Maqusood Ahamed

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Silver nanoparticle applications and human health. Clinica Chimica Acta, 2010, 411, 1841-1848.	1.1	1,072
2	DNA damage response to different surface chemistry of silver nanoparticles in mammalian cells. Toxicology and Applied Pharmacology, 2008, 233, 404-410.	2.8	646
3	Zinc oxide nanoparticles selectively induce apoptosis in human cancer cells through reactive oxygen species. International Journal of Nanomedicine, 2012, 7, 845.	6.7	435
4	Silver nanoparticles induced heat shock protein 70, oxidative stress and apoptosis in Drosophila melanogaster. Toxicology and Applied Pharmacology, 2010, 242, 263-269.	2.8	415
5	Low level lead exposure and oxidative stress: Current opinions. Clinica Chimica Acta, 2007, 383, 57-64.	1.1	356
6	Synthesis, Characterization, and Antimicrobial Activity of Copper Oxide Nanoparticles. Journal of Nanomaterials, 2014, 2014, 1-4.	2.7	330
7	Genotoxic potential of copper oxide nanoparticles in human lung epithelial cells. Biochemical and Biophysical Research Communications, 2010, 396, 578-583.	2.1	321
8	Copper Oxide Nanoparticles Induced Mitochondria Mediated Apoptosis in Human Hepatocarcinoma Cells. PLoS ONE, 2013, 8, e69534.	2.5	285
9	Oxidative stress mediated apoptosis induced by nickel ferrite nanoparticles in cultured A549 cells. Toxicology, 2011, 283, 101-108.	4.2	279
10	Structural and thermal studies of silver nanoparticles and electrical transport study of their thin films. Nanoscale Research Letters, 2011, 6, 434.	5.7	230
11	Environmental lead toxicity and nutritional factors. Clinical Nutrition, 2007, 26, 400-408.	5.0	217
12	ZnO nanorod-induced apoptosis in human alveolar adenocarcinoma cells via p53, survivin and bax/bcl-2 pathways: role of oxidative stress. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 904-913.	3.3	209
13	Targeted anticancer therapy: Overexpressed receptors and nanotechnology. Clinica Chimica Acta, 2014, 436, 78-92.	1.1	184
14	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
15	Nanotoxicity of pure silica mediated through oxidant generation rather than glutathione depletion in human lung epithelial cells. Toxicology, 2010, 276, 95-102.	4.2	161
16	Nickel oxide nanoparticles exert cytotoxicity via oxidative stress and induce apoptotic response in human liver cells (HepG2). Chemosphere, 2013, 93, 2514-2522.	8.2	143
17	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
18	Toxic response of nickel nanoparticles in human lung epithelial A549 cells. Toxicology in Vitro, 2011, 25, 930-936.	2.4	136

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19	Ag-doping regulates the cytotoxicity of TiO2 nanoparticles via oxidative stress in human cancer cells. Scientific Reports, 2017, 7, 17662.	3.3	127
20	Microstructural properties and enhanced photocatalytic performance of Zn doped CeO2 nanocrystals. Scientific Reports, 2017, 7, 12560.	3.3	126
21	ZnO nanoparticles induce apoptosis in human dermal fibroblasts via p53 and p38 pathways. Toxicology in Vitro, 2011, 25, 1721-1726.	2.4	125
22	Green synthesis, characterization and evaluation of biocompatibility of silver nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1266-1271.	2.7	125
23	Environmental exposure to lead and its correlation with biochemical indices in children. Science of the Total Environment, 2005, 346, 48-55.	8.0	118
24	Mechanism of ROS scavenging and antioxidant signalling by redox metallic and fullerene nanomaterials: Potential implications in ROS associated degenerative disorders. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 802-813.	2.4	118
