

Maqusood Ahamed

List of Publications by Year in descending order

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155
papers

10,871
citations

41627

51
h-index

37326

100
g-index

155
all docs

155
docs citations

155
times ranked

16250
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticle applications and human health. <i>Clinica Chimica Acta</i> , 2010, 411, 1841-1848.	0.5	1,072
2	DNA damage response to different surface chemistry of silver nanoparticles in mammalian cells. <i>Toxicology and Applied Pharmacology</i> , 2008, 233, 404-410.	1.3	646
3	Zinc oxide nanoparticles selectively induce apoptosis in human cancer cells through reactive oxygen species. <i>International Journal of Nanomedicine</i> , 2012, 7, 845.	3.3	435
4	Silver nanoparticles induced heat shock protein 70, oxidative stress and apoptosis in <i>Drosophila melanogaster</i> . <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 263-269.	1.3	415
5	Low level lead exposure and oxidative stress: Current opinions. <i>Clinica Chimica Acta</i> , 2007, 383, 57-64.	0.5	356
6	Synthesis, Characterization, and Antimicrobial Activity of Copper Oxide Nanoparticles. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-4.	1.5	330
7	Genotoxic potential of copper oxide nanoparticles in human lung epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 578-583.	1.0	321
8	Copper Oxide Nanoparticles Induced Mitochondria Mediated Apoptosis in Human Hepatocarcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e69534.	1.1	285
9	Oxidative stress mediated apoptosis induced by nickel ferrite nanoparticles in cultured A549 cells. <i>Toxicology</i> , 2011, 283, 101-108.	2.0	279
10	Structural and thermal studies of silver nanoparticles and electrical transport study of their thin films. <i>Nanoscale Research Letters</i> , 2011, 6, 434.	3.1	230
11	Environmental lead toxicity and nutritional factors. <i>Clinical Nutrition</i> , 2007, 26, 400-408.	2.3	217
12	ZnO nanorod-induced apoptosis in human alveolar adenocarcinoma cells via p53, survivin and bax/bcl-2 pathways: role of oxidative stress. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 904-913.	1.7	209
13	Targeted anticancer therapy: Overexpressed receptors and nanotechnology. <i>Clinica Chimica Acta</i> , 2014, 436, 78-92.	0.5	184
14	Apoptosis induction by silica nanoparticles mediated through reactive oxygen species in human liver cell line HepG2. <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 160-168.	1.3	183
15	Nanotoxicity of pure silica mediated through oxidant generation rather than glutathione depletion in human lung epithelial cells. <i>Toxicology</i> , 2010, 276, 95-102.	2.0	161
16	Nickel oxide nanoparticles exert cytotoxicity via oxidative stress and induce apoptotic response in human liver cells (HepG2). <i>Chemosphere</i> , 2013, 93, 2514-2522.	4.2	143
17	Nickel oxide nanoparticles induce cytotoxicity, oxidative stress and apoptosis in cultured human cells that is abrogated by the dietary antioxidant curcumin. <i>Food and Chemical Toxicology</i> , 2012, 50, 641-647.	1.8	140
18	Toxic response of nickel nanoparticles in human lung epithelial A549 cells. <i>Toxicology in Vitro</i> , 2011, 25, 930-936.	1.1	136

