

Alok Dhawan

List of Publications by Year in descending order

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141
papers

9,552
citations

43973

48
h-index

39575

94
g-index

146
all docs

146
docs citations

146
times ranked

12064
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc oxide nanoparticles induce oxidative DNA damage and ROS-triggered mitochondria mediated apoptosis in human liver cells (HepG2). Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 852-870.	2.2	626
2	DNA damaging potential of zinc oxide nanoparticles in human epidermal cells. Toxicology Letters, 2009, 185, 211-218.	0.4	526
3	Mechanisms of genotoxicity. A review of <i>in vitro</i> and <i>in vivo</i> studies with engineered nanoparticles. Nanotoxicology, 2014, 8, 233-278.	1.6	523
4	ROS-mediated genotoxicity induced by titanium dioxide nanoparticles in human epidermal cells. Toxicology in Vitro, 2011, 25, 231-241.	1.1	461
5	Engineered ZnO and TiO ₂ nanoparticles induce oxidative stress and DNA damage leading to reduced viability of Escherichia coli. Free Radical Biology and Medicine, 2011, 51, 1872-1881.	1.3	410
6	Toxicity assessment of nanomaterials: methods and challenges. Analytical and Bioanalytical Chemistry, 2010, 398, 589-605.	1.9	405
7	Induction of oxidative stress, DNA damage and apoptosis in mouse liver after sub-acute oral exposure to zinc oxide nanoparticles. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 745, 84-91.	0.9	383
8	Comet assay: a reliable tool for the assessment of DNA damage in different models. Cell Biology and Toxicology, 2009, 25, 5-32.	2.4	318
9	Stable Colloidal Dispersions of C60 Fullerenes in Water: Evidence for Genotoxicity. Environmental Science & Technology, 2006, 40, 7394-7401.	4.6	264
10	TiO ₂ nanoparticles induce oxidative DNA damage and apoptosis in human liver cells. Nanotoxicology, 2013, 7, 48-60.	1.6	220
11	Cellular uptake and mutagenic potential of metal oxide nanoparticles in bacterial cells. Chemosphere, 2011, 83, 1124-1132.	4.2	210
12	The comet assay as a tool for human biomonitoring studies: The ComNet Project. Mutation Research - Reviews in Mutation Research, 2014, 759, 27-39.	2.4	182
13	Zinc Oxide Nanoparticle Induced Genotoxicity in Primary Human Epidermal Keratinocytes. Journal of Nanoscience and Nanotechnology, 2011, 11, 3782-3788.	0.9	145
14	Nanomaterials: A challenge for toxicologists. Nanotoxicology, 2009, 3, 1-9.	1.6	143
15	Toxicity of Graphene in Normal Human Lung Cells (BEAS-2B). Journal of Biomedical Nanotechnology, 2011, 7, 106-107.	0.5	141
16	Evaluation of <i>in vivo</i> genotoxicity of cypermethrin in Drosophila melanogaster using the alkaline Comet assay. Mutagenesis, 2004, 19, 85-90.	1.0	133
17	Genotoxic and carcinogenic potential of engineered nanoparticles: an update. Archives of Toxicology, 2013, 87, 1883-1900.	1.9	132
18	Titanium dioxide nanoparticle-induced oxidative stress triggers DNA damage and hepatic injury in mice. Nanomedicine, 2014, 9, 1423-1434.	1.7	132

