

Gopal Chakrabarti

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,354
citations

218677

26
h-index

197818

49
g-index

54
all docs

54
docs citations

54
times ranked

15826
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule-Targeting Agents Induce ROS-Mediated Apoptosis in Cancer. , 2022, , 565-582.		0
2	Computational prediction of the molecular mechanism of statin group of drugs against SARS-CoV-2 pathogenesis. Scientific Reports, 2022, 12, 6241.	3.3	12
3	Natural flavonoid morin showed anti-bacterial activity against Vibrio cholera after binding with cell division protein FtsA near ATP binding site. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129931.	2.4	5
4	Enhanced antifungal activity of fluconazole conjugated with Cu-Ag-ZnO nanocomposite. Materials Science and Engineering C, 2020, 106, 110160.	7.3	37
5	Targeting cellular microtubule by phytochemical apocynin exhibits autophagy-mediated apoptosis to inhibit lung carcinoma progression and tumorigenesis. Phytomedicine, 2020, 67, 153152.	5.3	19
6	FtsA-FtsZ interaction in Vibrio cholerae causes conformational change of FtsA resulting in inhibition of ATP hydrolysis and polymerization. International Journal of Biological Macromolecules, 2020, 142, 18-32.	7.5	7
7	NMK-BH2, a novel microtubule-depolymerising bis (indolyl)-hydrazide-hydrazone, induces apoptotic and autophagic cell death in cervical cancer cells by binding to tubulin at colchicine site. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118762.	4.1	14
8	Targeting Autophagy in Cancer: Therapeutic Implications. , 2020, , 249-264.		0
9	Paclitaxel-encapsulated core-shell nanoparticle of cetyl alcohol for active targeted delivery through oral route. Nanomedicine, 2019, 14, 2121-2150.	3.3	23
10	A novel triazole, NMK-T-057, induces autophagic cell death in breast cancer cells by inhibiting β -secretase-mediated activation of Notch signaling. Journal of Biological Chemistry, 2019, 294, 6733-6750.	3.4	23
11	Autophagy inhibition with chloroquine reverts paclitaxel resistance and attenuates metastatic potential in human nonsmall lung adenocarcinoma A549 cells via ROS mediated modulation of β -catenin pathway. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 414-433.	4.9	61
12	Novel nano-insulin formulation modulates cytokine secretion and remodeling to accelerate diabetic wound healing. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 47-57.	3.3	37
13	Metformin exhibited anticancer activity by lowering cellular cholesterol content in breast cancer cells. PLoS ONE, 2019, 14, e0209435.	2.5	39
14	Theaflavin and epigallocatechin gallate synergistically induce apoptosis through inhibition of PI3K/Akt signaling upon depolymerizing microtubules in HeLa cells. Journal of Cellular Biochemistry, 2019, 120, 5987-6003.	2.6	20
15	Unveiling the Potential of Unfused Bichromophoric Naphthalimide To Induce Cytotoxicity by Binding to Tubulin: Breaks Monotony of Naphthalimides as Conventional Intercalators. Journal of Physical Chemistry B, 2018, 122, 3680-3695.	2.6	5
16	Design, synthesis and biological evaluation of a novel library of antimitotic C2-aryl/arylimino tryptamine derivatives that are also potent inhibitors of indoleamine-2, 3-dioxygenase (IDO). European Journal of Pharmaceutical Sciences, 2018, 124, 249-265.	4.0	6
17	Paclitaxel resistance development is associated with biphasic changes in reactive oxygen species, mitochondrial membrane potential and autophagy with elevated energy production capacity in lung cancer cells: A chronological study. Tumor Biology, 2017, 39, 101042831769431.	1.8	33
18	A Facile and Microwave-assisted Rapid Synthesis of 2-Arylamino-4-(3-indolyl)-thiazoles as Apoptosis Inducing Cytotoxic Agents. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 442-455.	1.7	6

