Anita Mukherjee

List of Publications by Year
in descending order

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104 papers	3,661 citations	126708 33 h-index	143772 57 g-index
104 all docs	104 docs citations	104 times ranked	5235 citing authors

#	Article	IF	Citations
1	Metallo-adaptive response: a unique survival strategy of plants under genotoxic stress. Nucleus (India), 2022, 65, 99-106.	0.9	4
2	Vetiver Grass Environmental Model for Rehabilitation of Iron Overburden Soil: An Ecosystem Service Approach. The National Academy of Sciences, India, 2022, 45, 185-190.	0.8	1
3	Investigating the underlying mechanism of cadmium-induced plant adaptive response to genotoxic stress. Ecotoxicology and Environmental Safety, 2021, 209, 111817.	2.9	19
4	Cadmium selenide (CdSe) quantum dots cause genotoxicity and oxidative stress in Allium cepa plants. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2021, 865, 503338.	0.9	13
5	Genotoxicity analysis of rutile titanium dioxide nanoparticles in mice after 28Âdays of repeated oral administration. Nucleus (India), 2020, 63, 17-24.	0.9	9
6	Poly(dimethylsiloxane) Induces Cytotoxicity and Genotoxicity in Human Lymphocytes. Proceedings of the Zoological Society, 2020, 73, 82-85.	0.4	1
7	Genotoxicity and biocompatibility of superparamagnetic iron oxide nanoparticles: Influence of surface modification on biodistribution, retention, DNA damage and oxidative stress. Food and Chemical Toxicology, 2020, 136, 110989.	1.8	39
8	Effect of low-dose exposure of aluminium oxide nanoparticles in Swiss albino mice: Histopathological changes and oxidative damage. Toxicology and Industrial Health, 2020, 36, 567-579.	0.6	21
9	Phytoextraction of heavy metals from coal fly ash for restoration of fly ash dumpsites. Bioremediation Journal, 2020, 24, 41-49.	1.0	12
10	Genotoxicity of nanoscale zerovalent iron particles in tobacco BY-2 cells. Nucleus (India), 2019, 62, 211-219.	0.9	1
11	Nanoscale zerovalent iron particles induce differential cytotoxicity, genotoxicity, oxidative stress and hemolytic responses in human lymphocytes and erythrocytes in vitro. Journal of Applied Toxicology, 2019, 39, 1623-1639.	1.4	3
12	Environmental and occupational genotoxins. Nucleus (India), 2019, 62, 189-190.	0.9	0
13	Photo-physical investigation of the binding interactions of alumina nanoparticles with calf thymus DNA. Nucleus (India), 2019, 62, 251-257.	0.9	4
14	Vetiver grass is a potential candidate for phytoremediation of iron ore mine spoil dumps. Ecological Engineering, 2019, 132, 120-136.	1.6	38
15	Potential antigenotoxicity assessment of Ziziphus jujuba fruit. Heliyon, 2019, 5, e01768.	1.4	13
16	Manganese oxide nanoparticles induce genotoxicity and DNA hypomethylation in the moss Physcomitrella patens. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 842, 146-157.	0.9	25
17	Genotoxicity of engineered nanoparticles in higher plants. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 842, 132-145.	0.9	43
18	Role of cerium oxide nanoparticle-induced autophagy as a safeguard to exogenous H2O2-mediated DNA damage in tobacco BY-2 cells. Mutagenesis, 2018, 33, 161-177.	1.0	25

