Javed Musarrat

List of Publications by Year
in descending order

173 papers	10,187 citations	30070 54 h-index	40979 93 g-index
180 all docs	180 docs citations	180 times ranked	13145 citing authors

#	Article	IF	Citations
1	Impact of metal-oxide nanoparticles on growth, physiology and yield of tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 116218.	7.5	39
2	Nanoparticles in the soilâ€“plant system: a review. Environmental Chemistry Letters, 2021, 19, 1545-1609.	16.2	68
3	Titanium Dioxide Nanoparticles Induce Inhibitory Effects against Planktonic Cells and Biofilms of Human Oral Cavity Isolates of Rothia mucilaginosa, Georgenia sp. and Staphylococcus saprophyticus. Pharmaceutics, 2021, 13, 1564.	4.5	13
4	Differential responses of maize (Zea mays) at the physiological, biomolecular, and nutrient levels when cultivated in the presence of nano or bulk ZnO or CuO or Zn2+ or Cu2+ ions. Journal of Hazardous Materials, 2021, 419, 126493.	12.4	46
5	Ampicillin-augmented silver nanoparticles for synergistic antimicrobial response: A promising therapeutic approach. Current Pharmaceutical Biotechnology, 2021, 22, 2019-2030.	1.6	1
6	Cytotoxicity and genotoxicity of methomyl, carbaryl, metalaxyl, and pendimethalin in human umbilical vein endothelial cells. Journal of Applied Toxicology, 2021, 41, 832-846.	2.8	20
7	Bio-functionalized CuO nanoparticles induced apoptotic activities in human breast carcinoma cells and toxicity against Aspergillus flavus: An in vitro approach. Process Biochemistry, 2020, 91, 387-397.	3.7	56
8	Destruction of Cell Topography, Morphology, Membrane, Inhibition of Respiration, Biofilm Formation, and Bioactive Molecule Production by Nanoparticles of Ag, ZnO, CuO, TiO₂, and Al₂O₃ toward Beneficial Soil Bacteria. ACS Omega, 2020, 5, 7861-7876.	3.5	85
9	Role of Solvent System in Green Synthesis of Nanoparticles. , 2020, , 53-74.		2
10	Cymbopogon Citratus Functionalized Green Synthesis of CuO-Nanoparticles: Novel Prospects as Antibacterial and Antibiofilm Agents. Biomolecules, 2020, 10, 169.	4.0	51
11	Anti-cancer efficacy of Aloe vera capped hematite nanoparticles in human breast cancer (MCF-7) cells. Journal of Drug Delivery Science and Technology, 2020, 60, 102052.	3.0	8
12	Surface Engineering Techniques Associated with Stability, Biocompatibility, and Toxicity of Nanoparticles. , 2020, , 75-101.		0
13	Interaction of Copper-Based Nanoparticles to Soil, Terrestrial, and Aquatic Systems: Critical Review of the State of the Science and Future Perspectives. Reviews of Environmental Contamination and Toxicology, 2019, 252, 51-96.	1.3	33
14	Myristica fragrans bio-active ester functionalized ZnO nanoparticles exhibit antibacterial and antibiofilm activities in clinical isolates. Journal of Microbiological Methods, 2019, 166, 105716.	1.6	37
15	Bacterial toxicity of biomimetic green zinc oxide nanoantibiotic: insights into ZnONP uptake and nanocolloidâ€“bacteria interface. Toxicology Research, 2019, 8, 246-261.	2.1	91
16	Understanding the phyto-interaction of heavy metal oxide bulk and nanoparticles: evaluation of seed germination, growth, bioaccumulation, and metallothionein production. RSC Advances, 2019, 9, 4210-4225.	3.6	40
17	Comparative in situ ROS mediated killing of bacteria with bulk analogue, Eucalyptus leaf extract (ELE)-capped and bare surface copper oxide nanoparticles. Materials Science and Engineering C, 2019, 100, 747-758.	7.3	77
18	ARSACS as a Worldwide Disease: Novel SACS Mutations Identified in a Consanguineous Family from the Remote Tribal Jammu and Kashmir Region in India. Cerebellum, 2019, 18, 807-812.	2.5	18