25	Iron Oxide Nanoparticle-induced Oxidative Stress and Genotoxicity in Human Skin Epithelial and Lung Epithelial Cell Lines. Current Pharmaceutical Design, 2013, 19, 6681-6690.	1.9	114
26	Aluminum doping tunes band gap energy level as well as oxidative stress-mediated cytotoxicity of ZnO nanoparticles in MCF-7 cells. Scientific Reports, 2015, 5, 13876.	3.3	110
27	Oxidative stress and genotoxic effect of zinc oxide nanoparticles in freshwater snail Lymnaea luteola L Aquatic Toxicology, 2012, 124-125, 83-90.	4.0	107
28	SnO2-Doped ZnO/Reduced Graphene Oxide Nanocomposites: Synthesis, Characterization, and Improved Anticancer Activity via Oxidative Stress Pathway. International Journal of Nanomedicine, 2021, Volume 16, 89-104.	6.7	95
29	Silica nanoparticles-induced cytotoxicity, oxidative stress and apoptosis in cultured A431 and A549 cells. Human and Experimental Toxicology, 2013, 32, 186-195.	2.2	91
30	Assessment of the lung toxicity of copper oxide nanoparticles: current status. Nanomedicine, 2015, 10, 2365-2377.	3.3	91
31	Dose-dependent genotoxicity of copper oxide nanoparticles stimulated by reactive oxygen species in human lung epithelial cells. Toxicology and Industrial Health, 2016, 32, 809-821.	1.4	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. PLoS ONE, 2013, 8, e57404.	2.5	88
33	Interaction of lead with some essential trace metals in the blood of anemic children from Lucknow, India. Clinica Chimica Acta, 2007, 377, 92-97.	1.1	86
34	Oxidative stress mediated cytotoxicity and apoptosis response of bismuth oxide (Bi2O3) nanoparticles in human breast cancer (MCF-7) cells. Chemosphere, 2019, 216, 823-831.	8.2	85
35	Comparative cytotoxic response of nickel ferrite nanoparticles in human liver HepG2 and breast MFC-7 cancer cells. Chemosphere, 2015, 135, 278-288.	8.2	79
36	Role of Zn doping in oxidative stress mediated cytotoxicity of TiO2 nanoparticles in human breast cancer MCF-7 cells. Scientific Reports, 2016, 6, 30196.	3.3	74

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37	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
38	Oxidative stress contributes to cobalt oxide nanoparticles-induced cytotoxicity and DNA damage in human hepatocarcinoma cells. International Journal of Nanomedicine, 2013, 8, 189.	6.7	66
39	Copper ferrite nanoparticle-induced cytotoxicity and oxidative stress in human breast cancer MCF-7 cells. Colloids and Surfaces B: Biointerfaces, 2016, 142, 46-54.	5.0	66
40	Rotenone-induced oxidative stress and apoptosis in human liver HepG2 cells. Molecular and Cellular Biochemistry, 2013, 384, 59-69.	3.1	65
41	Facile green synthesis of ZnO-RGO nanocomposites with enhanced anticancer efficacy. Methods, 2022, 199, 28-36.	3.8	63
42	Induction of oxidative stress, DNA damage, and apoptosis in a malignant human skin melanoma cell line after exposure to zinc oxide nanoparticles. International Journal of Nanomedicine, 2013, 8, 983.	6.7	62
43	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
44	Biocidal effect of copper and zinc oxide nanoparticles on human oral microbiome and biofilm formation. Materials Letters, 2013, 97, 67-70.	2.6	59
45	Structural and optical properties of In2O3 nanostructured thin film. Materials Letters, 2012, 79, 119-121.	2.6	57
46	Zinc ferrite nanoparticle-induced cytotoxicity and oxidative stress in different human cells. Cell and Bioscience, 2015, 5, 55.	4.8	57
47	Investigation on the structure and physical properties of Fe3O4/RGO nanocomposites and their photocatalytic application. Materials Science in Semiconductor Processing, 2019, 99, 44-53.	4.0	57
