

Birija Sankar Patro

List of Publications by Year in descending order

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papers

1,009
citations

471509

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docs citations

39
times ranked

1211
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant Activity of Piper betel Leaf Extract and Its Constituents. Journal of Agricultural and Food Chemistry, 2006, 54, 9046-9054.	5.2	136
2	Mitochondrial dysfunction mediated by quinone oxidation products of dopamine: Implications in dopamine cytotoxicity and pathogenesis of Parkinson's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 663-673.	3.8	92
3	Antioxidant Activity of Myristica malabarica Extracts and Their Constituents. Journal of Agricultural and Food Chemistry, 2005, 53, 6912-6918.	5.2	77
4	Syntheses and photodynamic activity of some glucose-conjugated BODIPY dyes. European Journal of Medicinal Chemistry, 2016, 122, 352-365.	5.5	76
5	Protective Activities of Some Phenolic 1,3-Diketones against Lipid Peroxidation: Possible Involvement of the 1,3-Diketone Moiety. ChemBioChem, 2002, 3, 364-370.	2.6	66
6	WRN helicase regulates the ATR \rightarrow CHK1-induced S-phase checkpoint pathway in response to topoisomerase \rightarrow DNA covalent complexes. Journal of Cell Science, 2011, 124, 3967-3979.	2.0	45
7	PicoGreen: a better amyloid probe than Thioflavin-T. Chemical Communications, 2016, 52, 12163-12166.	4.1	40
8	Molecular mechanism of the anti-inflammatory activity of a natural diarylnonanoid, malabaricone C. Free Radical Biology and Medicine, 2012, 52, 1680-1691.	2.9	31
9	Salinomycin reduces growth, proliferation and metastasis of cisplatin resistant breast cancer cells via NF- κ B deregulation. Toxicology in Vitro, 2019, 60, 125-133.	2.4	31
10	Comparative nuclease and anti-cancer properties of the naturally occurring malabaricones. Bioorganic and Medicinal Chemistry, 2010, 18, 7043-7051.	3.0	28
11	Resveratrol analogue, trans-4,4 \rightarrow -dihydroxystilbene (DHS), inhibits melanoma tumor growth and suppresses its metastatic colonization in lungs. Biomedicine and Pharmacotherapy, 2018, 107, 1104-1114.	5.6	28
12	Topoisomerase Inhibitor Coralyne Photosensitizes DNA, Leading to Elicitation of Chk2-Dependent S-phase Checkpoint and p53-Independent Apoptosis in Cancer Cells. Antioxidants and Redox Signaling, 2010, 12, 945-960.	5.4	26
13	Inhibitory property of the Piper betel phenolics against photosensitization-induced biological damages. Bioorganic and Medicinal Chemistry, 2008, 16, 2932-2938.	3.0	24
14	trans-4,4 \rightarrow -Dihydroxystilbene (DHS) inhibits human neuroblastoma tumor growth and induces mitochondrial and lysosomal damages in neuroblastoma cell lines. Oncotarget, 2017, 8, 73905-73924.	1.8	24
15	DNA damage dependent activation of checkpoint kinase-1 and mitogen-activated protein kinase-p38 are required in malabaricone C-induced mitochondrial cell death. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1014-1027.	2.4	23
16	Targeting autophagy reverses de novo resistance in homologous recombination repair proficient breast cancers to PARP inhibition. British Journal of Cancer, 2021, 124, 1260-1274.	6.4	23
17	Resveratrol sensitizes breast cancer to PARP inhibitor, talazoparib through dual inhibition of AKT and autophagy flux. Biochemical Pharmacology, 2022, 199, 115024.	4.4	22
18	Synthesis of Dihydrobenzofuro[3,2 \rightarrow]chromenes as Potential 3CLpro Inhibitors of SARS \rightarrow CoV \rightarrow 2: A Molecular Docking and Molecular Dynamics Study. ChemMedChem, 2022, 17, .	3.2	20

