

# Alok Kumar Pandey

## List of Publications by Year in descending order

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57  
papers

4,050  
citations

172457

29  
h-index

149698

56  
g-index

58  
all docs

58  
docs citations

58  
times ranked

6254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of protozoa Tetrahymena in toxicological studies: A review. <i>Science of the Total Environment</i> , 2020, 741, 140058.	8.0	34
2	Estimation of measurement uncertainty for the quantitative analysis of pharmaceutical residues in river water using solid-phase extraction coupled with injector port silylation-gas chromatography-tandem mass spectrometry. <i>Microchemical Journal</i> , 2020, 159, 105560.	4.5	11
3	Effect of difenoconazole fungicide on physiological responses and ultrastructural modifications in model organism <i>Tetrahymena pyriformis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109375.	6.0	28
4	Zinc oxide nanoparticles induced gene mutation at the HGPRT locus and cell cycle arrest associated with apoptosis in Vâ€79 cells. <i>Journal of Applied Toxicology</i> , 2019, 39, 735-750.	2.8	20
5	Candle soot derived carbon nanoparticles: Assessment of physico-chemical properties, cytotoxicity and genotoxicity. <i>Chemosphere</i> , 2019, 214, 130-135.	8.2	23
6	In Vivo Micronucleus Assay in Mouse Bone Marrow. <i>Methods in Molecular Biology</i> , 2019, 2031, 135-146.	0.9	8
7	Plasmodiumâ€™Salmonella Coinfection Induces Intense Inflammatory Response, Oxidative Stress, and Liver Damage: A Mice Model Study for Therapeutic Strategy. <i>Shock</i> , 2018, 50, 741-749.	2.1	4
8	Graphene oxideâ€™chloroquine nanoconjugate induce necroptotic death in A549 cancer cells through autophagy modulation. <i>Nanomedicine</i> , 2018, 13, 2261-2282.	3.3	34
9	Chromosomal Aberrations. , 2018, , 69-92.		5
10	Laboratory Scale Microbial Food Chain To Study Bioaccumulation, Biomagnification, and Ecotoxicity of Cadmium Telluride Quantum Dots. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1695-1706.	10.0	37
11	Impaired lysosomal activity mediated autophagic flux disruption by graphite carbon nanofibers induce apoptosis in human lung epithelial cells through oxidative stress and energetic impairment. <i>Particle and Fibre Toxicology</i> , 2017, 14, 15.	6.2	59
12	Impact of anatase titanium dioxide nanoparticles on mutagenic and genotoxic response in Chinese hamster lung fibroblast cells (V-79): The role of cellular uptake. <i>Food and Chemical Toxicology</i> , 2017, 105, 127-139.	3.6	34
13	Zinc oxide nanoparticle induced age dependent immunotoxicity in BALB/c mice. <i>Toxicology Research</i> , 2017, 6, 342-352.	2.1	20
14	Physico-chemical properties based differential toxicity of graphene oxide/reduced graphene oxide in human lung cells mediated through oxidative stress. <i>Scientific Reports</i> , 2016, 6, 39548.	3.3	96
15	UVB irradiation-enhanced zinc oxide nanoparticles-induced DNA damage and cell death in mouse skin. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 807, 15-24.	1.7	32
16	Chromium oxide nanoparticleâ€™induced genotoxicity and p53â€™dependent apoptosis in human lung alveolar cells. <i>Journal of Applied Toxicology</i> , 2015, 35, 1179-1188.	2.8	24
17	Bucky Tubes Induce Oxidative Stress Mediated Cell Death in Human Lung Cells. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	2
18	ZnO nanoparticles induced inflammatory response and genotoxicity in human blood cells: A mechanistic approach. <i>Food and Chemical Toxicology</i> , 2015, 85, 61-70.	3.6	85