48	Antiâ€biofilm and antibacterial activities of zinc oxide nanoparticles against the oral opportunistic pathogens <i><scp>R</scp>othia dentocariosa</i> and <i><scp>R</scp>othia mucilaginosa</i> . European Journal of Oral Sciences, 2014, 122, 397-403.	1.5	56
49	Cobalt iron oxide nanoparticles induce cytotoxicity and regulate the apoptotic genes through ROS in human liver cells (HepG2). Colloids and Surfaces B: Biointerfaces, 2016, 148, 665-673.	5.0	56
50	Selective killing of cancer cells by iron oxide nanoparticles mediated through reactive oxygen species via p53 pathway. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	55
51	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
52	Preventive effect of TiO2 nanoparticles on heavy metal Pb-induced toxicity in human lung epithelial (A549) cells. Toxicology in Vitro, 2019, 57, 18-27.	2.4	53
53	Glutathione replenishing potential of CeO 2 nanoparticles in human breast and fibrosarcoma cells. Journal of Colloid and Interface Science, 2015, 453, 21-27.	9.4	52
54	Silver-Decorated Cobalt Ferrite Nanoparticles Anchored onto the Graphene Sheets as Electrode Materials for Electrochemical and Photocatalytic Applications. ACS Omega, 2020, 5, 31076-31084.	3.5	52

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55	Unraveling the mechanism of arbidol binding and inhibition of SARS-CoV-2: Insights from atomistic simulations. European Journal of Pharmacology, 2021, 894, 173836.	3.5	51
56	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
57	Facile Synthesis of Zn-Doped Bi ₂ O ₃ Nanoparticles and Their Selective Cytotoxicity toward Cancer Cells. ACS Omega, 2021, 6, 17353-17361.	3.5	48
58	Structural and spectroscopic studies of thin film of silver nanoparticles. Applied Surface Science, 2011, 257, 10607-10612.	6.1	47
59	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. Journal of Applied Toxicology, 2016, 36, 1284-1293.	2.8	47
60	Delta-aminolevulinic acid dehydratase inhibition and oxidative stress in relation to blood lead among urban adolescents. Human and Experimental Toxicology, 2006, 25, 547-553.	2.2	45
61	Microstructure and blueshift in optical band gap of nanocrystalline AlxZn1â^'xO thin films. Journal of Luminescence, 2014, 155, 275-281.	3.1	45
62	Selective cancer-killing ability of metal-based nanoparticles: implications for cancer therapy. Archives of Toxicology, 2015, 89, 1895-1907.	4.2	45
63	Antioxidative and cytoprotective response elicited by molybdenum nanoparticles in human cells. Journal of Colloid and Interface Science, 2015, 457, 370-377.	9.4	45
64	Nickel nanoparticle-induced dose-dependent cyto-genotoxicity in human breast carcinoma MCF-7 cells. OncoTargets and Therapy, 2014, 7, 269.	2.0	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. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3928-3948.	3.5	44
66	A Novel Green Preparation of Ag/RGO Nanocomposites with Highly Effective Anticancer Performance. Polymers, 2021, 13, 3350.	4.5	44
67	Oxidative stress and neurological disorders in relation to blood lead levels in children. Redox Report, 2008, 13, 117-122.	4.5	43
68	Placental lead-induced oxidative stress and preterm delivery. Environmental Toxicology and Pharmacology, 2009, 27, 70-74.	4.0	43
69	Protective effect of sulphoraphane against oxidative stress mediated toxicity induced by CuO nanoparticles in mouse embryonic fibroblasts BALB 3T3. Journal of Toxicological Sciences, 2012, 37, 139-148.	1.5	43
70	Mesoporous multi-silica layer-coated Y2O3:Eu core-shell nanoparticles: Synthesis, luminescent properties and cytotoxicity evaluation. Materials Science and Engineering C, 2019, 96, 365-373.	7.3	42
