

Chandramani Pathak

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,014
citations

471061

17
h-index

500791

28
g-index

62
all docs

62
docs citations

62
times ranked

1366
citing authors

#	ARTICLE	IF	CITATIONS
1	Queuosine modification of tRNA: its divergent role in cellular machinery. <i>Bioscience Reports</i> , 2010, 30, 135-148.	1.1	91
2	Molecular and cellular paradigms of multidrug resistance in cancer. <i>Cancer Reports</i> , 2022, 5, e1291.	0.6	56
3	AGE-RAGE synergy influences programmed cell death signaling to promote cancer. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 585-598.	1.4	54
4	Curcumin Conjugated with PLGA Potentiates Sustainability, Anti-Proliferative Activity and Apoptosis in Human Colon Carcinoma Cells. <i>PLoS ONE</i> , 2015, 10, e0117526.	1.1	52
5	Queuine promotes antioxidant defence system by activating cellular antioxidant enzyme activities in cancer. <i>Bioscience Reports</i> , 2008, 28, 73-81.	1.1	45
6	FADD regulates NF- κ B activation and promotes ubiquitination of cFLIPL to induce apoptosis. <i>Scientific Reports</i> , 2016, 6, 22787.	1.6	44
7	Quercetin protects necrotic insult and promotes apoptosis by attenuating the expression of RAGE and its ligand HMGB1 in human breast adenocarcinoma cells. <i>IUBMB Life</i> , 2015, 67, 361-373.	1.5	39
8	Pluronic micelles encapsulated curcumin manifests apoptotic cell death and inhibits pro-inflammatory cytokines in human breast adenocarcinoma cells. <i>Cancer Reports</i> , 2019, 2, e1133.	0.6	36
9	Hypomodification of Transfer RNA in Cancer with Respect to Queuosine. <i>RNA Biology</i> , 2005, 2, 143-148.	1.5	34
10	Human Toll-Like Receptor 4 (hTLR4): Structural and functional dynamics in cancer. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 425-451.	3.6	33
11	Molecular insights of NADPH oxidases and its pathological consequences. <i>Cell Biochemistry and Function</i> , 2021, 39, 218-234.	1.4	31
12	Modulation of Lactate Dehydrogenase Isozymes by Modified Base Queuine. <i>Molecular Biology Reports</i> , 2005, 32, 191-196.	1.0	29
13	Mechanism for Development of Nanobased Drug Delivery System. , 2019, , 35-67.		28
14	Silibinin, A Natural Blend In Polytherapy Formulation For Targeting Cd44v6 Expressing Colon Cancer Stem Cells. <i>Scientific Reports</i> , 2018, 8, 16985.	1.6	27
15	Possible involvement of queuine in regulation of cell proliferation. <i>BioFactors</i> , 2007, 29, 159-173.	2.6	26
16	Regulation of HA14-1 mediated oxidative stress, toxic response, and autophagy by curcumin to enhance apoptotic activity in human embryonic kidney cells. <i>BioFactors</i> , 2014, 40, 157-169.	2.6	25
17	Apoptotic potential of Fas-associated death domain on regulation of cell death regulatory protein cFLIP and death receptor mediated apoptosis in HEK 293T cells. <i>Journal of Cell Communication and Signaling</i> , 2012, 6, 155-168.	1.8	22
18	Synthesis, characterization, structural-activity relationship and biomolecular interaction studies of heteroleptic Pd(II) complexes with acetyl pyridine scaffold. <i>Journal of Molecular Structure</i> , 2020, 1221, 128802.	1.8	18