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19	Nanopriming with zero valent iron (nZVI) enhances germination and growth in aromatic rice cultivar (Oryza sativa cv. Gobindabhog L.). Plant Physiology and Biochemistry, 2018, 127, 403-413.	2.8	95
20	Betulinic acid induces DNA damage and apoptosis in SiHa cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 828, 1-9.	0.9	25
21	Oxidative stress responses of two different ecophysiological species of earthworms (Eutyphoeus) Tj ETQq1 1 0.784314 rgBT /Overloc	4.2	53
22	Stabilization of Iron Ore Mine Spoil Dump Sites With Vetiver System. , 2018, , 393-413.		2
23	Hazard identification of coal fly ash leachate using a battery of cyto-genotoxic and biochemical tests in Allium cepa. Archives of Agronomy and Soil Science, 2017, 63, 1443-1453.	1.3	20
24	Toxicity assessment of zero valent iron nanoparticles on Artemia salina. Environmental Toxicology, 2017, 32, 1617-1627.	2.1	20
25	Remediation of Mine Tailings and Fly Ash Dumpsites: Role of Poaceae Family Members and Aromatic Grasses. , 2017, , 117-167.		3
26	In planta genotoxicity of nZVI: influence of colloidal stability on uptake, DNA damage, oxidative stress and cell death. Mutagenesis, 2017, 32, 371-387.	1.0	50
27	Toxicity, accumulation, and trophic transfer of chemically and biologically synthesized nano zero valent iron in a two species freshwater food chain. Aquatic Toxicology, 2017, 183, 63-75.	1.9	29
28	Malathion and dithane induce DNA damage in Vicia faba. Toxicology and Industrial Health, 2017, 33, 843-854.	0.6	5
29	Comprehensive analysis of fly ash induced changes in physiological/growth parameters, DNA damage and oxidative stress over the life cycle of Brassica juncea and Brassica alba. Chemosphere, 2017, 186, 616-624.	4.2	5
30	Mycobacterial heat shock protein 65 mediated metabolic shift in decidualization of human endometrial stromal cells. Scientific Reports, 2017, 7, 3942.	1.6	3
31	Genotoxicity of antiobesity drug orlistat and effect of caffeine intervention: an in vitro study. Drug and Chemical Toxicology, 2017, 40, 339-343.	1.2	10
32	Green conversion of graphene oxide to graphene nanosheets and its biosafety study. PLoS ONE, 2017, 12, e0171607.	1.1	28
33	In Vitro Cyto-genotoxicity of Hydroxycitric Acid: A Weight-loss Dietary Supplement. Journal of Exploratory Research in Pharmacology, 2017, 2, 41-48.	0.2	4
34	Comet assay based detection of SPION induced DNA damage in human lymphocytes. , 2016, , .		0
35	Evaluation of genotoxicity and oxidative stress of aluminium oxide nanoparticles and its bulk form in Allium cepa. Nucleus (India), 2016, 59, 219-225.	0.9	26
36	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.	0.9	158

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37	Cyto-genotoxicity and oxidative stress induced by zinc oxide nanoparticle in human lymphocyte cells inÂvitro and Swiss albino male mice inÂvivo. Food and Chemical Toxicology, 2016, 97, 286-296.	1.8	65
38	Identification of serum metabolic markers for diagnosis of women with dormant genital tuberculosis. Metabolomics, 2016, 12, 1.	1.4	2
39	Surface capping and size-dependent toxicity of gold nanoparticles on different trophic levels. Environmental Science and Pollution Research, 2016, 23, 4844-4858.	2.7	67
40	Vetiver grass: An environment clean-up tool for heavy metal contaminated iron ore mine-soil. Ecological Engineering, 2016, 90, 25-34.	1.6	83
41	Argemone oil induces genotoxicity in mice. Drug and Chemical Toxicology, 2016, 39, 407-411.	1.2	8
42	Biological activity of dendrimerâ€“methylglyoxal complexes for improved therapeutic efficacy against malignant cells. RSC Advances, 2016, 6, 6631-6642.	1.7	8
43	Evaluation of genetic damage in tobacco and arsenic exposed population of Southern Assam, India using buccal cytome assay and comet assay. Ecotoxicology and Environmental Safety, 2016, 124, 169-176.	2.9	23
44	Garcinia indica fruit extract induces genotoxicity in mice. Nucleus (India), 2016, 59, 1-6.	0.9	2
45	Vetiver oil (Java) attenuates cisplatin-induced oxidative stress, nephrotoxicity and myelosuppression in Swiss albino mice. Food and Chemical Toxicology, 2015, 81, 120-128.	1.8	29
46	Cytotoxicity of aluminum oxide nanoparticles on Allium cepa root tipâ€”effects of oxidative stress generation and biouptake. Environmental Science and Pollution Research, 2015, 22, 11057-11066.	2.7	97
47	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.	0.4	129
48	Cytogenetic studies of chromium (III) oxide nanoparticles on Allium cepa root tip cells. Journal of Environmental Sciences, 2015, 38, 150-157.	3.2	31
49	Antimutagenic and genoprotective effects of Saraca asoca bark extract. Toxicology and Industrial Health, 2015, 31, 696-703.	0.6	14
50	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.	1.6	49
51	Sodium Fluoride Promotes Apoptosis by Generation of Reactive Oxygen Species in Human Lymphocytes. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 1269-1280.	1.1	36
52	Evaluation of toxicity of essential oils palmarosa, citronella, lemongrass and vetiver in human lymphocytes. Food and Chemical Toxicology, 2014, 68, 71-77.	1.8	96
53	Genotoxicity evaluation of 4-carboxyl- 2,6-dinitrophenylazohydroxynaphthalenes in mice. Toxicology and Industrial Health, 2014, 30, 393-404.	0.6	1
54	Biosynthesis and safety evaluation of ZnO nanoparticles. Bioprocess and Biosystems Engineering, 2014, 37, 165-171.	1.7	81