71	Lanthanum phosphate foam as novel heterogeneous nanocatalyst for biodiesel production from waste cooking oil. Renewable Energy, 2021, 176, 228-236.	8.9	41
72	Dielectric and electromagnetic interference shielding properties of carbon black nanoparticles reinforced PVA/PEG blend nanocomposite films. Materials Research Express, 2020, 7, 064008.	1.6	40

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73	Enhanced Anticancer Performance of Eco-Friendly-Prepared Mo-ZnO/RGO Nanocomposites: Role of Oxidative Stress and Apoptosis. ACS Omega, 2022, 7, 7103-7115.	3.5	40
74	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
75	Oxidative stress mediated cytotoxicity of tin (IV) oxide (SnO2) nanoparticles in human breast cancer (MCF-7) cells. Colloids and Surfaces B: Biointerfaces, 2018, 172, 152-160.	5.0	39
76	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
77	Inhalation method for delivery of nanoparticles to the Drosophila respiratory system for toxicity testing. Science of the Total Environment, 2009, 408, 439-443.	8.0	37
78	Prolonged exposure of colon cancer cells to 5-fluorouracil nanoparticles improves its anticancer activity. Saudi Pharmaceutical Journal, 2017, 25, 206-213.	2.7	37
79	Co-Exposure to SiO2 Nanoparticles and Arsenic Induced Augmentation of Oxidative Stress and Mitochondria-Dependent Apoptosis in Human Cells. International Journal of Environmental Research and Public Health, 2019, 16, 3199.	2.6	36
80	Different cytotoxic and apoptotic responses of MCF-7 and HT1080 cells to MnO2 nanoparticles are based on similar mode of action. Toxicology, 2019, 411, 71-80.	4.2	36
81	Facile Synthesis, Characterization, Photocatalytic Activity, and Cytotoxicity of Ag-Doped MgO Nanoparticles. Nanomaterials, 2021, 11, 2915.	4.1	36
82	Childhood aplastic anaemia in Lucknow, India: Incidence, organochlorines in the blood and review of case reports following exposure to pesticides. Clinical Biochemistry, 2006, 39, 762-766.	1.9	34
83	Nanotoxicity of cobalt induced by oxidant generation and glutathione depletion in MCF-7 cells. Toxicology in Vitro, 2017, 40, 94-101.	2.4	32
84	Hydrothermal preparation of Zn-doped In2O3 nanostructure and its microstructural, optical, magnetic, photocatalytic and dielectric behaviour. Journal of Alloys and Compounds, 2020, 846, 156479.	5.5	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. Environmental Science and Pollution Research, 2021, 28, 32609-32625.	5.3	31
86	Nanocubes of indium oxide induce cytotoxicity and apoptosis through oxidative stress in human lung epithelial cells. Colloids and Surfaces B: Biointerfaces, 2017, 156, 157-164.	5.0	30
87	TiO2 nanoparticles potentiated the cytotoxicity, oxidative stress and apoptosis response of cadmium in two different human cells. Environmental Science and Pollution Research, 2020, 27, 10425-10435.	5.3	29
88	Environmental lead exposure as a risk for childhood aplastic anemia. BioScience Trends, 2011, 5, 38-43.	3.4	28
89	Evaluation of the Cytotoxicity and Oxidative Stress Response of CeO2-RGO Nanocomposites in Human Lung Epithelial A549 Cells. Nanomaterials, 2019, 9, 1709.	4.1	28
90	Crystallite structural, electrical and luminescent characteristics of thin films of In2O3 nanocubes synthesized by spray pyrolysis. Electronic Materials Letters, 2013, 9, 53-57.	2.2	27

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91	Sub-lethal doses of widespread nanoparticles promote antifungal activity in Pseudomonas protegens CHA0. Science of the Total Environment, 2018, 627, 658-662.	8.0	27
92	Gadolinium Oxide Nanoparticles Induce Toxicity in Human Endothelial HUVECs via Lipid Peroxidation, Mitochondrial Dysfunction and Autophagy Modulation. Nanomaterials, 2020, 10, 1675.	4.1	27