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19	Expression of cFLIP_L Determines the Basal Interaction of Bcl_L With Beclin_L and Regulates p53 Dependent Ubiquitination of Beclin_L During Autophagic Stress. Journal of Cellular Biochemistry, 2016, 117, 1757-1768.	1.2	16
20	Biological activities of pyrazoline-indole based Re(I) carbonyls: DNA interaction, antibacterial, anticancer, ROS production, lipid peroxidation, in vivo and in vitro cytotoxicity studies. Chemo-Biological Interactions, 2020, 330, 109231.	1.7	16
21	Modulation in the activity of lactate dehydrogenase and level of c-Myc and c-Fos by modified base queuine in cancer. Cancer Biology and Therapy, 2008, 7, 85-91.	1.5	15
22	Expression of FADD and cFLIPL balances mitochondrial integrity and redox signaling to substantiate apoptotic cell death. Molecular and Cellular Biochemistry, 2016, 422, 135-150.	1.4	15
23	“Programmed Cell Death: A Process of Death for Survival” How Far Terminology Pertinent for Cell Death in Unicellular Organisms. Journal of Cell Death, 2018, 11, 117906601879025.	0.8	15
24	Cell-Penetrable Peptide-Conjugated FADD Induces Apoptosis and Regulates Inflammatory Signaling in Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 6890.	1.8	15
25	Nimbolide induces cell death in T lymphoma cells: Implication of altered apoptosis and glucose metabolism. Environmental Toxicology, 2021, 36, 628-641.	2.1	15
26	Formulation, Solubilization, and In Vitro Characterization of Quercetin-Incorporated Mixed Micelles of PEO-PPO-PEO Block Copolymers. Applied Biochemistry and Biotechnology, 2022, 194, 445-463.	1.4	15
27	Queuine mediated inhibition in phosphorylation of tyrosine phosphoproteins in cancer. Molecular Biology Reports, 2008, 35, 369-374.	1.0	13
28	Surface modified PAMAM dendrimers with gallic acid inhibit, cell proliferation, cell migration and inflammatory response to augment apoptotic cell death in human colon carcinoma cells. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6853-6869.	2.0	13
29	Oxidative Stress and Inflammation Can Fuel Cancer. , 2020, , 229-258.		13
30	DNA interaction, anticancer, antibacterial, ROS and lipid peroxidation studies of quinoxaline based organometallic Re(I) carbonyls. Journal of Molecular Structure, 2021, 1240, 130529.	1.8	13
31	Structural insights into pharmacophore-assisted <i>in silico</i> identification of protein-protein interaction inhibitors for inhibition of human toll-like receptor 4 myeloid differentiation factor-2 (hTLR4~MD-2) complex. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1968-1991.	2.0	12
32	Cell apoptosis induced by ciprofloxacin based Cu(II) complexes: cytotoxicity, SOD mimic and antibacterial studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4555-4562.	2.0	12
33	Synthesis, characterization and biological application of 5-quinoline 1,3,5-trisubstituted pyrazole based platinum(II) complexes. MedChemComm, 2018, 9, 282-298.	3.5	11
34	Design, synthesis, pharmacological evaluation and DNA interaction studies of binuclear Pt(II) complexes with pyrazolo[1,5-a]pyrimidine scaffold. Applied Organometallic Chemistry, 2018, 32, e4222.	1.7	10
35	Upregulation of NOX-2 and Nrf-2 Promotes 5-Fluorouracil Resistance of Human Colon Carcinoma (HCT-116) Cells. Biochemistry (Moscow), 2021, 86, 262-274.	0.7	10
36	Phosphodiesterase 5 inhibitor sildenafil potentiates the antitumor activity of cisplatin by ROS-mediated apoptosis: a role of deregulated glucose metabolism. Apoptosis: an International Journal on Programmed Cell Death, 2022, 27, 606-618.	2.2	10