#	ARTICLE	IF	CITATIONS
19	Zinc Oxide Nanoparticles Induce Oxidative Stress and Genotoxicity in Human Liver Cells (HepG2). <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 98-99.	0.5	120
20	TiO ₂ nanoparticles induce DNA double strand breaks and cell cycle arrest in human alveolar cells. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 204-217.	0.9	105
21	Comparative study on effects of two different types of titanium dioxide nanoparticles on human neuronal cells. <i>Food and Chemical Toxicology</i> , 2013, 57, 352-361.	1.8	101
22	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.	0.9	100
23	Validation of <i>Drosophila melanogaster</i> as an in vivo model for genotoxicity assessment using modified alkaline Comet assay. <i>Mutagenesis</i> , 2005, 20, 285-290.	1.0	98
24	Gender-related differences in basal DNA damage in lymphocytes of a healthy Indian population using the alkaline Comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 520, 83-91.	0.9	97
25	The effect of smoking and eating habits on DNA damage in Indian population as measured in the Comet assay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 474, 121-128.	0.4	95
26	Cytotoxic and genotoxic assessment of glycolipid-reduced and -capped gold and silver nanoparticles. <i>New Journal of Chemistry</i> , 2010, 34, 294-301.	1.4	87
27	ZnO nanoparticles induced inflammatory response and genotoxicity in human blood cells: A mechanistic approach. <i>Food and Chemical Toxicology</i> , 2015, 85, 61-70.	1.8	85
28	Titanium Dioxide Nanoparticles Induce Oxidative Stress-Mediated Apoptosis in Human Keratinocyte Cells. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 100-101.	0.5	80
29	DNA integrity and semen quality in men with low seminal antioxidant levels. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 665, 29-36.	0.4	76
30	DNA damage and mutagenicity induced by endosulfan and its metabolites. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 682-692.	0.9	75
31	Patulin causes DNA damage leading to cell cycle arrest and apoptosis through modulation of Bax, p53 and p21/WAF1 proteins in skin of mice. <i>Toxicology and Applied Pharmacology</i> , 2009, 234, 192-201.	1.3	75
32	Effect of graphene oxide on the conformational transitions of amyloid beta peptide: A molecular dynamics simulation study. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 61, 175-185.	1.3	72
33	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.	1.1	71
34	Effects of titanium dioxide nanoparticles in human gastric epithelial cells in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2014, 68, 59-64.	2.5	70
35	Comet assay responses in human lymphocytes are not influenced by the menstrual cycle: a study in healthy Indian females. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 565, 163-172.	0.9	69
36	Citrinin-Generated Reactive Oxygen Species Cause Cell Cycle Arrest Leading to Apoptosis via the Intrinsic Mitochondrial Pathway in Mouse Skin. <i>Toxicological Sciences</i> , 2011, 122, 557-566.	1.4	68

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37	Cell cycle dependent cellular uptake of zinc oxide nanoparticles in human epidermal cells. <i>Mutagenesis</i> , 2016, 31, 481-490.	1.0	67
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.	1.1	65
39	Growth morphologies, phase formation, optical & biological responses of nanostructures of CuO and their application as cooling fluid in high energy density devices. <i>RSC Advances</i> , 2012, 2, 1387-1403.	1.7	61
40	2.45GHz Microwave Irradiation-Induced Oxidative Stress Affects Implantation or Pregnancy in Mice, <i>Mus musculus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1727-1751.	1.4	61
41	Evaluation of the antigenotoxic potential of monomeric and dimeric flavanols, and black tea polyphenols against heterocyclic amine-induced DNA damage in human lymphocytes using the Comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 515, 39-56.	0.9	59
42	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.	0.9	58
43	Aneugenic and clastogenic effects of doxorubicin in human lymphocytes. <i>Mutagenesis</i> , 2003, 18, 487-490.	1.0	57
44	Bacterial synthesis of silicon/silica nanocomposites. <i>Journal of Materials Chemistry</i> , 2008, 18, 2601.	6.7	57
45	Genotoxicity of industrial solid waste leachates in <i>Drosophila melanogaster</i> . <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 189-197.	0.9	53
46	In vivo DNA damaging potential of sanguinarine alkaloid, isolated from argemone oil, using alkaline Comet assay in mice. <i>Food and Chemical Toxicology</i> , 2005, 43, 147-153.	1.8	53
47	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.	2.1	53
48	Correlation of DNA damage in epidemic dropsy patients to carcinogenic potential of argemone oil and isolated sanguinarine alkaloid in mice. <i>International Journal of Cancer</i> , 2005, 117, 709-717.	2.3	49
49	Assessment of methyl thiophanate-Cu (II) induced DNA damage in human lymphocytes. <i>Toxicology in Vitro</i> , 2009, 23, 848-854.	1.1	45
50	Hydration Patterns of Graphene-Based Nanomaterials (GBNMs) Play a Major Role in the Stability of a Helical Protein: A Molecular Dynamics Simulation Study. <i>Langmuir</i> , 2013, 29, 14230-14238.	1.6	43
51	Topical Application of Ochratoxin A Causes DNA Damage and Tumor Initiation in Mouse Skin. <i>PLoS ONE</i> , 2012, 7, e47280.	1.1	42
52	Unequivocal evidence of genotoxic potential of argemone oil in mice. <i>International Journal of Cancer</i> , 2004, 112, 890-895.	2.3	41
53	Selected Peer-Reviewed Articles from the International Symposium on the Safe Use of Nanomaterials and Workshop on Nanomaterial Safety: Status, Procedures, Policy and Ethical Concerns. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 1-2.	0.5	41
54	Guidance for Safe Handling of Nanomaterials. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 218-224.	0.5	41