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19	Ag-doping regulates the cytotoxicity of TiO ₂ nanoparticles via oxidative stress in human cancer cells. <i>Scientific Reports</i> , 2017, 7, 17662.	1.6	127
20	Microstructural properties and enhanced photocatalytic performance of Zn doped CeO ₂ nanocrystals. <i>Scientific Reports</i> , 2017, 7, 12560.	1.6	126
21	ZnO nanoparticles induce apoptosis in human dermal fibroblasts via p53 and p38 pathways. <i>Toxicology in Vitro</i> , 2011, 25, 1721-1726.	1.1	125
22	Green synthesis, characterization and evaluation of biocompatibility of silver nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1266-1271.	1.3	125
23	Environmental exposure to lead and its correlation with biochemical indices in children. <i>Science of the Total Environment</i> , 2005, 346, 48-55.	3.9	118
24	Mechanism of ROS scavenging and antioxidant signalling by redox metallic and fullerene nanomaterials: Potential implications in ROS associated degenerative disorders. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 802-813.	1.1	118
25	Iron Oxide Nanoparticle-induced Oxidative Stress and Genotoxicity in Human Skin Epithelial and Lung Epithelial Cell Lines. <i>Current Pharmaceutical Design</i> , 2013, 19, 6681-6690.	0.9	114
26	Aluminum doping tunes band gap energy level as well as oxidative stress-mediated cytotoxicity of ZnO nanoparticles in MCF-7 cells. <i>Scientific Reports</i> , 2015, 5, 13876.	1.6	110
27	Oxidative stress and genotoxic effect of zinc oxide nanoparticles in freshwater snail <i>Lymnaea luteola</i> L.. <i>Aquatic Toxicology</i> , 2012, 124-125, 83-90.	1.9	107
28	SnO ₂ -Doped ZnO/Reduced Graphene Oxide Nanocomposites: Synthesis, Characterization, and Improved Anticancer Activity via Oxidative Stress Pathway. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 89-104.	3.3	95
29	Silica nanoparticles-induced cytotoxicity, oxidative stress and apoptosis in cultured A431 and A549 cells. <i>Human and Experimental Toxicology</i> , 2013, 32, 186-195.	1.1	91
30	Assessment of the lung toxicity of copper oxide nanoparticles: current status. <i>Nanomedicine</i> , 2015, 10, 2365-2377.	1.7	91
31	Dose-dependent genotoxicity of copper oxide nanoparticles stimulated by reactive oxygen species in human lung epithelial cells. <i>Toxicology and Industrial Health</i> , 2016, 32, 809-821.	0.6	91
32	Biomimetic Synthesis of Selenium Nanospheres by Bacterial Strain JS-11 and Its Role as a Biosensor for Nanotoxicity Assessment: A Novel Se-Bioassay. <i>PLoS ONE</i> , 2013, 8, e57404.	1.1	88
33	Interaction of lead with some essential trace metals in the blood of anemic children from Lucknow, India. <i>Clinica Chimica Acta</i> , 2007, 377, 92-97.	0.5	86
34	Oxidative stress mediated cytotoxicity and apoptosis response of bismuth oxide (Bi ₂ O ₃) nanoparticles in human breast cancer (MCF-7) cells. <i>Chemosphere</i> , 2019, 216, 823-831.	4.2	85
35	Comparative cytotoxic response of nickel ferrite nanoparticles in human liver HepG2 and breast MCF-7 cancer cells. <i>Chemosphere</i> , 2015, 135, 278-288.	4.2	79
36	Role of Zn doping in oxidative stress mediated cytotoxicity of TiO ₂ nanoparticles in human breast cancer MCF-7 cells. <i>Scientific Reports</i> , 2016, 6, 30196.	1.6	74