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37	Tetrazolo[1,5-a]quinoline moiety-based Os(IV) complexes: DNA binding/cleavage, bacteriostatic and photocytotoxicity assay. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2894-2903.	2.0	8
38	Mechanistic insight of cell anti-proliferative activity of fluoroquinolone drug-based Cu(II) complexes. <i>Molecular Diversity</i> , 2022, 26, 869-878.	2.1	8
39	Design, synthesis, MTT assay, DNA interaction studies of platinum(II) complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 14-31.	2.0	7
40	DNA interaction, in vivo and in vitro cytotoxicity, reactive oxygen species, lipid peroxidation of π -N, S donor Re(I) metal complexes. <i>Molecular Diversity</i> , 2021, 25, 687-699.	2.1	7
41	Evaluation of benzothiophene carboxamides as analgesics and anti-inflammatory agents. <i>IUBMB Life</i> , 2014, 66, 201-211.	1.5	6
42	Leishmania donovani adenylate kinase 2a prevents ATP-mediated cell cytolysis in macrophages. <i>Parasitology International</i> , 2019, 72, 101929.	0.6	6
43	Escherichia coli strain engineering for enhanced production of serratiopeptidase for therapeutic applications. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 1050-1060.	3.6	6
44	Bipyrazole Based Novel Bimetallic μ -oxo Bridged Au(III) Complexes as Potent DNA Intercalative, Genotoxic, Anticancer, Antibacterial and Cytotoxic Agents. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 5085-5099.	1.9	6
45	Oxadiazole based Os(IV) compounds as potential DNA intercalator and cytotoxic agents. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108070.	1.8	5
46	Hydrophilic Acylated Surface Protein A (HASPA) of Leishmania donovani: Expression, Purification and Biophysico-Chemical Characterization. <i>Protein Journal</i> , 2017, 36, 343-351.	0.7	4
47	DNA interaction, anticancer, cytotoxicity and genotoxicity studies with potential pyrazine-bipyrazole dinuclear μ -oxo bridged Au(III) complexes. <i>Molecular Diversity</i> , 2022, 26, 2085-2101.	2.1	4
48	Development and characterization of supramolecular calcitonin assembly and assessment of its interactions with the bone remodelling process. <i>Bone</i> , 2019, 122, 123-135.	1.4	3
49	Synthesis, Characterization and Biological Application of Pyrazolo[1,5-a]pyrimidine Based Organometallic Re(I) Complexes. <i>Acta Chimica Slovenica</i> , 2020, 67, 957-969.	0.2	3
50	Fluorescence, DNA Interaction and Cytotoxicity Studies of 4,5-Dihydro-1H-Pyrazol-1-yl Moiety Based Os(IV) Compounds: Synthesis, Characterization and Biological Evaluation. <i>Journal of Fluorescence</i> , 2021, 31, 349-362.	1.3	2
51	Synthesis, characterization, and biological applications of pyrazole moiety bearing osmium(IV) complexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 593-618.	0.4	1
52	Synthesis, spectroscopic characterization, computational and biological evaluation of organometallic Re(I) complexes with 5-(2-butyl-5-chloro-1H-imidazol-4-yl)-1,3-diaryl-4,5-dihydro-1H-pyrazole. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109005.	1.8	1
53	INHIBITION OF NADPH OXIDASE ACTIVITY AUGMENTS 5-FLUOROURACIL MEDIATED CELL DEATH IN HUMAN COLON CARCINOMA HCT-116 CELLS. <i>International Journal of Advanced Research</i> , 2020, 8, 865-874.	0.0	1
54	Synthesis, Characterization, and Biological Evaluation of Osmium(IV) Pyrazole Carbothioamide Complexes. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-17.	1.4	0

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55	Evaluation of antimetabolic activity of herbal extracts using plant-based model systems and their cytotoxic potential against human colon carcinoma cells. <i>Journal of Cancer Research and Therapeutics</i> , 2021, 17, 1483.	0.3	0
56	Advanced Glycation End Products-Mediated Oxidative Stress and Regulated Cell Death Signaling in <i>Cancer</i> . , 2022, , 535-550.		0
57	Synthesis, Characterization and Biological Application of Pyrazolo[1,5-a]pyrimidine Based Organometallic Re(I) Complexes. <i>Acta Chimica Slovenica</i> , 2020, 67, 957-969.	0.2	0