

# Manosij Ghosh

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

4,171  
citations

201674

27  
h-index

123424

61  
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86  
all docs

86  
docs citations

86  
times ranked

6378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10
2	Genotoxicity of titanium dioxide (TiO <sub>2</sub> ) nanoparticles at two trophic levels: Plant and human lymphocytes. Chemosphere, 2010, 81, 1253-1262.	8.2	397
3	In vitro and in vivo genotoxicity of silver nanoparticles. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 749, 60-69.	1.7	194
4	Effects of ZnO nanoparticles in plants: Cytotoxicity, genotoxicity, deregulation of antioxidant defenses, and cell-cycle arrest. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 807, 25-32.	1.7	158
5	MWCNT uptake in Allium cepa root cells induces cytotoxic and genotoxic responses and results in DNA hyper-methylation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 774, 49-58.	1.0	129
6	Maternal intake of methyl-group donors affects DNA methylation of metabolic genes in infants. Clinical Epigenetics, 2017, 9, 16.	4.1	129
7	Dietary and supplemental maternal methyl-group donor intake and cord blood DNA methylation. Epigenetics, 2017, 12, 1-10.	2.7	112
8	Multi-walled carbon nanotubes (MWCNT): Induction of DNA damage in plant and mammalian cells. Journal of Hazardous Materials, 2011, 197, 327-336.	12.4	109
9	Cytotoxic, genotoxic and the hemolytic effect of titanium dioxide (TiO <sub>2</sub> ) nanoparticles on human erythrocyte and lymphocyte cells <i>in vitro</i> . Journal of Applied Toxicology, 2013, 33, 1097-1110.	2.8	109
10	Evaluation of toxicity of essential oils palmarosa, citronella, lemongrass and vetiver in human lymphocytes. Food and Chemical Toxicology, 2014, 68, 71-77.	3.6	96
11	Biosynthesis and safety evaluation of ZnO nanoparticles. Bioprocess and Biosystems Engineering, 2014, 37, 165-171.	3.4	81
12	Cyto-genotoxicity and oxidative stress induced by zinc oxide nanoparticle in human lymphocyte cells <i>in vitro</i> and Swiss albino male mice <i>in vivo</i> . Food and Chemical Toxicology, 2016, 97, 286-296.	3.6	65
13	Differences in MWCNT- and SWCNT-induced DNA methylation alterations in association with the nuclear deposition. Particle and Fibre Toxicology, 2018, 15, 11.	6.2	57
14	From inequitable to sustainable e-waste processing for reduction of impact on human health and the environment. Environmental Research, 2021, 194, 110728.	7.5	55
15	Use of the grass, Vetiveria zizanioides (L.) Nash for detoxification and phytoremediation of soils contaminated with fly ash from thermal power plants. Ecological Engineering, 2015, 74, 258-265.	3.6	49
16	Evaluation of multi-endpoint assay to detect genotoxicity and oxidative stress in mice exposed to sodium fluoride. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 751, 59-65.	1.7	48
17	Epigenetic effects of carbon nanotubes in human monocytic cells. Mutagenesis, 2017, 32, 181-191.	2.6	46
18	Assessment of Human Health Risks Posed by Nano-and Microplastics Is Currently Not Feasible. International Journal of Environmental Research and Public Health, 2020, 17, 8832.	2.6	45

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19	Genotoxicity of engineered nanoparticles in higher plants. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 842, 132-145.	1.7	43
20	Changes in DNA methylation induced by multi-walled carbon nanotube exposure in the workplace. <i>Nanotoxicology</i> , 2017, 11, 1195-1210.	3.0	41
21	Risk of Cancer for Workers Exposed to Antimony Compounds: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4474.	2.6	41
22	Sodium Fluoride Promotes Apoptosis by Generation of Reactive Oxygen Species in Human Lymphocytes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 1269-1280.	2.3	36
23	Cyto-genotoxic and DNA methylation changes induced by different crystal phases of TiO <sub>2</sub> -np in bronchial epithelial (16-HBE) cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 796, 1-12.	1.0	35
24	Epigenetic and miRNA Expression Changes in People with Pain: A Systematic Review. <i>Journal of Pain</i> , 2020, 21, 763-780.	1.4	35
25	The Interplay between Oxidative Stress, Exercise, and Pain in Health and Disease: Potential Role of Autonomic Regulation and Epigenetic Mechanisms. <i>Antioxidants</i> , 2020, 9, 1166.	5.1	32
26	Induction and recovery of CpG site specific methylation changes in human bronchial cells after long-term exposure to carbon nanotubes and asbestos. <i>Environment International</i> , 2020, 137, 105530.	10.0	30
27	Vetiver oil (Java) attenuates cisplatin-induced oxidative stress, nephrotoxicity and myelosuppression in Swiss albino mice. <i>Food and Chemical Toxicology</i> , 2015, 81, 120-128.	3.6	29
28	The Influence of the Duration of Breastfeeding on the Infant's Metabolic Epigenome. <i>Nutrients</i> , 2019, 11, 1408.	4.1	29
29	Green conversion of graphene oxide to graphene nanosheets and its biosafety study. <i>PLoS ONE</i> , 2017, 12, e0171607.	2.5	28
30	Carbon Nanotube- and Asbestos-Induced DNA and RNA Methylation Changes in Bronchial Epithelial Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 850-860.	3.3	28
31	DNA Methylation and Brain-Derived Neurotrophic Factor Expression Account for Symptoms and Widespread Hyperalgesia in Patients With Chronic Fatigue Syndrome and Comorbid Fibromyalgia. <i>Arthritis and Rheumatology</i> , 2020, 72, 1936-1944.	5.6	28
32	Increased methylation of NR3C1 and SLC6A4 is associated with blunted cortisol reactivity to stress in major depression. <i>Neurobiology of Stress</i> , 2020, 13, 100272.	4.0	25
33	Exposure to Polycyclic Aromatic Hydrocarbons Leads to Non-monotonic Modulation of DNA and RNA (hydroxy)methylation in a Rat Model. <i>Scientific Reports</i> , 2018, 8, 10577.	3.3	24
34	The effect of paternal methyl-group donor intake on offspring DNA methylation and birth weight. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 311-321.	1.4	21
35	Single-walled and multi-walled carbon nanotubes induce sequence-specific epigenetic alterations in 16 HBE cells. <i>Oncotarget</i> , 2018, 9, 20351-20365.	1.8	21
36	Hazard identification of coal fly ash leachate using a battery of cyto-genotoxic and biochemical tests in <i>Allium cepa</i> . <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1443-1453.	2.6	20