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55	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.	0.9	40
56	Expression of constitutive and inducible cytochrome P450 2E1 in rat brain. <i>Molecular and Cellular Biochemistry</i> , 2006, 286, 171-180.	1.4	39
57	Effects of surface curvature and surface characteristics of carbon-based nanomaterials on the adsorption and activity of acetylcholinesterase. <i>Carbon</i> , 2013, 62, 222-232.	5.4	39
58	Zinc oxide nanoparticles affect the expression of p53, Ras p21 and JNKs: an ex vivo/in vitro exposure study in respiratory disease patients. <i>Mutagenesis</i> , 2015, 30, 237-245.	1.0	39
59	Cytochrome P450 1A1 (CYP1A1) in blood lymphocytes Evidence for catalytic activity and mRNA expression. <i>Life Sciences</i> , 2001, 69, 383-393.	2.0	38
60	Effect of lindane on hepatic and brain cytochrome P450s and influence of P450 modulation in lindane induced neurotoxicity. <i>Food and Chemical Toxicology</i> , 2003, 41, 1077-1087.	1.8	37
61	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.	0.4	37
62	Laboratory Scale Microbial Food Chain To Study Bioaccumulation, Biomagnification, and Ecotoxicity of Cadmium Telluride Quantum Dots. <i>Environmental Science & Technology</i> , 2017, 51, 1695-1706.	4.6	37
63	Effect of pretreatment of cytochrome P450 (P450) modifiers on neurobehavioral toxicity induced by deltamethrin. <i>Food and Chemical Toxicology</i> , 2003, 41, 431-437.	1.8	36
64	Nanomaterials: Exposure, Effects and Toxicity Assessment. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2012, 82, 3-11.	0.4	36
65	Heteroagglomeration of zinc oxide nanoparticles with clay mineral modulates the bioavailability and toxicity of nanoparticle in <i>Tetrahymena pyriformis</i> . <i>Journal of Colloid and Interface Science</i> , 2017, 495, 9-18.	5.0	36
66	Differences in sensitivity of cultured rat brain neuronal and glial cytochrome P450 2E1 to ethanol. <i>Life Sciences</i> , 2006, 79, 1514-1522.	2.0	35
67	Long lasting effects of prenatal exposure to deltamethrin on cerebral and hepatic cytochrome P450s and behavioral activity in rat offspring. <i>European Journal of Pharmacology</i> , 2006, 544, 58-68.	1.7	35
68	The Comet Assay: Assessment of In Vitro and In Vivo DNA Damage. <i>Methods in Molecular Biology</i> , 2013, 1044, 325-345.	0.4	35
69	Multipronged evaluation of genotoxicity in Indian petrol pump workers. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 695-707.	0.9	34
70	Synthesis of biocompatible iron oxide nanoparticles as a drug delivery vehicle. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 79-82.	3.3	34
71	An investigation of bone marrow and testicular cells in vivo using the comet assay. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 370, 159-174.	1.2	33
72	Mechanism of Inhibition of the ATPase Domain of Human Topoisomerase II α by 1,4-Benzoquinone, 1,2-Naphthoquinone, 1,4-Naphthoquinone, and 9,10-Phenanthroquinone. <i>Toxicological Sciences</i> , 2012, 126, 372-390.	1.4	33