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19	Effective Inhibition of Phytopathogenic Microbes by Eco-Friendly Leaf Extract Mediated Silver Nanoparticles (AgNPs). Indian Journal of Microbiology, 2019, 59, 273-287.	2.7	56
20	Nickel Oxide Nanoparticles Induced Transcriptomic Alterations in HEPG2 Cells. Advances in Experimental Medicine and Biology, 2018, 1048, 163-174.	1.6	22
21	Toxicogenomics: A New Paradigm for Nanotoxicity Evaluation. Advances in Experimental Medicine and Biology, 2018, 1048, 143-161.	1.6	14
22	ROS mediated destruction of cell membrane, growth and biofilms of human bacterial pathogens by stable metallic AgNPs functionalized from bell pepper extract and quercetin. Advanced Powder Technology, 2018, 29, 1601-1616.	4.1	117
23	Copper doping enhanced the oxidative stressâ€"mediated cytotoxicity of TiO₂ nanoparticles in A549 cells. Human and Experimental Toxicology, 2018, 37, 496-507.	2.2	21
24	Pendimethalin induces oxidative stress, DNA damage, and mitochondrial dysfunction to trigger apoptosis in human lymphocytes and rat bone-marrow cells. Histochemistry and Cell Biology, 2018, 149, 127-141.	1.7	25
25	Titanium dioxide nanoparticles preferentially bind in subdomains IB, IIA of HSA and minor groove of DNA. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2530-2542.	3.5	20
26	An improved method of DNA preparation for PCRâ€based detection of Brucella in raw camel milk samples from Riyadh region and its comparison with immunological methods. Journal of Food Safety, 2018, 38, e12381.	2.3	5
27	Anticancer Potential of Green Synthesized Silver Nanoparticles Using Extract of Nepeta deflersiana against Human Cervical Cancer Cells (HeLA). Bioinorganic Chemistry and Applications, 2018, 2018, 1-12.	4.1	178
28	Differential surface contact killing of pristine and low EPS Pseudomonas aeruginosa with Aloe vera capped hematite (Î±-Fe2O3) nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2018, 188, 146-158.	3.8	46
29	Toxicity assessment of metal oxide nano-pollutants on tomato (Solanum lycopersicon): A study on growth dynamics and plant cell death. Environmental Pollution, 2018, 240, 802-816.	7.5	112
30	Interplay Between Engineered Nanomaterials (ENMs) and Edible Plants: A Current Perspective. , 2018, , 63-102.		12
31	Antibacterial and Antibiofilm Activity of Barium Titanate Nanoparticles. Materials Letters, 2018, 229, 130-133.	2.6	42
32	Chromosomal aberrations, cell suppression and oxidative stress generation induced by metal oxide nanoparticles in onion (Allium cepa) bulb. Metallomics, 2018, 10, 1315-1327.	2.4	39
33	Bio-inspired nanomaterials in agriculture and food: Current status, foreseen applications and challenges. Microbial Pathogenesis, 2018, 123, 196-200.	2.9	62
34	Functionalization of anti-Brucella antibody on ZnO-NPs and their deposition on aluminum sheet towards developing a sensor for the detection of Brucella. Vacuum, 2017, 146, 592-598.	3.5	11
35	MWCNTs functionalization and immobilization with anti-Brucella antibody; towards the development of a nanosensor. Vacuum, 2017, 146, 623-632.	3.5	9
36	Mitochondrial and Chromosomal Damage Induced by Oxidative Stress in Zn2+ Ions, ZnO-Bulk and ZnO-NPs treated Allium cepa roots. Scientific Reports, 2017, 7, 40685.	3.3	106

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37	Thymol and carvacrol induce autolysis, stress, growth inhibition and reduce the biofilm formation by Streptococcus mutans. AMB Express, 2017, 7, 49.	3.0	68