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37	Exhaled Breath Analysis in Diagnosis of Malignant Pleural Mesothelioma: Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1110.	2.6	18
38	Body distribution of SiO <sub>2</sub> –Fe <sub>3</sub> O <sub>4</sub> core-shell nanoparticles after intravenous injection and intratracheal instillation. <i>Nanotoxicology</i> , 2016, 10, 567-574.	3.0	17
39	Quantum squirrel inspired algorithm for gene selection in methylation and expression data of prostate cancer. <i>Applied Soft Computing Journal</i> , 2021, 105, 107221.	7.2	16
40	Survival of human dental pulp cells after 4-week culture in human tooth model. <i>Journal of Dentistry</i> , 2019, 86, 33-40.	4.1	15
41	Distinct autophagy-apoptosis related pathways activated by Multi-walled (NM 400) and Single-walled carbon nanotubes (NIST-SRM2483) in human bronchial epithelial (16HBE14o-) cells. <i>Journal of Hazardous Materials</i> , 2020, 387, 121691.	12.4	15
42	Epigenetic perspective on the role of brain-derived neurotrophic factor in burnout. <i>Translational Psychiatry</i> , 2020, 10, 354.	4.8	15
43	Applying the exposome concept to working life health. <i>Environmental Epidemiology</i> , 2022, 6, e185.	3.0	15
44	Antimutagenic and genoprotective effects of <i>Saraca asoca</i> bark extract. <i>Toxicology and Industrial Health</i> , 2015, 31, 696-703.	1.4	14
45	Genotoxicity of ethylene oxide: A review of micronucleus assay results in human population. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 84-91.	5.5	14
46	Interplay of Val66Met and BDNF methylation: effect on reward learning and cognitive performance in major depression. <i>Clinical Epigenetics</i> , 2021, 13, 149.	4.1	14
47	Cytotoxic and genotoxic potential of respirable fraction of composite dust on human bronchial cells. <i>Dental Materials</i> , 2020, 36, 270-283.	3.5	13
48	Agglomeration State of Titanium-Dioxide (TiO <sub>2</sub> ) Nanomaterials Influences the Dose Deposition and Cytotoxic Responses in Human Bronchial Epithelial Cells at the Air-Liquid Interface. <i>Nanomaterials</i> , 2021, 11, 3226.	4.1	11
49	Genotoxicity of antiobesity drug orlistat and effect of caffeine intervention: an <i>in vitro</i> study. <i>Drug and Chemical Toxicology</i> , 2017, 40, 339-343.	2.3	10
50	Global and gene-specific DNA methylation effects of different asbestos fibres on human bronchial epithelial cells. <i>Environment International</i> , 2018, 115, 301-311.	10.0	10
51	Increased telomere length and mtDNA copy number induced by multi-walled carbon nanotube exposure in the workplace. <i>Journal of Hazardous Materials</i> , 2020, 394, 122569.	12.4	10
52	Biological activity of dendrimer–methylglyoxal complexes for improved therapeutic efficacy against malignant cells. <i>RSC Advances</i> , 2016, 6, 6631-6642.	3.6	8
53	The EXIMIOUS project—Mapping exposure-induced immune effects: connecting the exposome and the immunome. <i>Environmental Epidemiology</i> , 2022, 6, e193.	3.0	8
54	Neurotoxicity of four frequently used nanoparticles: a systematic review to reveal the missing data. <i>Archives of Toxicology</i> , 2022, 96, 1141-1212.	4.2	8