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19	Cerium Oxide Nanoparticles Induced Toxicity in Human Lung Cells: Role of ROS Mediated DNA Damage and Apoptosis. <i>BioMed Research International</i> , 2014, 2014, 1-14.	1.9	149
20	Titanium dioxide nanoparticle-induced oxidative stress triggers DNA damage and hepatic injury in mice. <i>Nanomedicine</i> , 2014, 9, 1423-1434.	3.3	132
21	Polycyclic aromatic hydrocarbons and their quinones modulate the metabolic profile and induce DNA damage in human alveolar and bronchiolar cells. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 553-565.	4.3	53
22	TiO <sub>2</sub> nanoparticles induce oxidative DNA damage and apoptosis in human liver cells. <i>Nanotoxicology</i> , 2013, 7, 48-60.	3.0	220
23	In-Vivo Efficacy of Compliant 3D Nano-Composite in Critical-Size Bone Defect Repair: a Six Month Preclinical Study in Rabbit. <i>PLoS ONE</i> , 2013, 8, e77578.	2.5	17
24	Evaluation of Sample Recovery Efficiency for Bacteriophage P22 on Fomites. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7915-7922.	3.1	23
25	DNA and oxidative damage induced in somatic organs and tissues of mouse by municipal sludge leachate. <i>Toxicology and Industrial Health</i> , 2012, 28, 614-623.	1.4	26
26	Environmental applications and potential health implications of quantum dots. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	28
27	Mechanism of Inhibition of the ATPase Domain of Human Topoisomerase III $\alpha$ by 1,4-Benzoquinone, 1,2-Naphthoquinone, 1,4-Naphthoquinone, and 9,10-Phenanthroquinone. <i>Toxicological Sciences</i> , 2012, 126, 372-390.	3.1	33
28	Induction of oxidative stress, DNA damage and apoptosis in mouse liver after sub-acute oral exposure to zinc oxide nanoparticles. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 745, 84-91.	1.7	383
29	Microorganisms: A Versatile Model for Toxicity Assessment of Engineered Nanoparticles. , 2012, , 497-524.		2
30	ROS-mediated genotoxicity induced by titanium dioxide nanoparticles in human epidermal cells. <i>Toxicology in Vitro</i> , 2011, 25, 231-241.	2.4	461
31	Toxicity Assessment of Engineered Nanomaterials: Resolving the Challenges. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 6-7.	1.1	16
32	Titanium Dioxide Nanoparticles Induce Oxidative Stress-Mediated Apoptosis in Human Keratinocyte Cells. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 100-101.	1.1	80
33	Cytotoxicity and Genotoxicity Property of Hydroxyapatite-Mullite Eluates. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 74-75.	1.1	12
34	Toxicity Evaluation of Carbon Nanotubes in Normal Human Bronchial Epithelial Cells. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 108-109.	1.1	13
35	Engineered ZnO and TiO <sub>2</sub> nanoparticles induce oxidative stress and DNA damage leading to reduced viability of <i>Escherichia coli</i> . <i>Free Radical Biology and Medicine</i> , 2011, 51, 1872-1881.	2.9	410
36	Cellular uptake and mutagenic potential of metal oxide nanoparticles in bacterial cells. <i>Chemosphere</i> , 2011, 83, 1124-1132.	8.2	210

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37	Determination of Internalization of Chromium Oxide Nano-Particles in <i>Escherichia coli</i> by Flow Cytometry. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 168-169.	1.1	14
38	A flow cytometric method to assess nanoparticle uptake in bacteria. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 707-712.	1.5	65
39	C <sub>60</sub> -Fullerene Binds with the ATP Binding Domain of Human DNA Topoisomerase II Alpha. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 177-178.	1.1	29
40	Toxicity of Graphene in Normal Human Lung Cells (BEAS-2B). <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 106-107.	1.1	141
41	Interaction of C <sub>60</sub> Fullerene with the Proteins Involved in DNA Mismatch Repair Pathway. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 179-180.	1.1	19
42	Expression profiling of toxicity pathway genes by real-time PCR array in cypermethrin-exposed mouse brain. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 193-199.	2.7	15
43	Cellular Response to Metal Oxide Nanoparticles in Bacteria. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 102-103.	1.1	18
44	Stable Metal Oxide Nanoparticle Formulation for Toxicity Studies. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 104-105.	1.1	2
45	Implications of Limits of Detection of Various Methods for <i>Bacillus anthracis</i> in Computing Risks to Human Health. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6331-6339.	3.1	33
46	In silico studies with human DNA topoisomerase-II alpha to unravel the mechanism of in vitro genotoxicity of benzene and its metabolites. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 661, 57-70.	1.0	37
47	Multipronged evaluation of genotoxicity in Indian petrol pump workers. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 695-707.	2.2	34
48	In vitro induction of cytotoxicity and DNA strand breaks in CHO cells exposed to cypermethrin, pendimethalin and dichlorvos. <i>Toxicology in Vitro</i> , 2007, 21, 1409-1418.	2.4	71
49	DNA damage induced in human peripheral blood lymphocytes by industrial solid waste and municipal sludge leachates. <i>Environmental and Molecular Mutagenesis</i> , 2007, 48, 30-37.	2.2	58
50	Stable Colloidal Dispersions of C60 Fullerenes in Water: Evidence for Genotoxicity. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7394-7401.	10.0	264
51	Cypermethrin-induced DNA damage in organs and tissues of the mouse: Evidence from the comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 607, 176-183.	1.7	100
52	DNA damage in lymphocytes of Indian rickshaw pullers as measured by the alkaline comet assay. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 25-30.	2.2	12
53	DNA damage and mutagenicity induced by endosulfan and its metabolites. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 682-692.	2.2	75
54	DNA damage in lymphocytes of rural Indian women exposed to biomass fuel smoke as assessed by the Comet assay. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 435-441.	2.2	40

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55	Current Status of Short-Term Tests for Evaluation of Genotoxicity, Mutagenicity, and Carcinogenicity of Environmental Chemicals and NCEs. Toxicology Mechanisms and Methods, 2005, 15, 155-180.	2.7	31
56	Comet assay responses in human lymphocytes are not influenced by the menstrual cycle: a study in healthy Indian females. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 565, 163-172.	1.7	69
57	Gender-related differences in basal DNA damage in lymphocytes of a healthy Indian population using the alkaline Comet assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 520, 83-91.	1.7	97