38	Photocatalytic TMO-NMs adsorbent: Temperature-Time dependent Safranine degradation, sorption study validated under optimized effective equilibrium models parameter with standardized statistical analysis. Scientific Reports, 2017, 7, 42509.	3.3	26
39	Evaluation of cytotoxic responses of raw and functionalized multi-walled carbon nanotubes in human breast cancer (MCF-7) cells. Vacuum, 2017, 146, 578-585.	3.5	11
40	Nigella sativa seed oil suppresses cell proliferation and induces ROS dependent mitochondrial apoptosis through p53 pathway in hepatocellular carcinoma cells. South African Journal of Botany, 2017, 112, 70-78.	2.5	19
41	Synthesis and characterization of some abundant nanoparticles, their antimicrobial and enzyme inhibition activity. Acta Microbiologica Et Immunologica Hungarica, 2017, 64, 203-216.	0.8	13
42	Inhibition of growth and biofilm formation of clinical bacterial isolates by NiO nanoparticles synthesized from Eucalyptus globulus plants. Microbial Pathogenesis, 2017, 111, 375-387.	2.9	139
43	p53, MAPKAPK-2 and caspases regulate nickel oxide nanoparticles induce cell death and cytogenetic anomalies in rats. International Journal of Biological Macromolecules, 2017, 105, 228-237.	7.5	26
44	Zinc Oxide Nanoparticles: Mechanism(s) of Cell Death Induced in Human Epidermoid Larynx Cell Line (HEp-2). Nanoscience and Nanotechnology Letters, 2017, 9, 573-582.	0.4	6
45	<i>Portulaca oleracea</i> Linn seed extract ameliorates hydrogen peroxide-induced cell death in human liver cells by inhibiting reactive oxygen species generation and oxidative stress. Tropical Journal of Pharmaceutical Research, 2016, 15, 1643.	0.3	5
46	Antibacterial studies and statistical design set data of quasi zinc oxide nanostructures. RSC Advances, 2016, 6, 32328-32339.	3.6	50
47	Genotoxicity of ferric oxide nanoparticles in Raphanus sativus : Deciphering the role of signaling factors, oxidative stress and cell death. Journal of Environmental Sciences, 2016, 47, 49-62.	6.1	28
48	Countering drug resistance, infectious diseases, and sepsis using metal and metal oxides nanoparticles: Current status. Colloids and Surfaces B: Biointerfaces, 2016, 146, 70-83.	5.0	177
49	Self-Styled ZnO Nanostructures Promotes the Cancer Cell Damage and Supresses the Epithelial Phenotype of Glioblastoma. Scientific Reports, 2016, 6, 19950.	3.3	66
50	In-Vitro dual inhibition of protein glycation, and oxidation by some Arabian plants. BMC Complementary and Alternative Medicine, 2016, 16, 276.	3.7	15
51	Verbesina encelioides: cytotoxicity, cell cycle arrest, and oxidative DNA damage in human liver cancer (HepG2) cell line. BMC Complementary and Alternative Medicine, 2016, 16, 126.	3.7	9
52	Cobalt oxide nanoparticles aggravate DNA damage and cell death in eggplant via mitochondrial swelling and NO signaling pathway. Biological Research, 2016, 49, 20.	3.4	53
53	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. Journal of Applied Toxicology, 2016, 36, 1284-1293.	2.8	47
54	Hazards of low dose flame-retardants (BDE-47 and BDE-32): Influence on transcriptome regulation and cell death in human liver cells. Journal of Hazardous Materials, 2016, 308, 37-49.	12.4	32

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55	Aloe vera extract functionalized zinc oxide nanoparticles as nanoantibiotics against multi-drug resistant clinical bacterial isolates. Journal of Colloid and Interface Science, 2016, 472, 145-156.	9.4	326
56	Synthesis, characterization of Î±-amino acid Schiff base derived Ru/Pt complexes: Induces cytotoxicity in HepG2 cell via protein binding and ROS generation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 163, 1-7.	3.9	29