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19	Azadiradione ameliorates polyglutamine expansion disease in <i>Drosophila</i> by potentiating DNA binding activity of heat shock factor 1. <i>Oncotarget</i> , 2016, 7, 78281-78296.	1.8	28
20	Development of Novel Bis(indolyl)-hydrazide-Hydrazone Derivatives as Potent Microtubule-Targeting Cytotoxic Agents against A549 Lung Cancer Cells. <i>Biochemistry</i> , 2016, 55, 3020-3035.	2.5	50
21	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
22	Colchicine induces autophagy and senescence in lung cancer cells at clinically admissible concentration: potential use of colchicine in combination with autophagy inhibitor in cancer therapy. <i>Tumor Biology</i> , 2016, 37, 10653-10664.	1.8	32
23	Potential role of autophagy in smokeless tobacco extract-induced cytotoxicity and in morin-induced protection in oral epithelial cells. <i>Food and Chemical Toxicology</i> , 2016, 90, 160-170.	3.6	8
24	Determining the roles of a conserved tyrosine residue in a Mip-like peptidyl-prolyl cis-trans isomerase. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 273-280.	7.5	4
25	Proline substitutions in a Mip-like peptidyl-prolyl cis-trans isomerase severely affect its structure, stability, shape and activity. <i>Biochimie Open</i> , 2015, 1, 28-39.	3.2	11
26	Epigallocatechin-3-gallate shows anti-proliferative activity in HeLa cells targeting tubulin-microtubule equilibrium. <i>Chemico-Biological Interactions</i> , 2015, 242, 380-389.	4.0	32
27	miR-16 targets Bcl-2 in paclitaxel-resistant lung cancer cells and overexpression of miR-16 along with miR-17 causes unprecedented sensitivity by simultaneously modulating autophagy and apoptosis. <i>Cellular Signalling</i> , 2015, 27, 189-203.	3.6	92
28	miR-17-5p Downregulation Contributes to Paclitaxel Resistance of Lung Cancer Cells through Altering Beclin1 Expression. <i>PLoS ONE</i> , 2014, 9, e95716.	2.5	135
29	<i>Leishmania donovani</i> Infection Enhances Lateral Mobility of Macrophage Membrane Protein Which Is Reversed by Liposomal Cholesterol. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3367.	3.0	10
30	Inhibition of autophagy by chloroquine potentiates synergistically anti-cancer property of artemisinin by promoting ROS dependent apoptosis. <i>Biochimie</i> , 2014, 107, 338-349.	2.6	81
31	Thymoquinone inhibits microtubule polymerization by tubulin binding and causes mitotic arrest following apoptosis in A549 cells. <i>Biochimie</i> , 2014, 97, 78-91.	2.6	38
32	2,4-Dichlorophenoxyacetic acid induced toxicity in lung cells by disruption of the tubulin-microtubule network. <i>Toxicology Research</i> , 2014, 3, 118.	2.1	30
33	Dimethyl sulphoxide and Ca ²⁺ stimulate assembly of <i>Vibrio cholerae</i> FtsZ. <i>Biochimie</i> , 2014, 105, 64-75.	2.6	6
34	Inhibitor-Induced Conformational Stabilization and Structural Alteration of a Mip-Like Peptidyl Prolyl cis-trans Isomerase and Its C-Terminal Domain. <i>PLoS ONE</i> , 2014, 9, e102891.	2.5	8
35	Apigenin shows synergistic anticancer activity with curcumin by binding at different sites of tubulin. <i>Biochimie</i> , 2013, 95, 1297-1309.	2.6	77
36	Unprecedented inhibition of tubulin polymerization directed by gold nanoparticles inducing cell cycle arrest and apoptosis. <i>Nanoscale</i> , 2013, 5, 4476.	5.6	95

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37	Smokeless Tobacco Extract (STE)-Induced Toxicity in Mammalian Cells is Mediated by the Disruption of Cellular Microtubule Network: A Key Mechanism of Cytotoxicity. <i>PLoS ONE</i> , 2013, 8, e68224.	2.5	17
38	NMK-TD-100, a Novel Microtubule Modulating Agent, Blocks Mitosis and Induces Apoptosis in HeLa Cells by Binding to Tubulin. <i>PLoS ONE</i> , 2013, 8, e76286.	2.5	16
39	Acenaphthenequinone induces cell cycle arrest and mitochondrial apoptosis via disruption of cellular microtubules. <i>Toxicology Research</i> , 2012, 1, 171.	2.1	8
40	Theaflavins Depolymerize Microtubule Network through Tubulin Binding and Cause Apoptosis of Cervical Carcinoma HeLa Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2040-2048.	5.2	15
41	A complex of Co(II) with 2-hydroxyphenyl-azo-2-naphthol (HPAN) is far less cytotoxic than the parent compound on A549-lung carcinoma and peripheral blood mononuclear cells: Reasons for reduction in cytotoxicity. <i>Chemico-Biological Interactions</i> , 2011, 189, 206-214.	4.0	21
42	The microtubule depolymerizing agent naphthazarin induces both apoptosis and autophagy in A549 lung cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011, 16, 924-939.	4.9	68
43	Genistein Arrests Cell Cycle Progression of A549 Cells at the G2/M Phase and Depolymerizes Interphase Microtubules through Binding to a Unique Site of Tubulin. <i>Biochemistry</i> , 2010, 49, 1702-1712.	2.5	43
44	1,4-Benzoquinone (PBQ) Induced Toxicity in Lung Epithelial Cells Is Mediated by the Disruption of the Microtubule Network and Activation of Caspase-3. <i>Chemical Research in Toxicology</i> , 2010, 23, 1054-1066.	3.3	51
45	Aqueous extract of ginger shows antiproliferative activity through disruption of microtubule network of cancer cells. <i>Food and Chemical Toxicology</i> , 2010, 48, 2872-2880.	3.6	66
46	Cigarette Smoke Extract Induces Disruption of Structure and Function of Tubulin ^α Microtubule in Lung Epithelium Cells and <i>in Vitro</i> . <i>Chemical Research in Toxicology</i> , 2009, 22, 446-459.	3.3	28
47	Vitamin K3 Disrupts the Microtubule Networks by Binding to Tubulin: A Novel Mechanism of Its Antiproliferative Activity. <i>Biochemistry</i> , 2009, 48, 6963-6974.	2.5	43
48	The Natural Naphthoquinone Plumbagin Exhibits Antiproliferative Activity and Disrupts the Microtubule Network through Tubulin Binding. <i>Biochemistry</i> , 2008, 47, 7838-7845.	2.5	69
49	Suppression of Microtubule Dynamic Instability and Treadmilling by Deuterium Oxide. <i>Biochemistry</i> , 2000, 39, 5075-5081.	2.5	73
50	Thermodynamics of Colchicinoid-Tubulin Interactions. <i>Journal of Biological Chemistry</i> , 1996, 271, 2897-2901.	3.4	46