

Abdulaziz A Al-Khedhairy

List of Publications by Year in descending order

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193
papers

8,000
citations

46918

47
h-index

62479

80
g-index

197
all docs

197
docs citations

197
times ranked

11178
citing authors

#	ARTICLE	IF	CITATIONS
1	Strontium-Doped Nickel Oxide Nanoparticles: Synthesis, Characterization, and Cytotoxicity Study in Human Lung Cancer A549 Cells. <i>Biological Trace Element Research</i> , 2022, 200, 1598-1607.	1.9	6
2	Organophosphorus Flame Retardant TDCPP Displays Genotoxic and Carcinogenic Risks in Human Liver Cells. <i>Cells</i> , 2022, 11, 195.	1.8	11
3	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
4	Silver Nanoparticles: An Instantaneous Solution for Anticancer Activity against Human Liver (HepG2) and Breast (MCF-7) Cancer Cells. <i>Metals</i> , 2022, 12, 148.	1.0	28
5	Size-Dependent Cytotoxic and Molecular Study of the Use of Gold Nanoparticles against Liver Cancer Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 901.	1.3	8
6	Cytotoxic and molecular assessment with copper and iron nanocomposite, act as a soft eradicator against cancer cells. <i>Journal of King Saud University - Science</i> , 2022, 34, 101908.	1.6	3
7	Cyto-Genotoxic and Transcriptomic Alterations in Human Liver Cells by Tris (2-Ethylhexyl) Phosphate (TEHP): A Putative Hepatocarcinogen. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3998.	1.8	3
8	Tris(2-butoxyethyl) phosphate (TBEP): A flame retardant in solid waste display hepatotoxic and carcinogenic risks for humans. <i>Chemosphere</i> , 2022, 296, 133977.	4.2	16
9	Clinical response of carboplatin-based chemotherapy and its association to genetic polymorphism in lung cancer patients from North India " A clinical pharmacogenomics study. <i>Journal of Cancer Research and Therapeutics</i> , 2022, 18, 109-118.	0.3	2
10	Neodymium oxide nanostructures and their cytotoxic evaluation in human cancer cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 73, 127029.	1.5	3
11	Neuroprotective Effects of <i>Withania somnifera</i> on 4-Hydroxynonenal Induced Cell Death in Human Neuroblastoma SH-SY5Y Cells Through ROS Inhibition and Apoptotic Mitochondrial Pathway. <i>Neurochemical Research</i> , 2021, 46, 171-182.	1.6	2
12	Protective effects of <i>Nigella sativa</i> extract against H ₂ O ₂ -induced cell death through the inhibition of DNA damage and cell cycle arrest in human umbilical vein endothelial cells (HUVECs). <i>Journal of Applied Toxicology</i> , 2021, 41, 820-831.	1.4	5
13	Oxidative Stress Mediated Cytotoxicity, Cell Cycle Arrest, and Apoptosis Induced by <i>Rosa damascena</i> in Human Cervical Cancer HeLa Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	1.9	13
14	Carbofuran cytotoxicity, DNA damage, oxidative stress, and cell death in human umbilical vein endothelial cells: Evidence of vascular toxicity. <i>Journal of Applied Toxicology</i> , 2021, 41, 847-860.	1.4	10
15	Cytotoxic and molecular assessment against breast (MCF-7) cancer cells with cobalt oxide nanoballs. <i>Journal of King Saud University - Science</i> , 2021, 33, 101467.	1.6	2
16	Cytotoxic assessment of liver cancer cells (HepG2) with raw, functionalized multiwalled carbon nanotubes and their comparison with nanohydroxyapatite. <i>Journal of King Saud University - Science</i> , 2021, 33, 101444.	1.6	6
17	Cytotoxicity and genotoxicity of methomyl, carbaryl, metalaxyl, and pendimethalin in human umbilical vein endothelial cells. <i>Journal of Applied Toxicology</i> , 2021, 41, 832-846.	1.4	20
18	Peanut-shaped ZnO nanostructures: A driving force for enriched antibacterial activity and their statistical analysis. <i>Ceramics International</i> , 2020, 46, 307-316.	2.3	11