57	Understanding the Role of Nanomaterials in Agriculture. , 2016, , 271-288.		56
58	Zinc oxide quantum dots: multifunctional candidates for arresting C2C12 cancer cells and their role towards caspase 3 and 7 genes. RSC Advances, 2016, 6, 26111-26120.	3.6	43
59	Zinc oxide and titanium dioxide nanoparticles induce oxidative stress, inhibit growth, and attenuate biofilm formation activity of Streptococcus mitis. Journal of Biological Inorganic Chemistry, 2016, 21, 295-303.	2.6	39
60	Protective effect ofLepidium sativumseed extract against hydrogen peroxide-induced cytotoxicity and oxidative stress in human liver cells (HepG2). Pharmaceutical Biology, 2016, 54, 314-321.	2.9	40
61	Comparative cytotoxicity of dolomite nanoparticles in human larynx HEp2 and liver HepG2 cells. Journal of Applied Toxicology, 2015, 35, 640-650.	2.8	8
62	Microwave Accelerated Green Synthesis of Stable Silver Nanoparticles with Eucalyptus globulus Leaf Extract and Their Antibacterial and Antibiofilm Activity on Clinical Isolates. PLoS ONE, 2015, 10, e0131178.	2.5	174
63	Comparison on the molecular response profiles between nano zinc oxide (ZnO) particles and free zinc ion using a genome-wide toxicogenomics approach. Environmental Science and Pollution Research, 2015, 22, 17434-17442.	5.3	26
64	Rhamnolipids functionalized AgNPs-induced oxidative stress and modulation of toxicity pathway genes in cultured MCF-7 cells. Colloids and Surfaces B: Biointerfaces, 2015, 132, 290-298.	5.0	33
65	Utilization of photocatalytic ZnO nanoparticles for deactivation of safranine dye and their applications for statistical analysis. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 69, 101-108.	2.7	20
66	Synthesis and characterization of 2-substituted benzimidazoles and their evaluation as anticancer agent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 286-291.	3.9	36
67	Hepatoprotective potential of Lavandula coronopifolia extracts against ethanol induced oxidative stress-mediated cytotoxicity in HepG2 cells. Toxicology and Industrial Health, 2015, 31, 727-737.	1.4	27
68	Green synthesis of Al2O3 nanoparticles and their bactericidal potential against clinical isolates of multi-drug resistant Pseudomonas aeruginosa. World Journal of Microbiology and Biotechnology, 2015, 31, 153-164.	3.6	119
69	ZnO and TiO2 nanoparticles as novel antimicrobial agents for oral hygiene: a review. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	70
70	Novel All Trans-Retinoic Acid Derivatives: Cytotoxicity, Inhibition of Cell Cycle Progression and Induction of Apoptosis in Human Cancer Cell Lines. Molecules, 2015, 20, 8181-8197.	3.8	19
71	Molybdenum nanoparticles-induced cytotoxicity, oxidative stress, G2/M arrest, and DNA damage in mouse skin fibroblast cells (L929). Colloids and Surfaces B: Biointerfaces, 2015, 125, 73-81.	5.0	55
72	Concentrationâ€dependent induction of reactive oxygen species, cell cycle arrest and apoptosis in human liver cells after nickel nanoparticles exposure. Environmental Toxicology, 2015, 30, 137-148.	4.0	71

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73	Zinc oxide quantum dots: a potential candidate to detain liver cancer cells. Bioprocess and Biosystems Engineering, 2015, 38, 155-163.	3.4	19
74	Anticancer activity of chloroform extract and sub-fractions of nepeta deflersiana on human breast and lung cancer cells: an in vitro cytotoxicity assessment. Pharmacognosy Magazine, 2015, 11, 598.	0.6	20
75	Portulaca oleracea Seed Oil Exerts Cytotoxic Effects on Human Liver Cancer (HepG2) and Human Lung Cancer (A-549) Cell Lines. Asian Pacific Journal of Cancer Prevention, 2015, 16, 3383-3387.	1.2	30