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55	Cytomorphological Studies of <i>Aloe variegata</i> L. and <i>Aloe zebrina</i> Baker (Xanthorrhoeaceae) by an Image Analyzing System. Cytologia, 2014, 79, 281-286.	0.2	1
56	Lead induced genotoxicity and cytotoxicity in root cells of Allium cepa and Vicia faba. Nucleus (India), 2013, 56, 183-189.	0.9	12
57	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.	0.9	48
58	Cytotoxic, genotoxic and the hemolytic effect of titanium dioxide (TiO₂) nanoparticles on human erythrocyte and lymphocyte cells in vitro. Journal of Applied Toxicology, 2013, 33, 1097-1110.	1.4	109
59	Genotoxicity Testing of Two Anticaking Agents: Sodium and Potassium Ferrocyanide in vitro. International Journal of Human Genetics, 2013, 13, 21-25.	0.1	2
60	Vivipary in Hedychium elatum (Zingiberaceae). Phytotaxa, 2013, 130, 55.	0.1	4
61	In vitro and in vivo genotoxicity of silver nanoparticles. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 749, 60-69.	0.9	194
62	Karyomorphology of three species of Haworthia Duval (Xanthorrhoeaceae). Nucleus (India), 2012, 55, 143-148.	0.9	3
63	In vitro genotoxicity evaluation of 4-carboxyl-2,6-dinitrophenylazohydroxynaphthalenes using human lymphocytes. Food and Chemical Toxicology, 2012, 50, 936-941.	1.8	11
64	Studies of the interactions of 4-carboxyl-2,6-dinitrophenylazohydroxynaphthalenes with CT-DNA in aqueous medium. Journal of Molecular Liquids, 2012, 174, 17-25.	2.3	4
65	Spectrophotometric and thermodynamic studies of the interactions of 4-carboxyl-2,6-dinitrophenylazohydroxynaphthalenes with bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 1038-1046.	2.0	2
66	Genotoxicity assessment of soil contamination: a case study from Farakka coal-fired power plant in eastern India. Nucleus (India), 2012, 55, 45-50.	0.9	2
67	Sensitivity of Allium and Nicotiana in cellular and acellular comet assays to assess differential genotoxicity of direct and indirect acting mutagens. Ecotoxicology and Environmental Safety, 2011, 74, 860-865.	2.9	18
68	Antigenotoxic and antioxidant activities of palmarosa and citronella essential oils. Journal of Ethnopharmacology, 2011, 137, 1521-1527.	2.0	36
69	Multi-walled carbon nanotubes (MWCNT): Induction of DNA damage in plant and mammalian cells. Journal of Hazardous Materials, 2011, 197, 327-336.	6.5	109
70	High-altitude medicines: A short-term genotoxicity study. Toxicology and Industrial Health, 2010, 26, 417-424.	0.6	7
71	Comparative evaluation of promutagens o-PDA, m-PDA and MH for genotoxic response in root cells of Allium cepa L.. Nucleus (India), 2010, 53, 45-50.	0.9	5
72	Genotoxicity of titanium dioxide (TiO2) nanoparticles at two trophic levels: Plant and human lymphocytes. Chemosphere, 2010, 81, 1253-1262.	4.2	397