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37	Concentration-dependent induction of reactive oxygen species, cell cycle arrest and apoptosis in human liver cells after nickel nanoparticles exposure. <i>Environmental Toxicology</i> , 2015, 30, 137-148.	2.1	71
38	Oxidative stress contributes to cobalt oxide nanoparticles-induced cytotoxicity and DNA damage in human hepatocarcinoma cells. <i>International Journal of Nanomedicine</i> , 2013, 8, 189.	3.3	66
39	Copper ferrite nanoparticle-induced cytotoxicity and oxidative stress in human breast cancer MCF-7 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 46-54.	2.5	66
40	Rotenone-induced oxidative stress and apoptosis in human liver HepG2 cells. <i>Molecular and Cellular Biochemistry</i> , 2013, 384, 59-69.	1.4	65
41	Facile green synthesis of ZnO-RGO nanocomposites with enhanced anticancer efficacy. <i>Methods</i> , 2022, 199, 28-36.	1.9	63
42	Induction of oxidative stress, DNA damage, and apoptosis in a malignant human skin melanoma cell line after exposure to zinc oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 983.	3.3	62
43	Synthesis, characterization and toxicological evaluation of iron oxide nanoparticles in human lung alveolar epithelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 209-215.	2.5	60
44	Biocidal effect of copper and zinc oxide nanoparticles on human oral microbiome and biofilm formation. <i>Materials Letters</i> , 2013, 97, 67-70.	1.3	59
45	Structural and optical properties of In ₂ O ₃ nanostructured thin film. <i>Materials Letters</i> , 2012, 79, 119-121.	1.3	57
46	Zinc ferrite nanoparticle-induced cytotoxicity and oxidative stress in different human cells. <i>Cell and Bioscience</i> , 2015, 5, 55.	2.1	57
47	Investigation on the structure and physical properties of Fe ₃ O ₄ /RGO nanocomposites and their photocatalytic application. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 44-53.	1.9	57
48	Anti-biofilm and antibacterial activities of zinc oxide nanoparticles against the oral opportunistic pathogens <i>Candida albicans</i> and <i>Candida glabrata</i> . <i>European Journal of Oral Sciences</i> , 2014, 122, 397-403.	0.7	56
49	Cobalt iron oxide nanoparticles induce cytotoxicity and regulate the apoptotic genes through ROS in human liver cells (HepG2). <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 665-673.	2.5	56
50	Selective killing of cancer cells by iron oxide nanoparticles mediated through reactive oxygen species via p53 pathway. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	55
51	Molybdenum nanoparticles-induced cytotoxicity, oxidative stress, G2/M arrest, and DNA damage in mouse skin fibroblast cells (L929). <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 73-81.	2.5	55
52	Preventive effect of TiO ₂ nanoparticles on heavy metal Pb-induced toxicity in human lung epithelial (A549) cells. <i>Toxicology in Vitro</i> , 2019, 57, 18-27.	1.1	53
53	Glutathione replenishing potential of CeO ₂ nanoparticles in human breast and fibrosarcoma cells. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 21-27.	5.0	52
54	Silver-Decorated Cobalt Ferrite Nanoparticles Anchored onto the Graphene Sheets as Electrode Materials for Electrochemical and Photocatalytic Applications. <i>ACS Omega</i> , 2020, 5, 31076-31084.	1.6	52

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55	Unraveling the mechanism of arbidol binding and inhibition of SARS-CoV-2: Insights from atomistic simulations. <i>European Journal of Pharmacology</i> , 2021, 894, 173836.	1.7	51
56	Effective inhibition of bacterial respiration and growth by CuO microspheres composed of thin nanosheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 211-217.	2.5	48
57	Facile Synthesis of Zn-Doped Bi ₂ O ₃ Nanoparticles and Their Selective Cytotoxicity toward Cancer Cells. <i>ACS Omega</i> , 2021, 6, 17353-17361.	1.6	48
58	Structural and spectroscopic studies of thin film of silver nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 10607-10612.	3.1	47
59	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 1284-1293.	1.4	47
60	Delta-aminolevulinic acid dehydratase inhibition and oxidative stress in relation to blood lead among urban adolescents. <i>Human and Experimental Toxicology</i> , 2006, 25, 547-553.	1.1	45
61	Microstructure and blueshift in optical band gap of nanocrystalline Al _x Zn _{1-x} O thin films. <i>Journal of Luminescence</i> , 2014, 155, 275-281.	1.5	45
62	Selective cancer-killing ability of metal-based nanoparticles: implications for cancer therapy. <i>Archives of Toxicology</i> , 2015, 89, 1895-1907.	1.9	45
63	Antioxidative and cytoprotective response elicited by molybdenum nanoparticles in human cells. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 370-377.	5.0	45
64	Nickel nanoparticle-induced dose-dependent cyto-genotoxicity in human breast carcinoma MCF-7 cells. <i>OncoTargets and Therapy</i> , 2014, 7, 269.	1.0	44
65	Virtual screening of phytoconstituents from miracle herb <i>nigella sativa</i> targeting nucleocapsid protein and papain-like protease of SARS-CoV-2 for COVID-19 treatment. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3928-3948.	2.0	44
66	A Novel Green Preparation of Ag/RGO Nanocomposites with Highly Effective Anticancer Performance. <i>Polymers</i> , 2021, 13, 3350.	2.0	44
67	Oxidative stress and neurological disorders in relation to blood lead levels in children. <i>Redox Report</i> , 2008, 13, 117-122.	1.4	43
68	Placental lead-induced oxidative stress and preterm delivery. <i>Environmental Toxicology and Pharmacology</i> , 2009, 27, 70-74.	2.0	43
69	Protective effect of sulphoraphane against oxidative stress mediated toxicity induced by CuO nanoparticles in mouse embryonic fibroblasts BALB 3T3. <i>Journal of Toxicological Sciences</i> , 2012, 37, 139-148.	0.7	43
70	Mesoporous multi-silica layer-coated Y ₂ O ₃ :Eu core-shell nanoparticles: Synthesis, luminescent properties and cytotoxicity evaluation. <i>Materials Science and Engineering C</i> , 2019, 96, 365-373.	3.8	42
71	Lanthanum phosphate foam as novel heterogeneous nanocatalyst for biodiesel production from waste cooking oil. <i>Renewable Energy</i> , 2021, 176, 228-236.	4.3	41
72	Dielectric and electromagnetic interference shielding properties of carbon black nanoparticles reinforced PVA/PEG blend nanocomposite films. <i>Materials Research Express</i> , 2020, 7, 064008.	0.8	40