76	CoO Thin Nanosheets Exhibit Higher Antimicrobial Activity Against Tested Gram-positive Bacteria Than Gram-negative Bacteria. Korean Chemical Engineering Research, 2015, 53, 565-569.	0.2	8
77	Reactive Oxygen Species Mediated Bacterial Biofilm Inhibition via Zinc Oxide Nanoparticles and Their Statistical Determination. PLoS ONE, 2014, 9, e111289.	2.5	269
78	Antibacterial properties of silver nanoparticles synthesized using Pulicaria glutinosa plant extract as a green bioreductant. International Journal of Nanomedicine, 2014, 9, 3551.	6.7	55
79	Diversity of bacteria and polyketide synthase associated with marine sponge Haliclona sp.. Annals of Microbiology, 2014, 64, 199-207.	2.6	14
80	Interaction of Al₂ O₃ nanoparticles with Escherichia coli and their cell envelope biomolecules. Journal of Applied Microbiology, 2014, 116, 772-783.	3.1	110
81	ZnO nanoparticles induced oxidative stress and apoptosis in HepG2 and MCF-7 cancer cells and their antibacterial activity. Colloids and Surfaces B: Biointerfaces, 2014, 117, 267-276.	5.0	254
82	Optical Analysis of Zinc Oxide Quantum Dots with Bovine Serum Albumin and Bovine Hemoglobin. Journal of Pharmaceutical Innovation, 2014, 9, 48-52.	2.4	10
83	Antiâ€biofilm and antibacterial activities of zinc oxide nanoparticles against the oral opportunistic pathogens <scp>R</scp>othia dentocariosa and <scp>R</scp>othia mucilaginosa. European Journal of Oral Sciences, 2014, 122, 397-403.	1.5	56
84	Statistical analysis of gold nanoparticle-induced oxidative stress and apoptosis in myoblast (C2C12) cells. Colloids and Surfaces B: Biointerfaces, 2014, 123, 664-672.	5.0	65
85	Synthesis, characterization and toxicological evaluation of iron oxide nanoparticles in human lung alveolar epithelial cells. Colloids and Surfaces B: Biointerfaces, 2014, 122, 209-215.	5.0	60
86	Gum arabic cappedâ€silver nanoparticles inhibit biofilm formation by multiâ€drug resistant strains of Pseudomonas aeruginosa. Journal of Basic Microbiology, 2014, 54, 688-699.	3.3	73
87	Factors Affecting Phosphate-Solubilizing Activity of Microbes: Current Status. , 2014, , 63-85.		9
88	Cytotoxicity Assessments of Portulaca oleracea and Petroselinum sativum Seed Extracts on Human Hepatocellular Carcinoma Cells (HepG2). Asian Pacific Journal of Cancer Prevention, 2014, 15, 6633-6638.	1.2	39
89	Cytotoxicity of Nigella Sativa Seed Oil and Extract Against Human Lung Cancer Cell Line. Asian Pacific Journal of Cancer Prevention, 2014, 15, 983-987.	1.2	55
90	Emerging importance of holobionts in evolution and in probiotics. Gut Pathogens, 2013, 5, 12.	3.4	41

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91	Effective inhibition of bacterial respiration and growth by CuO microspheres composed of thin nanosheets. Colloids and Surfaces B: Biointerfaces, 2013, 111, 211-217.	5.0	48
92	Rotenone-induced oxidative stress and apoptosis in human liver HepG2 cells. Molecular and Cellular Biochemistry, 2013, 384, 59-69.	3.1	65
93	Zinc ferrite nanoparticles activate IL-1b, NFKB1, CCL21 and NOS2 signaling to induce mitochondrial dependent intrinsic apoptotic pathway in WISH cells. Toxicology and Applied Pharmacology, 2013, 273, 289-297.	2.8	47
94	Comparative effectiveness of NiCl2, Ni- and NiO-NPs in controlling oral bacterial growth and biofilm formation on oral surfaces. Archives of Oral Biology, 2013, 58, 1804-1811.	1.8	38
95	Ribosylation of bovine serum albumin induces ROS accumulation and cell death in cancer line (MCF-7). European Biophysics Journal, 2013, 42, 811-818.	2.2	24