93	Enhanced structural, optical, electrical properties and antibacterial activity of PEO/CMC doped ZnO nanorods for energy storage and food packaging applications. Journal of Polymer Research, 2022, 29, 1.	2.4	27
94	Influence of silver doping on the structure, optical and photocatalytic properties of Ag-doped BaTiO3 ceramics. Materials Chemistry and Physics, 2021, 259, 124058.	4.0	26
95	CdS quantum dots: growth, microstructural, optical and electrical characteristics. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	24
96	Highly biocompatible, monodispersed and mesoporous La(OH)3:Eu@mSiO2 core-shell nanospheres: Synthesis and luminescent properties. Colloids and Surfaces B: Biointerfaces, 2018, 163, 133-139.	5.0	24
97	MgO nanoparticles cytotoxicity caused primarily by GSH depletion in human lung epithelial cells. Journal of Trace Elements in Medicine and Biology, 2018, 50, 283-290.	3.0	23
98	Copper doping enhanced the oxidative stress–mediated cytotoxicity of TiO ₂ nanoparticles in A549 cells. Human and Experimental Toxicology, 2018, 37, 496-507.	2.2	21
99	Survival of probiotic bacteria in the presence of food grade nanoparticles from chocolates: an in vitro and in vivo study. Applied Microbiology and Biotechnology, 2019, 103, 6689-6700.	3.6	21
100	Reduced graphene oxide mitigates cadmium-induced cytotoxicity and oxidative stress in HepG2 cells. Food and Chemical Toxicology, 2020, 143, 111515.	3.6	21
101	BaTiO3@rGO nanocomposite: enhanced photocatalytic activity as well as improved electrode performance. Journal of Materials Science: Materials in Electronics, 2021, 32, 12911-12921.	2.2	21
102	Barium Titanate (BaTiO3) Nanoparticles Exert Cytotoxicity through Oxidative Stress in Human Lung Carcinoma (A549) Cells. Nanomaterials, 2020, 10, 2309.	4.1	20
103	Blood lead levels in children of Lucknow, India. Environmental Toxicology, 2010, 25, 48-54.	4.0	19
104	Cytotoxicity and apoptosis induction by nanoscale talc particles from two different geographical regions in human lung epithelial cells. Environmental Toxicology, 2014, 29, 394-406.	4.0	19
105	Structural, electrical and optical properties of nanocrystalline silicon thin films deposited by pulsed laser ablation. Materials Science in Semiconductor Processing, 2015, 30, 169-173.	4.0	19
106	Cytotoxicity of <i>Moringaoleifera</i> fruits on human liver cancer and molecular docking analysis of bioactive constituents against caspaseâ€3 enzyme. Journal of Food Biochemistry, 2021, 45, e13720.	2.9	19
107	MicroRNA in carcinogenesis & cancer diagnostics: a new paradigm. Indian Journal of Medical Research, 2013, 137, 680-94.	1.0	18
108	Challenges facing nanotoxicology and nanomedicine due to cellular diversity. Clinica Chimica Acta, 2018, 487, 186-196.	1.1	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. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129452.	2.4	17
110	High Performance of Carbon Monoxide Gas Sensor Based on a Novel PEDOT:PSS/PPA Nanocomposite. ACS Omega, 2022, 7, 22492-22499.	3.5	17
111	Co-exposure of Bi2O3 nanoparticles and bezo[a]pyrene-enhanced in vitro cytotoxicity of mouse spermatogonia cells. Environmental Science and Pollution Research, 2021, 28, 17109-17118.	5.3	16
112	Green and chemical synthesis of CuO nanoparticles: A comparative study for several in vitro bioactivities and in vivo toxicity in zebrafish embryos. Journal of King Saud University - Science, 2022, 34, 102092.	3.5	16
113	Frequency and temperature dependence of dielectric permittivity/electric modulus, and efficient photocatalytic action of Fe-doped CeO2 NPs. Journal of Alloys and Compounds, 2021, 856, 158127.	5.5	15
