

Utpal Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

565
citations

516710

16
h-index

610901

24
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28
all docs

28
docs citations

28
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	miRNA gene counts in chromosomes vary widely in a species and biogenesis of miRNA largely depends on transcription or post-transcriptional processing of coding genes. <i>Frontiers in Genetics</i> , 2014, 5, 100.	2.3	85
2	Interaction studies between biosynthesized silver nanoparticle with calf thymus DNA and cytotoxicity of silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 141, 176-184.	3.9	58
3	Caspase 8 mediated apoptotic cell death induced by β -sheet forming polyalanine peptides. <i>FEBS Letters</i> , 2003, 555, 380-384.	2.8	45
4	Synthesis, structure, interaction with DNA and cytotoxicity of a luminescent copper(II) complex with a hydrazone ligand. <i>Polyhedron</i> , 2013, 51, 228-234.	2.2	30
5	Reduction of metastatic potential by inhibiting EGFR/Akt/p38/ERK signaling pathway and epithelial-mesenchymal transition after carbon ion exposure is potentiated by PARP-1 inhibition in non-small-cell lung cancer. <i>BMC Cancer</i> , 2019, 19, 829.	2.6	27
6	Induction of apoptosis by the inhibitors of poly(ADP-ribose)polymerase in HeLa cells. <i>Molecular and Cellular Biochemistry</i> , 2009, 320, 15-23.	3.1	24
7	Design and synthesis of anthracene-based bispyridinium amides: anion binding, cell staining and DNA interaction studies. <i>New Journal of Chemistry</i> , 2012, 36, 1231.	2.8	24
8	Benzamide and 4-amino 1,8 naphthalimide treatment inhibit telomerase activity by down-regulating the expression of telomerase associated protein and inhibiting the poly(ADP-ribosyl)ation of telomerase reverse transcriptase in cultured cells. <i>FEBS Journal</i> , 2005, 272, 4237-4248.	4.7	23
9	Synthesis, structural characterisation and cytotoxicity of new iron(III) complexes with pyrazolyl thiosemicabazones. <i>Polyhedron</i> , 2012, 34, 1-12.	2.2	22
10	Interaction of aurintricarboxylic acid (ATA) with four nucleic acid binding proteins DNase I, RNase A, reverse transcriptase and Taq polymerase. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 1145-1151.	3.9	20
11	Inhibition of telomerase activity by reduction of poly(ADP-ribosyl)ation of TERT and TEP1/TP1 expression in HeLa cells with knocked down poly(ADP-ribose) polymerase-1 (PARP-1) gene. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 615, 66-74.	1.0	19
12	Radiosensitivity and Induction of Apoptosis by High LET Carbon Ion Beam and Low LET Gamma Radiation: A Comparative Study. <i>Scientifica</i> , 2014, 2014, 1-10.	1.7	18
13	Carbon ion beam triggers both caspase-dependent and caspase-independent pathway of apoptosis in HeLa and status of PARP-1 controls intensity of apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 562-580.	4.9	18
14	Insight into the binding of a non-toxic, self-assembling aromatic tripeptide with ct-DNA: Spectroscopic and viscositic studies. <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 112-118.	1.3	18
15	β -Amino Acid Derived Benzimidazole-Linked Rhodamines: A Case of Substitution Effect at the Amino Acid Site toward Spiro Ring Opening for Selective Sensing of Al^{3+} Ions. <i>Inorganic Chemistry</i> , 2017, 56, 8889-8899.	4.0	17
16	Sensitization of chondrosarcoma cells with PARP inhibitor and high-LET radiation. <i>Journal of Bone Oncology</i> , 2019, 17, 100246.	2.4	17
17	PARP-1 depletion in combination with carbon ion exposure significantly reduces MMPs activity and overall increases TIMPs expression in cultured HeLa cells. <i>Radiation Oncology</i> , 2016, 11, 126.	2.7	15
18	Synthesis and characterization of two Cu(II) complexes with a new pyrazole-based Schiff base ligand: crystallography, DNA interaction and antimicrobial activity of Ni(II) and Cu(II) complexes. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1618-1634.	2.2	14

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19	Expression of Telomere-Associated Proteins is Interdependent to Stabilize Native Telomere Structure and Telomere Dysfunction by G-Quadruplex Ligand Causes TERRA Upregulation. <i>Cell Biochemistry and Biophysics</i> , 2018, 76, 311-319.	1.8	13
20	Effect of Substitution at Amine Functionality of 2,6-Diaminopyridine-Coupled Rhodamine on Metal-Ion Interaction and Self-Assembly. <i>ACS Omega</i> , 2020, 5, 13984-13993.	3.5	13
21	Synthesis of novel pyrano[3,2-f]quinoline, phenanthroline derivatives and studies of their interactions with proteins: An application in mammalian cell imaging. <i>European Journal of Medicinal Chemistry</i> , 2014, 71, 306-315.	5.5	12
22	Gamma ray-induced in vitro cell migration via EGFR/ERK/Akt/p38 activation is prevented by olaparib pretreatment. <i>International Journal of Radiation Biology</i> , 2020, 96, 651-660.	1.8	11
23	Induction of apoptosis by benzamide and its inhibition by aurin tricarboxylic acid (ATA) in Chinese hamster V79 cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 554, 121-129.	1.0	10
24	Association of fluorescent probes 1-anilinonaphthalene-8-sulfonate and 4,4'-dianilino-1,1'-binaphthyl-5,5'-disulfonic acid with T7 RNA polymerase. <i>Biopolymers</i> , 2003, 72, 249-255.	2.4	6
25	Ethanol extract of leaf of <i>Dillenia pentagyna</i> reduces in vitro cell migration and induces intrinsic pathway of apoptosis via downregulation of NF- κ B in human NSCLC A549 cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19841-19857.	2.6	2
26	PARP1 modulates telomere sister chromatid exchange and telomere length homeostasis by regulating telomere localization of SLX4 in U2OS cells. <i>Life Sciences</i> , 2021, 277, 119556.	4.3	2
27	Patients with Congenital Limb Anomaly Show Short Telomere, Shutdown of Telomerase and Deregulated Expression of Various Telomere-Associated Proteins in Peripheral Blood Mononuclear Cells- A Case Series. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2017, 11, GR01-GR06.	0.8	2