96	Phytotoxic hazards of NiO-nanoparticles in tomato: A study on mechanism of cell death. Journal of Hazardous Materials, 2013, 250-251, 318-332.	12.4	259
97	Biocidal effect of copper and zinc oxide nanoparticles on human oral microbiome and biofilm formation. Materials Letters, 2013, 97, 67-70.	2.6	59
98	Photocatalytic oxidation of acetaldehyde with ZnO-quantum dots. Chemical Engineering Journal, 2013, 226, 154-160.	12.7	50
99	Synthesis and structural characterization of Pd(II) complexes derived from perimidine ligand and their in vitro antimicrobial studies. Journal of Molecular Structure, 2013, 1047, 48-54.	3.6	25
100	ZnO Nanoparticles Induce Oxidative Stress in Cloudman S91 Melanoma Cancer Cells. Journal of Biomedical Nanotechnology, 2013, 9, 441-449.	1.1	86
101	ZnO Nanoparticles Induces Cell Death in Malignant Human T98G Gliomas, KB and Non-Malignant HEK Cells. Journal of Biomedical Nanotechnology, 2013, 9, 1181-1189.	1.1	85
102	Chitinases: An update. Journal of Pharmacy and Bioallied Sciences, 2013, 5, 21.	0.6	365
103	Hydrogen Adsorption Properties of Nano- and Microstructures of ZnO. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	13
104	Copper Oxide Nanoparticles Induced Mitochondria Mediated Apoptosis in Human Hepatocarcinoma Cells. PLoS ONE, 2013, 8, e69534.	2.5	285
105	Biomimetic Synthesis of Selenium Nanospheres by Bacterial Strain JS-11 and Its Role as a Biosensor for Nanotoxicity Assessment: A Novel Se-Bioassay. PLoS ONE, 2013, 8, e57404.	2.5	88
106	Anticancer Activity of Petroselinum sativum Seed Extracts on MCF-7 Human Breast Cancer Cells. Asian Pacific Journal of Cancer Prevention, 2013, 14, 5719-5723.	1.2	39
107	In Vitro Cytotoxic Activity of Seed Oil of Fenugreek Against Various Cancer Cell Lines. Asian Pacific Journal of Cancer Prevention, 2013, 14, 1829-1832.	1.2	46
108	MicroRNA in carcinogenesis & cancer diagnostics: a new paradigm. Indian Journal of Medical Research, 2013, 137, 680-94.	1.0	18

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109	Butachlor induced dissipation of mitochondrial membrane potential, oxidative DNA damage and necrosis in human peripheral blood mononuclear cells. Toxicology, 2012, 302, 77-87.	4.2	52
110	Toxicogenomic Mechanisms of 6-HO-BDE-47, 6-MeO-BDE-47, and BDE-47 in E. coli. Environmental Science & Technology, 2012, 46, 1185-1191.	10.0	39
111	Characterization of coal fly ash nanoparticles and induced oxidative DNA damage in human peripheral blood mononuclear cells. Science of the Total Environment, 2012, 437, 331-338.	8.0	52
112	Titanium dioxide nanoparticles induced cytotoxicity, oxidative stress and DNA damage in human amnion epithelial (WISH) cells. Toxicology in Vitro, 2012, 26, 351-361.	2.4	220
113	Mancozeb-induced genotoxicity and apoptosis in cultured human lymphocytes. Life Sciences, 2012, 90, 815-824.	4.3	62
114	Cytotoxic and necrotic responses in human amniotic epithelial (WISH) cells exposed to organophosphate insecticide phorate. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 744, 125-134.	1.7	35
115	Use of Î²-galactosidase (lacZ) gene Î±-complementation as a novel approach for assessment of titanium oxide nanoparticles induced mutagenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 747, 246-252.	1.7	12
116	Nickel oxide nanoparticles induce cytotoxicity, oxidative stress and apoptosis in cultured human cells that is abrogated by the dietary antioxidant curcumin. Food and Chemical Toxicology, 2012, 50, 641-647.	3.6	140
117	Short-term exposure of 4-hydroxynonenal induces mitochondria-mediated apoptosis in PC12 cells. Human and Experimental Toxicology, 2012, 31, 336-345.	2.2	18