114	Structural and electrical properties of spray deposited thin films of CulnS2 nanocrystals. Materials Letters, 2012, 68, 497-500.	2.6	14
115	Therapeutic targets in the selective killing of cancer cells by nanomaterials. Clinica Chimica Acta, 2017, 469, 53-62.	1.1	14
116	Investigation of Cytotoxicity, Apoptosis, and Oxidative Stress Response of Fe3O4-RGO Nanocomposites in Human Liver HepG2 cells. Materials, 2020, 13, 660.	2.9	14
117	Clouding phenomena and thermodynamics of TX-100Â+Âpolyethylene glycol mixture: influence of several electrolytes. Chemical Papers, 2021, 75, 1363-1375.	2.2	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. Polymers, 2021, 13, 823.	4.5	14
119	Toxicity Mechanism of Gadolinium Oxide Nanoparticles and Gadolinium Ions in Human Breast Cancer Cells. Current Drug Metabolism, 2019, 20, 907-917.	1.2	14
120	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
121	One-Pot Synthesis of SnO2-rGO Nanocomposite for Enhanced Photocatalytic and Anticancer Activity. Polymers, 2022, 14, 2036.	4.5	13
122	Effect of Trans-resveratrol on rotenone-induced cytotoxicity in human breast adenocarcinoma cells. Toxicology International, 2011, 18, 105.	0.1	12
123	Structural Characterisation and Assessment of the Novel Bacillus amyloliquefaciens RK3 Exopolysaccharide on the Improvement of Cognitive Function in Alzheimer's Disease Mice. Polymers, 2021, 13, 2842.	4.5	12
124	Copper Oxide Nanoparticles Exhibit Cell Death Through Oxidative Stress Responses in Human Airway Epithelial Cells: a Mechanistic Study. Biological Trace Element Research, 2022, 200, 5042-5051.	3.5	12
125	Temperature-Responsive Polymer Microgel-Gold Nanorods Composite Particles: Physicochemical Characterization and Cytocompatibility. Polymers, 2018, 10, 99.	4.5	11
126	Influence of silica nanoparticles on cadmiumâ€induced cytotoxicity, oxidative stress, and apoptosis in human liver HepG2 cells. Environmental Toxicology, 2020, 35, 599-608.	4.0	11

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127	Optimization on Tribological Behaviour of AA7178/Nano Titanium Diboride Hybrid Composites Employing Taguchi Techniques. Journal of Nanomaterials, 2022, 2022, 1-8.	2.7	11
128	Citrus limetta Risso peel mediated green synthesis of gold nanoparticles and its antioxidant and catalytic activity. Journal of King Saud University - Science, 2022, 34, 102235.	3.5	11
129	High Surface Reactivity and Biocompatibility of Y2O3 NPs in Human MCF-7 Epithelial and HT-1080 Fibro-Blast Cells. Molecules, 2020, 25, 1137.	3.8	10
130	Performance Assessment of Robust P&O Algorithm Using Optimal Hypothetical Position of Generator Speed. IEEE Access, 2021, 9, 30469-30485.	4.2	10
131	Single-Walled Carbon Nanotubes Attenuate Cytotoxic and Oxidative Stress Response of Pb in Human Lung Epithelial (A549) Cells. International Journal of Environmental Research and Public Health, 2020, 17, 8221.	2.6	9
132	Combined effect of single-walled carbon nanotubes and cadmium on human lung cancer cells. Environmental Science and Pollution Research, 2022, 29, 87844-87857.	5.3	9
133	Comparative cytotoxicity of dolomite nanoparticles in human larynx HEp2 and liver HepG2 cells. Journal of Applied Toxicology, 2015, 35, 640-650.	2.8	8
134	Cytotoxic response of platinumâ€coated gold nanorods in human breast cancer cells at very low exposure levels. Environmental Toxicology, 2016, 31, 1344-1356.	4.0	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. Molecules, 2021, 26, 5416.	3.8	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. Journal of King Saud University - Science, 2022, 34, 102121.	3.5	8