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55	High-altitude medicines: A short-term genotoxicity study. <i>Toxicology and Industrial Health</i> , 2010, 26, 417-424.	1.4	7
56	Maternal Vitamin D and Newborn Telomere Length. <i>Nutrients</i> , 2021, 13, 2012.	4.1	7
57	Assessing the Toxicological Relevance of Nanomaterial Agglomerates and Aggregates Using Realistic Exposure In Vitro. <i>Nanomaterials</i> , 2021, 11, 1793.	4.1	7
58	Role of NR3C1 and SLC6A4 methylation in the HPA axis regulation in burnout. <i>Journal of Affective Disorders</i> , 2021, 295, 505-512.	4.1	7
59	Exposure to silicates and systemic autoimmune-related outcomes in rodents: a systematic review. <i>Particle and Fibre Toxicology</i> , 2022, 19, 4.	6.2	7
60	Effect of Graphene and Graphene Oxide on Airway Barrier and Differential Phosphorylation of Proteins in Tight and Adherens Junction Pathways. <i>Nanomaterials</i> , 2021, 11, 1283.	4.1	6
61	Comparative evaluation of promutagens o-PDA, m-PDA and MH for genotoxic response in root cells of <i>Allium cepa</i> L. <i>Nucleus (India)</i> , 2010, 53, 45-50.	2.2	5
62	Comprehensive analysis of fly ash induced changes in physiological/growth parameters, DNA damage and oxidative stress over the life cycle of <i>Brassica juncea</i> and <i>Brassica alba</i> . <i>Chemosphere</i> , 2017, 186, 616-624.	8.2	5
63	Studies of the interactions of 4-carboxyl-2,6-dinitrophenylazohydroxynaphthalenes with CT-DNA in aqueous medium. <i>Journal of Molecular Liquids</i> , 2012, 174, 17-25.	4.9	4
64	Vivipary in <i>Hedychium elatum</i> (Zingiberaceae). <i>Phytotaxa</i> , 2013, 130, 55.	0.3	4
65	Photo-physical investigation of the binding interactions of alumina nanoparticles with calf thymus DNA. <i>Nucleus (India)</i> , 2019, 62, 251-257.	2.2	4
66	Identifying nanodescriptors to predict the toxicity of nanomaterials: a case study on titanium dioxide. <i>Environmental Science: Nano</i> , 2021, 8, 580-590.	4.3	4
67	Telomere length and outcome of treatment for pulmonary tuberculosis in a gold mining community. <i>Scientific Reports</i> , 2021, 11, 4031.	3.3	4
68	Epigenetic Mechanisms in Understanding Nanomaterial-Induced Toxicity. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 195-223.	1.6	4
69	Remediation of Mine Tailings and Fly Ash Dumpsites: Role of Poaceae Family Members and Aromatic Grasses. , 2017, , 117-167.		3
70	Spectrophotometric and thermodynamic studies of the interactions of 4-carboxyl-2,6-dinitrophenylazohydroxynaphthalenes with bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 1038-1046.	3.9	2
71	DNA methylation changes in workers occupational exposed to carbon nanotubes. , 2016, , .		2
72	Genotoxicity evaluation of 4-carboxyl- 2,6-dinitrophenylazohydroxynaphthalenes in mice. <i>Toxicology and Industrial Health</i> , 2014, 30, 393-404.	1.4	1

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73	Methods of In Vitro and In Vivo Nanotoxicity Evaluation in Plants. , 2018, , 281-304.		1
74	The Parental Pesticide and Offspringâ€™s Epigenome Study: Towards an Integrated Use of Human Biomonitoring of Exposure and Effect Biomarkers. Toxics, 2021, 9, 332.	3.7	1
75	O18-1â€™...Epigenetic effects of occupational exposure to carbon nanotubes. , 2016, , .		0
76	429â€™...Signature of epigenetic alterations induced by carbon nanotube- <i>in vitro</i> and <i>in vivo</i> and in workers. , 2018, , .		0
77	Environmental and occupational genotoxins. Nucleus (India), 2019, 62, 189-190.	2.2	0
78	O6D.2â€™...Evidence of dna methylation changes by carbon nanotubes in a translational study design. Occupational and Environmental Medicine, 2019, 76, A57.2-A57.	2.8	0
79	P.498 The role of brain-derived neurotrophic factor in the biological mechanisms of burnout: epigenetic perspective. European Neuropsychopharmacology, 2019, 29, S349.	0.7	0
80	The Micronucleus Assay as a Cytogenetic Biomarker of Ethylene Oxide Exposure. Issues in Toxicology, 2019, , 583-600.	0.1	0
81	S-135â€™...Applying the exposome concept to working-life health: The EU EPHOR project. , 2021, , .		0
82	S-234â€™...Strategies for monitoring of the internal exposome using self-sampling methods in the context of EU EPHOR project. , 2021, , .		0