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19	Quantization of SnO ₂ dots: Apoptosis and intrinsic effect of quantum dots for myoblast cancer cells with caspase 3/7 genes. <i>Ceramics International</i> , 2020, 46, 6383-6395.	2.3	3
20	High-throughput transcriptomics: An insight on the pathways affected in HepG2 cells exposed to nickel oxide nanoparticles. <i>Chemosphere</i> , 2020, 244, 125488.	4.2	17
21	Rapid sensing response for phenol with CuO nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125424.	2.3	12
22	Synthesis, optical properties and toxic potentiality of photoluminescent lanthanum oxide nanospheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125511.	2.3	12
23	Tris(2-chloroethyl) Phosphate (TCEP) Elicits Hepatotoxicity by Activating Human Cancer Pathway Genes in HepG2 Cells. <i>Toxics</i> , 2020, 8, 109.	1.6	14
24	Single and Multi-metal Oxide Nanoparticles Induced Cytotoxicity and ROS Generation in Human Breast Cancer (MCF-7) Cells. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4106-4116.	1.9	11
25	Petroselinum sativum protects HepG2 cells from cytotoxicity and oxidative stress induced by hydrogen peroxide. <i>Molecular Biology Reports</i> , 2020, 47, 2771-2780.	1.0	10
26	Cold Atmospheric Plasma and Gold Quantum Dots Exert Dual Cytotoxicity Mediated by the Cell Receptor-Activated Apoptotic Pathway in Glioblastoma Cells. <i>Cancers</i> , 2020, 12, 457.	1.7	26
27	Cytotoxicity and cell death induced by engineered nanostructures (quantum dots and nanoparticles) in human cell lines. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 325-338.	1.1	24
28	Anticancer efficacies of persicogenin and homoeriodictyol isolated from <i>Rhus retinorrhoea</i> . <i>Process Biochemistry</i> , 2020, 95, 186-196.	1.8	11
29	Bio-functionalized CuO nanoparticles induced apoptotic activities in human breast carcinoma cells and toxicity against <i>Aspergillus flavus</i> : An in vitro approach. <i>Process Biochemistry</i> , 2020, 91, 387-397.	1.8	56
30	Role of Solvent System in Green Synthesis of Nanoparticles. , 2020, , 53-74.		2
31	Anti-cancer efficacy of Aloe vera capped hematite nanoparticles in human breast cancer (MCF-7) cells. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102052.	1.4	8
32	Surface Engineering Techniques Associated with Stability, Biocompatibility, and Toxicity of Nanoparticles. , 2020, , 75-101.		0
33	Organophosphorus flame retardant (tricresyl phosphate) trigger apoptosis in HepG2 cells: Transcriptomic evidence on activation of human cancer pathways. <i>Chemosphere</i> , 2019, 237, 124519.	4.2	27
34	Toxicity response of highly colloidal, bioactive, monodisperse SiO ₂ @ Pr(OH) ₃ hollow microspheres. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110390.	2.5	8
35	Myristica fragrans bio-active ester functionalized ZnO nanoparticles exhibit antibacterial and antibiofilm activities in clinical isolates. <i>Journal of Microbiological Methods</i> , 2019, 166, 105716.	0.7	37
36	Multiple evaluation of the potential toxic effects of sediments and biota collected from an oil-polluted area around Abu Ali Island, Saudi Arabia, Arabian Gulf. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109547.	2.9	9

