

# Nandan Bhattacharyya

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

655  
citations

567281

15  
h-index

610901

24  
g-index

41  
all docs

41  
docs citations

41  
times ranked

759  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variant Forms of DNA Polymerase beta in Primary Lung Carcinomas. DNA and Cell Biology, 1999, 18, 549-554.	1.9	61
2	Ratiometric and absolute water-soluble fluorescent tripodal zinc sensor and its application in killing human lung cancer cells. Analyst, The, 2013, 138, 4593.	3.5	57
3	ESIPT based Hg <sup>2+</sup> and fluoride chemosensor for sensitive and selective "turn on" red signal and cell imaging. RSC Advances, 2015, 5, 5735-5740.	3.6	47
4	Alteration of hMSH2 and DNA Polymerase $\beta$ Genes in Breast Carcinomas and Fibroadenomas. Biochemical and Biophysical Research Communications, 1999, 259, 429-435.	2.1	35
5	Green synthesis, characterization, antimicrobial and cytotoxic effect of silver nanoparticles using arabinoxylan isolated from Kalmegh. International Journal of Biological Macromolecules, 2020, 162, 1025-1034.	7.5	35
6	Rapid detection of hydrazine in a naphthol-fused chromenyl loop and its effectiveness in human lung cancer cells: tuning remarkable selectivity via the reaction altered pathway supported by theoretical studies. Organic and Biomolecular Chemistry, 2015, 13, 2134-2139.	2.8	32
7	Biological application of green silver nanoparticle synthesized from leaf extract of Rauvolfia serpentina Benth. Asian Pacific Journal of Tropical Disease, 2016, 6, 549-556.	0.5	30
8	Developing novel zinc(II) and copper(II) Schiff base complexes: combined experimental and theoretical investigation on their DNA/protein binding efficacy and anticancer activity. New Journal of Chemistry, 2020, 44, 18347-18361.	2.8	28
9	Evaluation of Antibacterial Activity and Cytotoxicity of Green Synthesized Silver Nanoparticles Using Scoparia Dulcis. Nano Biomedicine and Engineering, 2015, 7, .	0.9	28
10	A macrocyclic piperazine linked extremely Zn <sup>2+</sup> selective fluorescent chemosensor with bio-imaging and for H <sub>2</sub> PO <sub>4</sub> <sup>3-</sup> sensing. Tetrahedron Letters, 2014, 55, 5993-5997.	1.4	26
11	Structural studies of a water insoluble $\beta$ -glucan from Pleurotus djamor and its cytotoxic effect against PA1, ovarian carcinoma cells. Carbohydrate Polymers, 2019, 222, 114990.	10.2	24
12	Defective DNA repair genes in a primary culture of human renal cell carcinoma. Journal of Cancer Research and Clinical Oncology, 2000, 126, 185-190.	2.5	23
13	A Novel Role of XRCC1 in the Functions of a DNA Polymerase $\beta$ Variant. Biochemistry, 2001, 40, 9005-9013.	2.5	23
14	Structure and biological properties of exopolysaccharide isolated from Citrobacter freundii. International Journal of Biological Macromolecules, 2021, 168, 537-549.	7.5	17
15	Impaired repair activity of a truncated DNA polymerase $\beta$ protein. Life Sciences, 2001, 69, 271-280.	4.3	16
16	A concentration dependent auto-relay-recognition by the same analyte: a dual fluorescence switch-on by hydrogen sulfide via Michael addition followed by reduction and staining for bio-activity. Organic and Biomolecular Chemistry, 2016, 14, 570-576.	2.8	14
17	Structural Characterization of an Exopolysaccharide Isolated from Enterococcus faecalis, and Study on its Antioxidant Activity, and Cytotoxicity Against HeLa Cells. Current Microbiology, 2020, 77, 3125-3135.	2.2	14
18	Easy, selective and colorimetric detection of Zn(II), Cu(II), Fe <sup>3+</sup> ions by a new piperazine based Schiff base chemosensor along with molecular logic gate formation and live cell images study. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 427, 113817.	3.9	14