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73	Technical Note: Vetiver Can Grow on Coal Fly Ash Without DNA Damage. International Journal of Phytoremediation, 2010, 13, 206-214.	1.7	21
74	Evaluation of genotoxicity of coal fly ash in Allium cepa root cells by combining comet assay with the Allium test. Environmental Monitoring and Assessment, 2009, 153, 351-357.	1.3	94
75	Mutagenicity and genotoxicity of coal fly ash water leachate. Ecotoxicology and Environmental Safety, 2009, 72, 838-842.	2.9	71
76	DNA repair deficiency leads to susceptibility to develop arsenicâ€induced premalignant skin lesions. International Journal of Cancer, 2008, 123, 283-287.	2.3	55
77	DNA damage in potato plants induced by cadmium, ethyl methanesulphonate and Î³-rays. Environmental and Experimental Botany, 2008, 62, 113-119.	2.0	70
78	Genotoxicity Testing of Low-Calorie Sweeteners: Aspartame, Acesulfame-K, and Saccharin. Drug and Chemical Toxicology, 2008, 31, 447-457.	1.2	109
79	Investigation on the Genotoxic Effects of Long-Term Administration of Sodium Arsenite in Bone Marrow and Testicular Cells In Vivo Using the Comet Assay. Journal of Environmental Pathology, Toxicology and Oncology, 2007, 26, 29-37.	0.6	38
80	DNA staining with the fluorochromes EtBr, DAPI and YOYO-1 in the comet assay with tobacco plants after treatment with ethyl methanesulphonate, hyperthermia and DNase-I. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 605, 17-21.	0.9	39
81	Evaluation of the nuclear DNA Diffusion Assay to detect apoptosis and necrosis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 586, 38-46.	0.9	26
82	Sanguinarine: an evaluation of in vivo cytogenetic activity. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 563, 81-87.	0.9	26
83	Genotoxicity Testing of the Food Colours Amaranth and Tartrazine. International Journal of Human Genetics, 2004, 4, 277-280.	0.1	36
84	Clastogenic effect of ginger rhizome in mice. Phytotherapy Research, 2000, 14, 555-557.	2.8	11
85	In vivo cytogenetic studies on blends of aspartame and acesulfame-K. Food and Chemical Toxicology, 2000, 38, 75-77.	1.8	35
86	Inhibition of clastogenic effect of cyclophosphamide and mitomycin C by Neem leaf-extract in mice. , 1998, 12, 409-412.		4
87	Studies on the anticlastogenic effect of turmeric and curcumin on cyclophosphamide and mitomycin C In Vivo. Food and Chemical Toxicology, 1998, 36, 73-76.	1.8	31
88	Genotoxicity of Sennosides on the Bone Marrow Cells of Mice. Food and Chemical Toxicology, 1998, 36, 937-940.	1.8	32
89	In vivo cytogenetic studies on mice exposed to acesulfame-Kâ€"A non-nutritive sweetener. Food and Chemical Toxicology, 1997, 35, 1177-1179.	1.8	66
90	Phenethyl isotiocyanate modulates clastogenicity of mitomycin C and cyclophosphamide in vivo. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 371, 159-164.	1.2	12

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91	Inhibition by capsaicin against cyclophosphamide-induced clastogenicity and DNA damage in mice. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1995, 335, 253-258.	0.4	24
92	In vivo cytogenetic studies on mice exposed to natural food colourings. Food and Chemical Toxicology, 1994, 32, 837-838.	1.8	11
93	Ciprofloxacin: mammalian DNA topoisomerase type II poison in vivo. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 301, 87-92.	1.2	22
94	Evaluation of pan masala for toxic effects on liver and other organs. Food and Chemical Toxicology, 1992, 30, 161-163.	1.8	38
95	Clastogenic effect of fenfluramine in mice bone marrow cells in vivo. Environmental and Molecular Mutagenesis, 1992, 19, 323-326.	0.9	5
96	Effect of â€˜Pan Masalaâ€™ on the germ cells of male mice. Cancer Letters, 1991, 58, 161-165.	3.2	21
97	Sister chromatid exchange induced by â€˜pan masalaâ€™ (a betel quid ingredient) in male mice in vivo. Food and Chemical Toxicology, 1991, 29, 401-403.	1.8	14
98	Anticlastogenic activity Î²-carotene against cyclophoshamide in mice in vivo. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 263, 41-46.	1.2	33
99	Sister chromatid exchange induced by secondary and tertiary amine containing dyes and in combination with nitrite in vivo in mice. Cancer Letters, 1990, 52, 33-37.	3.2	9
100	Sister chromatid exchanges induced by tertiary butyl hydroquinone in bone marrow cells of mice. Environmental and Molecular Mutagenesis, 1989, 13, 234-237.	0.9	3
101	Effects of cadmium and selenium on cell division and chromosomal aberrations in Allium sativum L.. Water, Air, and Soil Pollution, 1988, 37, 433-438.	1.1	23
102	Relative efficacy of short-term tests in detecting genotoxic effects of cadmium chloride in mice in vivo. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1988, 206, 285-295.	1.2	46
103	Sister chromatid exchanges and micronuclei formations induced by sorbic acid and sorbic acid-nitrite in vivo in mice. Toxicology Letters, 1988, 42, 47-53.	0.4	36
104	Effects of vitamin C and vitamin A on post chromosomal aberration in vivo induced by metanil yellow and zinc chloride.. Cytologia, 1988, 53, 793-799.	0.2	8