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37	Cold atmospheric plasma and silymarin nanoemulsion synergistically inhibits human melanoma tumorigenesis via targeting HGF/c-MET downstream pathway. <i>Cell Communication and Signaling</i> , 2019, 17, 52.	2.7	58
38	Occurrence and bioaccumulation of persistent toxic substances in sediments and biota from intertidal zone of Abu Ali Island, Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2019, 144, 243-252.	2.3	11
39	Comparative in situ ROS mediated killing of bacteria with bulk analogue, Eucalyptus leaf extract (ELE)-capped and bare surface copper oxide nanoparticles. <i>Materials Science and Engineering C</i> , 2019, 100, 747-758.	3.8	77
40	Gold quantum dots impair the tumorigenic potential of glioma stem-like cells via β -catenin downregulation in vitro. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1131-1148.	3.3	16
41	Corn Silk (<i>Zea mays L.</i>) Induced Apoptosis in Human Breast Cancer (MCF-7) Cells via the ROS-Mediated Mitochondrial Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	28
42	Cytotoxicity and mitochondrial-mediated apoptosis induced by Fenugreek seed oil in human hepatocellular carcinoma cells via reactive oxygen species generation. <i>Pharmacognosy Magazine</i> , 2019, 15, 12.	0.3	2
43	Bacterial isolates exhibiting multidrug resistance, hemolytic activity, and high 16S rRNA gene similarity with well-known pathogens found in camel milk samples of Riyadh region. <i>Apmis</i> , 2018, 126, 215-226.	0.9	3
44	Nickel Oxide Nanoparticles Induced Transcriptomic Alterations in HEPG2 Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 163-174.	0.8	22
45	Cytotoxic, genetic and statistical analytical evaluation of functionalized CNTs with C2C12 cells. <i>Vacuum</i> , 2018, 152, 348-357.	1.6	2
46	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
47	The influence of soil properties and geographical distance on the bacterial community compositions of paddy soils enriched on SMFC anodes. <i>Journal of Soils and Sediments</i> , 2018, 18, 517-525.	1.5	14
48	Functional genomics assessment of narcotic and specific acting chemical pollutants using <i>E. Coli</i> . <i>Environmental Pollution</i> , 2018, 232, 146-153.	3.7	7
49	Pendimethalin induces oxidative stress, DNA damage, and mitochondrial dysfunction to trigger apoptosis in human lymphocytes and rat bone-marrow cells. <i>Histochemistry and Cell Biology</i> , 2018, 149, 127-141.	0.8	25
50	Titanium dioxide nanoparticles preferentially bind in subdomains IB, IIA of HSA and minor groove of DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 2530-2542.	2.0	20
51	An improved method of DNA preparation for PCR-based detection of <i>Brucella</i> in raw camel milk samples from Riyadh region and its comparison with immunological methods. <i>Journal of Food Safety</i> , 2018, 38, e12381.	1.1	5
52	Anticancer Potential of Green Synthesized Silver Nanoparticles Using Extract of <i>Nepeta deflersiana</i> against Human Cervical Cancer Cells (HeLa). <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-12.	1.8	178
53	Phytotoxic Assessment of Nickel Oxide (NiO) Nanoparticles in Radish. , 2018, , 269-284.		1
54	Hematite iron oxide nanoparticles: apoptosis of myoblast cancer cells and their arithmetical assessment. <i>RSC Advances</i> , 2018, 8, 24750-24759.	1.7	52