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19	Heterogeneity in expression of DNA polymerase beta and DNA repair activity in human tumor cell lines. <i>Gene Expression</i> , 2002, 10, 115-23.	1.2	11
20	A Novel Nuclear Protein, MGC5306 Interacts with DNA Polymerase $\beta$ and Has a Potential Role in Cellular Phenotype. <i>Cancer Research</i> , 2004, 64, 7673-7677.	0.9	10
21	Development of DNA intercalative, HSA binder pyridine-based novel Schiff base Cu(II), Ni(II) complexes with effective anticancer property: A combined experimental and theoretical approach. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6473.	3.5	10
22	Alterations of transforming growth factor beta receptor II, insulin growth factor receptor II genes in microsatellite unstable prostate carcinomas. <i>Oncology Reports</i> , 2004, 11, 231-6.	2.6	10
23	Synthesis, characterization, cytotoxicity effect and DNA cleavage study of symmetric dinuclear chloro and azido bridged copper(II) complexes of naphthyl-pyrazole based ligand. <i>Inorganica Chimica Acta</i> , 2018, 482, 621-634.	2.4	9
24	Bactericidal and Cytotoxic Properties of Silver Nanoparticle Synthesized from Root Extract of <i>Asparagus Racemosus</i> . <i>Nano Biomedicine and Engineering</i> , 2016, 8, .	0.9	9
25	Biological and Photocatalytic Activity of Silver Nanoparticle Synthesized from <i>Ehretia laevis</i> Roxb. Leaves Extract. <i>Nano Biomedicine and Engineering</i> , 2020, 12, .	0.9	8
26	Association of Two Polymorphisms of DNA Polymerase Beta in Exon-9 and Exon-11 with Ovarian Carcinoma in India. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 1321-1324.	1.2	8
27	Expression of DNA sequences containing neuron specific enolase gene in <i>Scherichia Coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 231-239.	2.1	7
28	Mammary carcinogenesis in transgenic mice expressing a dominant-negative mutant of DNA polymerase $\beta$ in their mammary glands. <i>Carcinogenesis</i> , 2007, 28, 1356-1363.	2.8	7
29	Piperidine based effective chemosensor for Zn(II) with the formation of binuclear Zn complex having specific Al(III) detection ability in aqueous medium and live cell images. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 415, 113302.	3.9	6
30	Association of a Newly Identified Variant of DNA Polymerase Beta (pG123, 208-304) with the Risk Factor of Ovarian Carcinoma in India. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 1999-2002.	1.2	6
31	Association between newly identified variant form of DNA polymerase beta <sup>G123</sup> 208-304 and ovarian cancer. <i>Cancer Biomarkers</i> , 2012, 11, 155-160.	1.7	5
32	Exon 8-9 Mutations of DNA Polymerase $\beta$ in Ovarian Carcinoma Patients from Haldia, India. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 4183-4186.	1.2	5
33	Development of moderately fluorescence active salen type chemosensor for judicious recognition and quantification of Zn(II), Al(III) and SO <sub>4</sub> <sup>=</sup> : Demonstration of molecular logic gate formation and live cell images studies. <i>Journal of Molecular Structure</i> , 2022, 1263, 133214.	3.6	5
34	Analysis of Alterations in a Base-Excision Repair Gene in Lung Cancer. , 2003, 74, 413-438.		4
35	Response of Ancillary Azide Ligand in Designing a 1D Copper(II) Polymeric Complex along with the Introduction of High DNA- and HAS-Binding Efficacy, Leading to Impressive Anticancer Activity: A Compact Experimental and Theoretical Approach. <i>ACS Omega</i> , 2022, 7, 23276-23288.	3.5	4
36	HeLa Cells Containing a Truncated Form of DNA Polymerase Beta are More Sensitized to Alkylating Agents than to Agents Inducing Oxidative Stress. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 16, 8177-8186.	1.2	3

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37	Identification of an Endoplasmic Reticulum Membrane Protein Interacting with DNA Polymerase Beta by a Yeast Two-Hybrid Screen. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2014, 69, 81-88.	1.4	1
38	Detection of Somatic Mutation in Exon 12 of DNA Polymerase $\beta$ in Ovarian Cancer Tissue Samples. Iranian Biomedical Journal, 2018, 22, 355-359.	0.7	1
39	Alterations of transforming growth factor $\beta$ receptor II, insulin growth factor receptor II genes in microsatellite unstable prostate carcinomas. Oncology Reports, 0, , .	2.6	1
40	Bio-efficacy of nanoparticles in tea garden prepared from Heliotropium indicum. Research on Crops, 2018, 19, 320.	0.1	1
41	PA1 cells containing a truncated DNA polymerase $\beta$ protein are more sensitive to gamma radiation. Radiation Oncology Journal, 2022, 40, 66-78.	1.5	0