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73	Enhanced Anticancer Performance of Eco-Friendly-Prepared Mo-ZnO/RGO Nanocomposites: Role of Oxidative Stress and Apoptosis. <i>ACS Omega</i> , 2022, 7, 7103-7115.	1.6	40
74	Zinc oxide and titanium dioxide nanoparticles induce oxidative stress, inhibit growth, and attenuate biofilm formation activity of <i>Streptococcus mitis</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 295-303.	1.1	39
75	Oxidative stress mediated cytotoxicity of tin (IV) oxide (SnO ₂) nanoparticles in human breast cancer (MCF-7) cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 152-160.	2.5	39
76	Comparative effectiveness of NiCl ₂ , Ni- and NiO-NPs in controlling oral bacterial growth and biofilm formation on oral surfaces. <i>Archives of Oral Biology</i> , 2013, 58, 1804-1811.	0.8	38
77	Inhalation method for delivery of nanoparticles to the <i>Drosophila</i> respiratory system for toxicity testing. <i>Science of the Total Environment</i> , 2009, 408, 439-443.	3.9	37
78	Prolonged exposure of colon cancer cells to 5-fluorouracil nanoparticles improves its anticancer activity. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 206-213.	1.2	37
79	Co-Exposure to SiO ₂ Nanoparticles and Arsenic Induced Augmentation of Oxidative Stress and Mitochondria-Dependent Apoptosis in Human Cells. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3199.	1.2	36
80	Different cytotoxic and apoptotic responses of MCF-7 and HT1080 cells to MnO ₂ nanoparticles are based on similar mode of action. <i>Toxicology</i> , 2019, 411, 71-80.	2.0	36
81	Facile Synthesis, Characterization, Photocatalytic Activity, and Cytotoxicity of Ag-Doped MgO Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2915.	1.9	36
82	Childhood aplastic anaemia in Lucknow, India: Incidence, organochlorines in the blood and review of case reports following exposure to pesticides. <i>Clinical Biochemistry</i> , 2006, 39, 762-766.	0.8	34
83	Nanotoxicity of cobalt induced by oxidant generation and glutathione depletion in MCF-7 cells. <i>Toxicology in Vitro</i> , 2017, 40, 94-101.	1.1	32
84	Hydrothermal preparation of Zn-doped In ₂ O ₃ nanostructure and its microstructural, optical, magnetic, photocatalytic and dielectric behaviour. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156479.	2.8	32
85	Variations and similarities in structural, chemical, and elemental properties on the ashes derived from the coal due to their combustion in open and controlled manner. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32609-32625.	2.7	31
86	Nanocubes of indium oxide induce cytotoxicity and apoptosis through oxidative stress in human lung epithelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 157-164.	2.5	30
87	TiO ₂ nanoparticles potentiated the cytotoxicity, oxidative stress and apoptosis response of cadmium in two different human cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10425-10435.	2.7	29
88	Environmental lead exposure as a risk for childhood aplastic anemia. <i>BioScience Trends</i> , 2011, 5, 38-43.	1.1	28
89	Evaluation of the Cytotoxicity and Oxidative Stress Response of CeO ₂ -RGO Nanocomposites in Human Lung Epithelial A549 Cells. <i>Nanomaterials</i> , 2019, 9, 1709.	1.9	28
90	Crystallite structural, electrical and luminescent characteristics of thin films of In ₂ O ₃ nanocubes synthesized by spray pyrolysis. <i>Electronic Materials Letters</i> , 2013, 9, 53-57.	1.0	27