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73	Current Status of Short-Term Tests for Evaluation of Genotoxicity, Mutagenicity, and Carcinogenicity of Environmental Chemicals and NCEs. <i>Toxicology Mechanisms and Methods</i> , 2005, 15, 155-180.	1.3	31
74	The Comet Assay in Human Biomonitoring. <i>Methods in Molecular Biology</i> , 2013, 1044, 347-362.	0.4	31
75	In vivo genotoxic effects of industrial waste leachates in mice following oral exposure. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 325-333.	0.9	29
76	C ₆₀ -Fullerene Binds with the ATP Binding Domain of Human DNA Topoisomerase II Alpha. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 177-178.	0.5	29
77	Cellular internalization and antioxidant activity of cerium oxide nanoparticles in human monocytic leukemia cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 39-41.	3.3	29
78	Induction of rat brain and liver cytochrome P450 1A1/1A2 and 2B1/2B2 isoenzymes by deltamethrin. <i>Environmental Toxicology and Pharmacology</i> , 1999, 7, 169-178.	2.0	28
79	2.45 GHz (CW) MICROWAVE IRRADIATION ALTERS CIRCADIAN ORGANIZATION, SPATIAL MEMORY, DNA STRUCTURE IN THE BRAIN CELLS AND BLOOD CELL COUNTS OF MALE MICE, MUS MUSCULUS. <i>Progress in Electromagnetics Research B</i> , 2011, 29, 23-42.	0.7	27
80	Effect of prenatal exposure of deltamethrin on the ontogeny of xenobiotic metabolizing cytochrome P450s in the brain and liver of offsprings. <i>Toxicology and Applied Pharmacology</i> , 2006, 214, 279-289.	1.3	26
81	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.	0.6	26
82	Assessment of agglomeration, co-sedimentation and trophic transfer of titanium dioxide nanoparticles in a laboratory-scale predator-prey model system. <i>Scientific Reports</i> , 2016, 6, 31422.	1.6	26
83	Overexpression of cerebral and hepatic cytochrome P450s alters behavioral activity of rat offspring following prenatal exposure to lindane. <i>Toxicology and Applied Pharmacology</i> , 2007, 225, 278-292.	1.3	25
84	Chromium oxide nanoparticle-induced genotoxicity and p53-dependent apoptosis in human lung alveolar cells. <i>Journal of Applied Toxicology</i> , 2015, 35, 1179-1188.	1.4	24
85	Induction of rat brain cytochrome P450s (P450s) by deltamethrin: Regional specificity and correlation with neurobehavioral toxicity. <i>Neurotoxicity Research</i> , 2001, 3, 351-357.	1.3	23
86	DNA damage induced by industrial solid waste leachates in <i>Drosophila melanogaster</i> : A mechanistic approach. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 206-216.	0.9	23
87	Cytochrome P450 2E1 dependent catalytic activity and lipid peroxidation in rat blood lymphocytes. <i>Life Sciences</i> , 2002, 71, 2509-2519.	2.0	21
88	Evaluation of EMS-induced DNA damage in the single cell gel electrophoresis (Comet) assay and with flow cytometric analysis of micronuclei. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2003, 23, 1-11.	0.8	21
89	Evidence for cytochrome P450 2E1 catalytic activity and expression in rat blood lymphocytes. <i>Life Sciences</i> , 2005, 77, 1082-1093.	2.0	21
90	Persistence in Alterations in the Ontogeny of Cerebral and Hepatic Cytochrome P450s following Prenatal Exposure to Low Doses of Lindane. <i>Toxicological Sciences</i> , 2008, 101, 331-340.	1.4	21