118	Phorate-induced oxidative stress, DNA damage and transcriptional activation of p53 and caspase genes in male Wistar rats. Toxicology and Applied Pharmacology, 2012, 259, 54-65.	2.8	59
119	Apoptosis induction by silica nanoparticles mediated through reactive oxygen species in human liver cell line HepG2. Toxicology and Applied Pharmacology, 2012, 259, 160-168.	2.8	183
120	Genotoxicity of Several Polybrominated Diphenyl Ethers (PBDEs) and Hydroxylated PBDEs, and Their Mechanisms of Toxicity. Environmental Science & Technology, 2011, 45, 5003-5008.	10.0	90
121	Preferential binding of insecticide phorate with sub-domain IIA of human serum albumin induces protein damage and its toxicological significance. Food and Chemical Toxicology, 2011, 49, 1787-1795.	3.6	30
122	Microbially Synthesized Nanoparticles: Scope and Applications. , 2011, , 101-126.		10
123	Characterization of Sunn hemp begomovirus and its geographical origin based on in silico structural and functional analysis of recombinant coat protein. African Journal of Biotechnology, 2011, 10, 2600-2610.	0.6	2
124	Non-hydrolytic synthesis and photo-catalytic studies of ZnO nanoparticles. Chemical Engineering Journal, 2011, 175, 450-457.	12.7	77
125	Synthesis of stable cadmium sulfide nanoparticles using surfactin produced by Bacillus amyloliquifaciens strain KSU-109. Colloids and Surfaces B: Biointerfaces, 2011, 85, 207-213.	5.0	111
126	Biodegradation of isoproturon using a novel Pseudomonas aeruginosa strain JS-11 as a multi-functional bioinoculant of environmental significance. Journal of Hazardous Materials, 2011, 185, 938-944.	12.4	29

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127	Optical spectroscopy studies of the interaction between thiophanate methyl and human serum albumin for biosensor applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1285-1290.	3.9	4
128	Oxidative stress mediated apoptosis induced by nickel ferrite nanoparticles in cultured A549 cells. Toxicology, 2011, 283, 101-108.	4.2	279
129	Salubrious effects of dexrazoxane against teniposide-induced DNA damage and programmed cell death in murine marrow cells. Mutagenesis, 2011, 26, 533-543.	2.6	38
130	Effect of Trans-resveratrol on rotenone-induced cytotoxicity in human breast adenocarcinoma cells. Toxicology International, 2011, 18, 105.	0.1	12
131	Protective potential of 17Î²-estradiol against co-exposure of 4-hydroxynonenal and 6-hydroxydopamine in PC12 cells. Human and Experimental Toxicology, 2011, 30, 860-869.	2.2	6
132	Production of antimicrobial silver nanoparticles in water extracts of the fungus Amylomyces rouxii strain KSU-09. Bioresource Technology, 2010, 101, 8772-8776.	9.6	186
133	Isolation and characterization of butachlor-catabolizing bacterial strain Stenotrophomonas acidaminiphila JS-1 from soil and assessment of its biodegradation potential. Letters in Applied Microbiology, 2010, 51, no-no.	2.2	41
134	Association of dopamine DA-D₂ receptor in rotenone-induced cytotoxicity in PC12 cells. Toxicology and Industrial Health, 2010, 26, 533-542.	1.4	6
135	Recent Advances in Rhizobiumâ€“Legume Interactions: A Proteomic Approach. , 2010, , 81-101.		1
136	Methyl thiophanate as a DNA minor groove binder produces MTâ€“Cu(II)â€“DNA ternary complex preferably with AT rich region for initiation of DNA damage. International Journal of Biological Macromolecules, 2010, 47, 68-75.	7.5	29
137	Fungicide methyl thiophanate binding at sub-domain IIA of human serum albumin triggers conformational change and protein damage. International Journal of Biological Macromolecules, 2010, 47, 60-67.	7.5	29
