fluorouracil Increases the Chemopreventive Potentials of Resveratrol Through DNA Damage and MAPK Signaling Pathway in Human Colorectal Cancer Cells. Oncology Research, 2011, 19, 311-321.	1.5	50
71	C/EBPÎ²-mediated transcriptional regulation of bcl-xl gene expression in human breast epithelial cells in response to cigarette smoke condensate. Oncogene, 2009, 28, 921-932.	5.9	16
72	Adenomatous polyposis coli-mediated hypersensitivity of mouse embryonic fibroblast cell lines to methylmethane sulfonate treatment: implication of base excision repair pathways. Carcinogenesis, 2007, 28, 2089-2095.	2.8	20

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73	Cigarette smoke condensate-induced level of adenomatous polyposis coli blocks long-patch base excision repair in breast epithelial cells. Oncogene, 2007, 26, 1428-1438.	5.9	41
74	Negative Regulation of Mixed Lineage Kinase 3 by Protein Kinase B/AKT Leads to Cell Survival. Journal of Biological Chemistry, 2003, 278, 3897-3902.	3.4	123
75	Activation of the Drosophila MLK by Ceramide Reveals TNF-Î± and Ceramide as Agonists of Mammalian MLK3. Molecular Cell, 2002, 10, 1527-1533.	9.7	89