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91	Immunochemical and Biochemical Evidence for Expression of Phenobarbital-and 3-Methylcholanthrene-Inducible Isoenzymes of Cytochrome P450 in Rat Brain. <i>International Journal of Toxicology</i> , 1998, 17, 619-630.	0.6	20
92	Evaluation of the alkaline Comet assay conducted with the wetlands plant <i>Bacopa monnieri</i> L. as a model for ecogenotoxicity assessment. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 483-489.	0.9	20
93	Zinc oxide nanoparticle induced age dependent immunotoxicity in BALB/c mice. <i>Toxicology Research</i> , 2017, 6, 342-352.	0.9	20
94	Evidence for O-dealkylation of 7-pentoxoresorufin by cytochrome P450 2B1/2B2 isoenzymes in brain. <i>Molecular and Cellular Biochemistry</i> , 1998, 189, 201-205.	1.4	19
95	Regional specificity in deltamethrin induced cytochrome P450 expression in rat brain. <i>Toxicology and Applied Pharmacology</i> , 2006, 217, 15-24.	1.3	19
96	Interaction of C ₆₀ Fullerene with the Proteins Involved in DNA Mismatch Repair Pathway. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 179-180.	0.5	19
97	In Silico Approaches for Predictive Toxicology. , 2018, , 91-109.		19
98	Protective effect of bioantioxidants on argemone oil/sanguinarine alkaloid induced genotoxicity in mice. <i>Cancer Letters</i> , 2006, 244, 109-118.	3.2	18
99	Cytochrome P450 1A isoenzymes in brain cells: Expression and inducibility in cultured rat brain neuronal and glial cells. <i>Life Sciences</i> , 2006, 79, 2387-2394.	2.0	18
100	The Need for Novel Approaches in Ecotoxicity of Engineered Nanomaterials. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 79-80.	0.5	18
101	Methods for Detection of Oxidative Stress and Genotoxicity of Engineered Nanoparticles. <i>Methods in Molecular Biology</i> , 2013, 1028, 231-246.	0.4	18
102	The Comet Assay: Assessment of In Vitro and In Vivo DNA Damage. <i>Methods in Molecular Biology</i> , 2019, 2031, 237-257.	0.4	18
103	Cellular Response to Metal Oxide Nanoparticles in Bacteria. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 102-103.	0.5	18
104	Launch of the ComNet (comet network) project on the comet assay in human population studies during the International Comet Assay Workshop meeting in Kusadasi, Turkey (September 13-16, 2011). <i>Mutagenesis</i> , 2012, 27, 385-386.	1.0	17
105	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.	1.1	17
106	Cytochrome P-450 dependent monooxygenases in neuronal and glial cells: Inducibility and specificity. <i>Biochemical and Biophysical Research Communications</i> , 1990, 170, 441-447.	1.0	16
107	Toxicity Assessment of Engineered Nanomaterials: Resolving the Challenges. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 6-7.	0.5	16
108	Cytochrome P450 (P450) isoenzyme specific dealkylation of alkoxyresorufins in rat brain microsomes. <i>Molecular and Cellular Biochemistry</i> , 1999, 200, 169-176.	1.4	15