138	Protective potential of trans-resveratrol against 4-hydroxynonenal induced damage in PC12 cells. Toxicology in Vitro, 2010, 24, 1592-1598.	2.4	104
139	Computational prediction of small non-coding RNA within distal 3'region of 16SrRNA gene of Bacillus sp. strain SJ-101. , 2010, , .		0
140	Virulence and Pathogenicity of Fungal Pathogens with Special Reference to Candida albicans. , 2010, , 21-45.		30
141	Assessment of methyl thiophanateâ€“Cu (II) induced DNA damage in human lymphocytes. Toxicology in Vitro, 2009, 23, 848-854.	2.4	45
142	Role of 1-Aminocyclopropane-1-carboxylate deaminase in Rhizobiumâ€“Legume Symbiosis. , 2009, , 63-83.		8
143	Genotoxic fungicide methyl thiophanate as an oxidative stressor inducing 8-oxo-7,8-dihydro-2â€² -deoxyguanosine adducts in DNA and mutagenesis. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2009, 45, 40-45.	1.5	12
144	Zinc oxide nanoparticles-induced DNA damage in human lymphocytes. International Journal of Nanoparticles, 2009, 2, 402.	0.3	28

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145	Regulatory elements in the 5â€™region of 16SrRNA gene of Bacillus sp. strain SJ-101. Bioinformation, 2009, 3, 375-380.	0.5	6
146	Bioreactor studies on the endophytic fungus Entrophospora infrequens for the production of an anticancer alkaloid camptothecin. Canadian Journal of Microbiology, 2006, 52, 189-196.	1.7	156
147	Significance of Bacillus subtilis strain SJ-101 as a bioinoculant for concurrent plant growth promotion and nickel accumulation in Brassica juncea. Chemosphere, 2006, 64, 991-997.	8.2	456
148	DNA damage and mutagenicity induced by endosulfan and its metabolites. Environmental and Molecular Mutagenesis, 2006, 47, 682-692.	2.2	75
149	Characterization and Nickel Sorption Kinetics of a New Metal Hyper-accumulatorBacillussp. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 681-691.	1.7	25
150	Characterization of a novel carbofuran degradingPseudomonassp. with collateral biocontrol and plant growth promoting potential. FEMS Microbiology Letters, 2004, 231, 13-17.	1.8	76
151	Characterization of a New Pseudomonas aeruginosa Strain NJ-15 as a Potential Biocontrol Agent. Current Microbiology, 2003, 46, 324-328.	2.2	198
152	Mechanism of DNA strand breakage induced by photosensitized tetracyclineâ€“Cu(II) complex. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 525, 109-119.	1.0	44
153	Isolation and characterization of phorate degrading soil bacteria of environmental and agronomic significance. Letters in Applied Microbiology, 2003, 36, 349-353.	2.2	61
154	Interactions of tetracycline and its derivatives with DNA in vitro in presence of metal ions. International Journal of Biological Macromolecules, 2003, 33, 49-56.	7.5	38
155	Tetracyclineâ€“Cu(II) photo-induced fragmentation of serum albumin. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 131, 439-446.	2.6	10
156	Differential binding of tetracyclines with serum albumin and induced structural alterations in drug-bound protein. International Journal of Biological Macromolecules, 2002, 30, 243-249.	7.5	120
157	Photosensitized paraquat-induced structural alterations and free radical mediated fragmentation of serum albumin. Journal of Photochemistry and Photobiology B: Biology, 2002, 67, 163-170.	3.8	17
158	Title is missing!. World Journal of Microbiology and Biotechnology, 2000, 16, 495-497.	3.6	24
159	Interactions of photosensitized tetracycline with serum albumin. IUBMB Life, 1998, 46, 943-950.	3.4	4
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