137	Lipid peroxidation and antioxidant status in the blood of children with aplastic anemia. Clinica Chimica Acta, 2006, 374, 176-177.	1.1	7
138	Cytotoxicity and apoptosis response of hexagonal zinc oxide nanorods against human hepatocellular liver carcinoma cell line. Journal of King Saud University - Science, 2021, 33, 101658.	3.5	6
139	CeO2-Zn Nanocomposite Induced Superoxide, Autophagy and a Non-Apoptotic Mode of Cell Death in Human Umbilical-Vein-Derived Endothelial (HUVE) Cells. Toxics, 2022, 10, 250.	3.7	6
140	Fe-doping induced tailoring in the microstructure and optical properties of ZnO nanoparticles synthesized via sol–gel route. Journal of Materials Science: Materials in Electronics, 2015, 26, 6113-6118.	2.2	5
141	Alleviating effects of reduced graphene oxide against leadâ€induced cytotoxicity and oxidative stress in human alveolar epithelial (A549) cells. Journal of Applied Toxicology, 2020, 40, 1228-1238.	2.8	5
142	Crosslinked Coating Improves the Signalâ€ŧoâ€Noise Ratio of Iron Oxide Nanoparticles in Magnetic Particle Imaging (MPI). ChemNanoMat, 2020, 6, 755-758.	2.8	5
143	Pt-Coated Au Nanoparticle Toxicity Is Preferentially Triggered Via Mitochondrial Nitric Oxide/Reactive Oxygen Species in Human Liver Cancer (HepG2) Cells. ACS Omega, 2021, 6, 15431-15441.	3.5	5
144	Morphology and non-isothermal crystallization kinetics of CuInS2 nanocrystals synthesized by solvo-thermal method. Materials Characterization, 2012, 65, 109-114.	4.4	4

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145	Thermal Analysis of Flat Plate Solar Collector Using Different Nanofluids and Nanoparticles Percentages. IEEE Access, 2021, 9, 52053-52066.	4.2	4
146	Thermal decomposition derived nano molybdenum nitride for robust counter electrode in dye-sensitized solar cells. Materials Today Communications, 2021, 26, 102070.	1.9	4
147	Antimicrobial activity of green synthesized biodegradable alginate–silver (Alg-Ag) nanocomposite films against selected foodborne pathogens. Applied Nanoscience (Switzerland), 2023, 13, 651-662.	3.1	4
148	Fish mucus mediated biosynthesis of copper oxide nanoparticles: spectral characterization, morphology and biological activity. Materials Research Express, 2020, 7, 125012.	1.6	4
149	Experimental Analysis of the Thermal Performance of a Latent Heat Energy of Helical Coil for the Application of Solar Energy. International Journal of Photoenergy, 2022, 2022, 1-9.	2.5	3
150	Investigation of Mechanical and Physical Behaviours of Polyester Resin Matrix from Recycled Polyethylene Terephthalate with Bamboo Fibre. Advances in Materials Science and Engineering, 2022, 2022, 1-8.	1.8	2
151	Green synthesized chitosan modified platinum-doped silver nanocomposite: An investigation for biomedical and environmental applications. Journal of King Saud University - Science, 2022, 34, 102220.	3.5	2
152	Microstructure and optical characterization of nanometric silicon films prepared by pulsed laser ablation. Journal of Modern Optics, 2014, 61, 504-508.	1.3	1
153	Antiproliferative Activity of Cissus quadrangularis L. Extract Against Human Cervical Cancer Cells: In Vitro and In Silico Analysis. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 2536-2545.	1.7	1
154	First mass spectrometric report of cryptocyanin, a moulting protein from the mud crab <i>Scylla serrata</i> (Forskål, 1775) (Decapoda: Brachyura: Portunidae) in India. Journal of Crustacean Biology, 2021, 41, .	0.8	1
155	Histology and radiography studies of effects of Lepidium sativum seeds on bone healing in male albino rats. Journal of King Saud University - Science, 2022, 34, 102062.	3.5	Ο