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91	Sub-lethal doses of widespread nanoparticles promote antifungal activity in <i>Pseudomonas protegens</i> CHAO. <i>Science of the Total Environment</i> , 2018, 627, 658-662.	3.9	27
92	Gadolinium Oxide Nanoparticles Induce Toxicity in Human Endothelial HUVECs via Lipid Peroxidation, Mitochondrial Dysfunction and Autophagy Modulation. <i>Nanomaterials</i> , 2020, 10, 1675.	1.9	27
93	Enhanced structural, optical, electrical properties and antibacterial activity of PEO/CMC doped ZnO nanorods for energy storage and food packaging applications. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	27
94	Influence of silver doping on the structure, optical and photocatalytic properties of Ag-doped BaTiO ₃ ceramics. <i>Materials Chemistry and Physics</i> , 2021, 259, 124058.	2.0	26
95	CdS quantum dots: growth, microstructural, optical and electrical characteristics. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	24
96	Highly biocompatible, monodispersed and mesoporous La(OH) ₃ :Eu@mSiO ₂ core-shell nanospheres: Synthesis and luminescent properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 133-139.	2.5	24
97	MgO nanoparticles cytotoxicity caused primarily by GSH depletion in human lung epithelial cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 283-290.	1.5	23
98	Copper doping enhanced the oxidative stress-mediated cytotoxicity of TiO ₂ nanoparticles in A549 cells. <i>Human and Experimental Toxicology</i> , 2018, 37, 496-507.	1.1	21
99	Survival of probiotic bacteria in the presence of food grade nanoparticles from chocolates: an in vitro and in vivo study. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6689-6700.	1.7	21
100	Reduced graphene oxide mitigates cadmium-induced cytotoxicity and oxidative stress in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2020, 143, 111515.	1.8	21
101	BaTiO ₃ @rGO nanocomposite: enhanced photocatalytic activity as well as improved electrode performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12911-12921.	1.1	21
102	Barium Titanate (BaTiO ₃) Nanoparticles Exert Cytotoxicity through Oxidative Stress in Human Lung Carcinoma (A549) Cells. <i>Nanomaterials</i> , 2020, 10, 2309.	1.9	20
103	Blood lead levels in children of Lucknow, India. <i>Environmental Toxicology</i> , 2010, 25, 48-54.	2.1	19
104	Cytotoxicity and apoptosis induction by nanoscale talc particles from two different geographical regions in human lung epithelial cells. <i>Environmental Toxicology</i> , 2014, 29, 394-406.	2.1	19
105	Structural, electrical and optical properties of nanocrystalline silicon thin films deposited by pulsed laser ablation. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 169-173.	1.9	19
106	Cytotoxicity of <i>Moringa oleifera</i> fruits on human liver cancer and molecular docking analysis of bioactive constituents against caspase-3 enzyme. <i>Journal of Food Biochemistry</i> , 2021, 45, e13720.	1.2	19
107	MicroRNA in carcinogenesis & cancer diagnostics: a new paradigm. <i>Indian Journal of Medical Research</i> , 2013, 137, 680-94.	0.4	18
108	Challenges facing nanotoxicology and nanomedicine due to cellular diversity. <i>Clinica Chimica Acta</i> , 2018, 487, 186-196.	0.5	17