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19	Mechanism of the malabaricone C-induced toxicity to the MCF-7 cell line. <i>Free Radical Research</i> , 2014, 48, 466-477.	3.3	17
20	Targeting RECQL5 Functions, by a Small Molecule, Selectively Kills Breast Cancer <i>in Vitro</i> and <i>in Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1524-1544.	6.4	17
21	Differential modes of photosensitisation in cancer cells by berberine and coralyne. <i>Free Radical Research</i> , 2017, 51, 723-738.	3.3	16
22	Synergistic enhancement in the drug sequestration power and reduction in the cytotoxicity of surfactants. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25446-25455.	2.8	16
23	Pharmacological targeting of differential DNA repair, radio-sensitizes WRN-deficient cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>Biochemical Pharmacology</i> , 2021, 186, 114450.	4.4	15
24	Possible role of hydroxyl radicals in the oxidative degradation of folic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 67-71.	2.2	14
25	Coralyne, a protoberberine alkaloid, causes robust photosensitization of cancer cells through ATR-p38 MAPK-BAX and JAK2-STAT1-BAX pathways. <i>Chemico-Biological Interactions</i> , 2018, 285, 27-39.	4.0	14
26	Thiol antioxidants sensitize malabaricone C induced cancer cell death via reprogramming redox sensitive p53 and NF- κ B proteins <i>in vitro</i> and <i>in vivo</i> . <i>Free Radical Biology and Medicine</i> , 2020, 148, 182-199.	2.9	14
27	Fluorescent Cu ²⁺ sensor based on phenanthroline-BODIPY conjugate: A mechanistic study. <i>Dyes and Pigments</i> , 2022, 203, 110343.	3.7	12
28	Mechanism of the anti-hypertensive property of the naturally occurring phenolic, malabaricone C in DOCA-salt rats. <i>Free Radical Research</i> , 2016, 50, 111-121.	3.3	11
29	Dysregulation of mitophagy and mitochondrial homeostasis in cancer stem cells: Novel mechanism for anti-cancer stem cell-targeted cancer therapy. <i>British Journal of Pharmacology</i> , 2022, 179, 5015-5035.	5.4	11
30	Spice-derived phenolic, malabaricone B induces mitochondrial damage in lung cancer cells <i>in vitro</i> via a p53-independent pathway. <i>Food and Function</i> , 2018, 9, 5715-5727.	4.6	9
31	Is DAPI assay of cellular nucleic acid reliable in the presence of protein aggregates?. <i>Chemical Communications</i> , 2020, 56, 13844-13847.	4.1	9
32	Carbon nano-dot for cancer studies as dual nano-sensor for imaging intracellular temperature or pH variation. <i>Scientific Reports</i> , 2021, 11, 24341.	3.3	7
33	Synthesis of Bioactive Diarylheptanoids from <i>Alpinia officinarum</i> and Their Mechanism of Action for Anticancer Properties in Breast Cancer Cells. <i>Journal of Natural Products</i> , 2021, 84, 352-363.	3.0	5
34	Cell Permeable Imidazole-Desferrioxamine Conjugates: Synthesis and <i>In Vitro</i> Evaluation. <i>Bioconjugate Chemistry</i> , 2019, 30, 841-852.	3.6	4
35	Mechanism of coralyne-mediated DNA photo-nicking process. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 194, 140-148.	3.8	3
36	Non-enzymatic function of WRN RECQL helicase regulates removal of topoisomerase-DNA covalent complexes and triggers NF- κ B signaling in cancer. <i>Aging Cell</i> , 2022, 21, e13625.	6.7	3

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37	Abstract C78: ATR-FANCD2 dependent JAK-STAT pathway up-regulates Procaspase-8 and Bax in Coralyne-UVA induced cancer cell apoptosis.. , 2013, , .		0
38	Cross-Talk Between DNA Damage and Autophagy and Its Implication in Cancer Therapy. , 2020, , 61-76.		0
39	Kilo-scale synthesis and purification of 4,4- <i>t</i> -butyldibenzo]-18-crown-6 and its catalytic reduction to 4,4- <i>t</i> -butyldicyclohexano]-18-crown-6. Reaction Chemistry and Engineering, 0, , .	3.7	0