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109	Evidence for cytochrome P450 3A expression and catalytic activity in rat blood lymphocytes. <i>Life Sciences</i> , 2006, 79, 1729-1735.	2.0	15
110	Chromium Oxide Nano-Particles Induce Stress in Bacteria: Probing Cell Viability. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 166-167.	0.5	15
111	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.	1.3	15
112	Curcumin Ag nanoconjugates for improved therapeutic effects in cancer. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 75-77.	3.3	15
113	Responsiveness of cerebral and hepatic cytochrome P450s in rat offspring prenatally exposed to lindane. <i>Toxicology and Applied Pharmacology</i> , 2008, 231, 10-16.	1.3	14
114	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.	0.5	14
115	DNA damage in bone marrow and blood cells of mice exposed to municipal sludge leachates. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 271-276.	0.9	13
116	Toxicity Evaluation of Carbon Nanotubes in Normal Human Bronchial Epithelial Cells. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 108-109.	0.5	13
117	Cytochrome P4503A: Evidence for mRNA expression and catalytic activity in rat brain. <i>Molecular and Cellular Biochemistry</i> , 2006, 287, 91-99.	1.4	12
118	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.	0.9	12
119	Facile synthesis of nanostructured hydroxyapatite/titania bio-implant scaffolds with different morphologies: their bioactivity and corrosion behaviour. <i>Journal of Materials Chemistry</i> , 2010, 20, 4949.	6.7	12
120	Cytotoxicity and Genotoxicity Property of Hydroxyapatite-Mullite Eluates. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 74-75.	0.5	12
121	Monitoring characteristics and genotoxic effects of engineered nanoparticle "protein corona. <i>Mutagenesis</i> , 2017, 32, 479-490.	1.0	12
122	Effect of antioxidant flavonoids and a food mutagen on lymphocytes of a thalassemia patient without chelation therapy in the Comet assay. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2001, 21, 165-174.	0.8	11
123	Bacterial Synthesis of Photocatalytically Active and Biocompatible TiO ₂ and ZnO Nanoparticles. <i>International Journal of Green Nanotechnology: Physics and Chemistry</i> , 2010, 2, P80-P99.	1.5	11
124	TiO ₂ NPs Induce DNA Damage in Lymphocytes from Healthy Individuals and Patients with Respiratory Diseases "An <i>Ex Vivo</i> / <i>In Vitro</i> Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 544-555.	0.9	10
125	Characterization of cerebral 7-ethoxycoumarin-O-deethylase: Evidence for multiplicity of cytochrome P450 in brain. <i>Biochemical Medicine and Metabolic Biology</i> , 1989, 41, 184-192.	0.7	9
126	Induction of P53, P21Waf1, ornithine decarboxylase activity, and DNA damage leading to cell-cycle arrest and apoptosis following topical application of repeated fish fried oil extract to mice. <i>Molecular Carcinogenesis</i> , 2006, 45, 805-813.	1.3	9

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127	Differences in the expression and inducibility of cytochrome P450 2B isoenzymes in cultured rat brain neuronal and glial cells. <i>Molecular and Cellular Biochemistry</i> , 2007, 305, 199-207.	1.4	8
128	Comprehensive Molecular Analysis of the Responses Induced by Titanium Dioxide Nanoparticles in Human Keratinocyte Cells. <i>Journal of Translational Toxicology</i> , 2014, 1, 28-39.	0.3	7
129	Impact of Nanomaterials on the Aquatic Food Chain. <i>Sustainable Agriculture Reviews</i> , 2017, , 309-333.	0.6	6
130	Cytotoxicity assessment of ZnO nanoparticles on human epidermal cells. <i>Molecular Cytogenetics</i> , 2014, 7, P81.	0.4	5
131	<i>In Silico Approaches</i> : Prediction of Biological Targets for Fullerene Derivatives. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 91-92.	0.5	4
132	3D scaffold induces efficient bone repair: in vivo studies of ultra-structural architecture at the interface. <i>RSC Advances</i> , 2016, 6, 93768-93776.	1.7	4
133	Preferential binding of fullerene and fullerenol with the N-terminal and middle regions of amyloid beta peptide: an in silico investigation. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 71-73.	3.3	3
134	Microorganisms: A Versatile Model for Toxicity Assessment of Engineered Nanoparticles. , 2012, , 497-524.		2
135	Stable Metal Oxide Nanoparticle Formulation for Toxicity Studies. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 104-105.	0.5	2
136	Cytochrome P-450 Catalyzed Reactions In Brain. , 1990, , 133-146.		1
137	Response of Selected Genes of <i>Burkholderia xenovorans</i> Strain LB400 to Onion Extract Using A DNA:RNA Hybrid Capture Detection System. <i>Research Journal of Microbiology</i> , 2006, 1, 378-391.	0.2	1
138	NanoLINEN: Nanotoxicology Link Between India and European Nations. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 203-204.	0.5	0
139	Multicolor Laser Scanning Confocal Immunofluorescence Microscopy of DNA Damage Response Biomarkers. <i>Methods in Molecular Biology</i> , 2013, 1044, 311-323.	0.4	0
140	Comet Assay: An Exposure Biomarker for Human Biomonitoring. <i>Qscience Proceedings</i> , 2012, 2012, 18.	0.0	0
141	Fate and potential hazards of nanoparticles in the environment. , 2022, , 581-602.		0