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109	Mitochondrial dysfunction, autophagy stimulation and non-apoptotic cell death caused by nitric oxide-inducing Pt-coated Au nanoparticle in human lung carcinoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129452.	1.1	17
110	High Performance of Carbon Monoxide Gas Sensor Based on a Novel PEDOT:PSS/PPA Nanocomposite. <i>ACS Omega</i> , 2022, 7, 22492-22499.	1.6	17
111	Co-exposure of Bi ₂ O ₃ nanoparticles and bezo[a]pyrene-enhanced in vitro cytotoxicity of mouse spermatogonia cells. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17109-17118.	2.7	16
112	Green and chemical synthesis of CuO nanoparticles: A comparative study for several in vitro bioactivities and in vivo toxicity in zebrafish embryos. <i>Journal of King Saud University - Science</i> , 2022, 34, 102092.	1.6	16
113	Frequency and temperature dependence of dielectric permittivity/electric modulus, and efficient photocatalytic action of Fe-doped CeO ₂ NPs. <i>Journal of Alloys and Compounds</i> , 2021, 856, 158127.	2.8	15
114	Structural and electrical properties of spray deposited thin films of CuInS ₂ nanocrystals. <i>Materials Letters</i> , 2012, 68, 497-500.	1.3	14
115	Therapeutic targets in the selective killing of cancer cells by nanomaterials. <i>Clinica Chimica Acta</i> , 2017, 469, 53-62.	0.5	14
116	Investigation of Cytotoxicity, Apoptosis, and Oxidative Stress Response of Fe ₃ O ₄ -RGO Nanocomposites in Human Liver HepG2 cells. <i>Materials</i> , 2020, 13, 660.	1.3	14
117	Clouding phenomena and thermodynamics of TX-100+polyethylene glycol mixture: influence of several electrolytes. <i>Chemical Papers</i> , 2021, 75, 1363-1375.	1.0	14
118	Poly(oligo(ethylene glycol) methyl ether methacrylate) Capped pH-Responsive Poly(2-(diethylamino)ethyl methacrylate) Brushes Grafted on Mesoporous Silica Nanoparticles as Nanocarrier. <i>Polymers</i> , 2021, 13, 823.	2.0	14
119	Toxicity Mechanism of Gadolinium Oxide Nanoparticles and Gadolinium Ions in Human Breast Cancer Cells. <i>Current Drug Metabolism</i> , 2019, 20, 907-917.	0.7	14
120	Synthesis and characterization of some abundant nanoparticles, their antimicrobial and enzyme inhibition activity. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2017, 64, 203-216.	0.4	13
121	One-Pot Synthesis of SnO ₂ -rGO Nanocomposite for Enhanced Photocatalytic and Anticancer Activity. <i>Polymers</i> , 2022, 14, 2036.	2.0	13
122	Effect of Trans-resveratrol on rotenone-induced cytotoxicity in human breast adenocarcinoma cells. <i>Toxicology International</i> , 2011, 18, 105.	0.1	12
123	Structural Characterisation and Assessment of the Novel <i>Bacillus amyloliquefaciens</i> RK3 Exopolysaccharide on the Improvement of Cognitive Function in Alzheimer's Disease Mice. <i>Polymers</i> , 2021, 13, 2842.	2.0	12
124	Copper Oxide Nanoparticles Exhibit Cell Death Through Oxidative Stress Responses in Human Airway Epithelial Cells: a Mechanistic Study. <i>Biological Trace Element Research</i> , 2022, 200, 5042-5051.	1.9	12
125	Temperature-Responsive Polymer Microgel-Gold Nanorods Composite Particles: Physicochemical Characterization and Cytocompatibility. <i>Polymers</i> , 2018, 10, 99.	2.0	11
126	Influence of silica nanoparticles on cadmium-induced cytotoxicity, oxidative stress, and apoptosis in human liver HepG2 cells. <i>Environmental Toxicology</i> , 2020, 35, 599-608.	2.1	11

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127	Optimization on Tribological Behaviour of AA7178/Nano Titanium Diboride Hybrid Composites Employing Taguchi Techniques. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	1.5	11
128	Citrus limetta Risso peel mediated green synthesis of gold nanoparticles and its antioxidant and catalytic activity. <i>Journal of King Saud University - Science</i> , 2022, 34, 102235.	1.6	11
129	High Surface Reactivity and Biocompatibility of Y2O3 NPs in Human MCF-7 Epithelial and HT-1080 Fibro-Blast Cells. <i>Molecules</i> , 2020, 25, 1137.	1.7	10
130	Performance Assessment of Robust P&O Algorithm Using Optimal Hypothetical Position of Generator Speed. <i>IEEE Access</i> , 2021, 9, 30469-30485.	2.6	10
131	Single-Walled Carbon Nanotubes Attenuate Cytotoxic and Oxidative Stress Response of Pb in Human Lung Epithelial (A549) Cells. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8221.	1.2	9
132	Combined effect of single-walled carbon nanotubes and cadmium on human lung cancer cells. <i>Environmental Science and Pollution Research</i> , 2022, 29, 87844-87857.	2.7	9
133	Comparative cytotoxicity of dolomite nanoparticles in human larynx HEp2 and liver HepG2 cells. <i>Journal of Applied Toxicology</i> , 2015, 35, 640-650.	1.4	8
134	Cytotoxic response of platinum-coated gold nanorods in human breast cancer cells at very low exposure levels. <i>Environmental Toxicology</i> , 2016, 31, 1344-1356.	2.1	8
135	Anti-Inflammatory CeO2 Nanoparticles Prevented Cytotoxicity Due to Exogenous Nitric Oxide Donors via Induction Rather Than Inhibition of Superoxide/Nitric Oxide in HUVE Cells. <i>Molecules</i> , 2021, 26, 5416.	1.7	8
136	In vitro antidiabetic and anti-inflammatory effects of Fe-doped CuO-rice husk silica (Fe-CuO-SiO2) nanocomposites and their enhanced innate immunity in zebrafish. <i>Journal of King Saud University - Science</i> , 2022, 34, 102121.	1.6	8
137	Lipid peroxidation and antioxidant status in the blood of children with aplastic anemia. <i>Clinica Chimica Acta</i> , 2006, 374, 176-177.	0.5	7
138	Cytotoxicity and apoptosis response of hexagonal zinc oxide nanorods against human hepatocellular liver carcinoma cell line. <i>Journal of King Saud University - Science</i> , 2021, 33, 101658.	1.6	6
139	CeO2-Zn Nanocomposite Induced Superoxide, Autophagy and a Non-Apoptotic Mode of Cell Death in Human Umbilical-Vein-Derived Endothelial (HUVE) Cells. <i>Toxics</i> , 2022, 10, 250.	1.6	6
140	Fe-doping induced tailoring in the microstructure and optical properties of ZnO nanoparticles synthesized via sol-gel route. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6113-6118.	1.1	5
141	Alleviating effects of reduced graphene oxide against lead-induced cytotoxicity and oxidative stress in human alveolar epithelial (A549) cells. <i>Journal of Applied Toxicology</i> , 2020, 40, 1228-1238.	1.4	5
142	Crosslinked Coating Improves the Signal-to-Noise Ratio of Iron Oxide Nanoparticles in Magnetic Particle Imaging (MPI). <i>ChemNanoMat</i> , 2020, 6, 755-758.	1.5	5
143	Pt-Coated Au Nanoparticle Toxicity Is Preferentially Triggered Via Mitochondrial Nitric Oxide/Reactive Oxygen Species in Human Liver Cancer (HepG2) Cells. <i>ACS Omega</i> , 2021, 6, 15431-15441.	1.6	5
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