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55	General and facile purification of dye-labeled oligonucleotides by pH-controlled extraction. <i>BioTechniques</i> , 2018, 64, 21-23.	0.8	0
56	Green Synthesis of Zinc Oxide Nanoparticles Using <i>Alstonia Macrophylla</i> Leaf Extract and Their In-Vitro Anticancer Activity. <i>Science of Advanced Materials</i> , 2018, 10, 349-355.	0.1	22
57	Effects of Follicular Fluid on Developmental Competence and Gene Expression of in vitro Fertilized Sheep Embryos. <i>Pakistan Journal of Zoology</i> , 2018, 50, .	0.1	2
58	Functionalization of anti-Brucella antibody on ZnO-NPs and their deposition on aluminum sheet towards developing a sensor for the detection of Brucella. <i>Vacuum</i> , 2017, 146, 592-598.	1.6	11
59	MWCNTs functionalization and immobilization with anti-Brucella antibody; towards the development of a nanosensor. <i>Vacuum</i> , 2017, 146, 623-632.	1.6	9
60	Mitochondrial and Chromosomal Damage Induced by Oxidative Stress in Zn ²⁺ Ions, ZnO-Bulk and ZnO-NPs treated <i>Allium cepa</i> roots. <i>Scientific Reports</i> , 2017, 7, 40685.	1.6	106
61	Photocatalytic TMO-NMs adsorbent: Temperature-Time dependent Safranin degradation, sorption study validated under optimized effective equilibrium models parameter with standardized statistical analysis. <i>Scientific Reports</i> , 2017, 7, 42509.	1.6	26
62	Long-term changes in distributions of dioxin-like and estrogenic compounds in sediments of Lake Sihwa, Korea: Revisited mass balance. <i>Chemosphere</i> , 2017, 181, 767-777.	4.2	29
63	Evaluation of cytotoxic responses of raw and functionalized multi-walled carbon nanotubes in human breast cancer (MCF-7) cells. <i>Vacuum</i> , 2017, 146, 578-585.	1.6	11
64	<i>Nigella sativa</i> seed oil suppresses cell proliferation and induces ROS dependent mitochondrial apoptosis through p53 pathway in hepatocellular carcinoma cells. <i>South African Journal of Botany</i> , 2017, 112, 70-78.	1.2	19
65	Efficient and reproducible in vitro regeneration of <i>Solanum lycopersicum</i> and assessment genetic uniformity using flow cytometry and SPAR methods. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1430-1436.	1.8	17
66	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
67	Metals and Metal Oxides: Important Nanomaterials With Antimicrobial Activity. , 2017, , 195-222.		7
68	p53, MAPKAPK-2 and caspases regulate nickel oxide nanoparticles induce cell death and cytogenetic anomalies in rats. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 228-237.	3.6	26
69	Photocatalytic activity and statistical determination of ball-shaped zinc oxide NPs with methylene blue dye. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 536-542.	0.9	7
70	T-2 mycotoxin: toxicological effects and decontamination strategies. <i>Oncotarget</i> , 2017, 8, 33933-33952.	0.8	136
71	Treatment of oral hyperpigmentation and gummy smile using lasers and role of plasma as a novel treatment technique in dentistry: An introductory review. <i>Oncotarget</i> , 2017, 8, 20496-20509.	0.8	22
72	Statistical Analytical Determination of Miniature Zinc Oxide Nanoclusters for Photodegradation of Methylene Red Dye. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 1-7.	0.4	6

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73	Zinc Oxide Nanoparticles: Mechanism(s) of Cell Death Induced in Human Epidermoid Larynx Cell Line (HEp-2). <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 573-582.	0.4	6
74	In Vitro Cytotoxicity of Mesoporous SiO ₂ @Eu(OH) ₃ Core-Shell Nanospheres in MCF-7. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-6.	1.5	15
75	<i><i>Portulaca oleracea</i></i> Linn seed extract ameliorates hydrogen peroxide-induced cell death in human liver cells by inhibiting reactive oxygen species generation and oxidative stress. <i>Tropical Journal of Pharmaceutical Research</i> , 2016, 15, 1643.	0.2	5
76	Antibacterial studies and statistical design set data of quasi zinc oxide nanostructures. <i>RSC Advances</i> , 2016, 6, 32328-32339.	1.7	50
77	Genotoxicity of ferric oxide nanoparticles in <i>Raphanus sativus</i> : Deciphering the role of signaling factors, oxidative stress and cell death. <i>Journal of Environmental Sciences</i> , 2016, 47, 49-62.	3.2	28
78	Countering drug resistance, infectious diseases, and sepsis using metal and metal oxides nanoparticles: Current status. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 70-83.	2.5	177
79	Self-Styled ZnO Nanostructures Promotes the Cancer Cell Damage and Supresses the Epithelial Phenotype of Glioblastoma. <i>Scientific Reports</i> , 2016, 6, 19950.	1.6	66
80	In-Vitro dual inhibition of protein glycation, and oxidation by some Arabian plants. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 276.	3.7	15
81	<i>Verbesina encelioides</i> : cytotoxicity, cell cycle arrest, and oxidative DNA damage in human liver cancer (HepG2) cell line. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 126.	3.7	9
82	Cobalt oxide nanoparticles aggravate DNA damage and cell death in eggplant via mitochondrial swelling and NO signaling pathway. <i>Biological Research</i> , 2016, 49, 20.	1.5	53
83	Multiplex bioimaging of piRNA molecular pathway-regulated theragnostic effects in a single breast cancer cell using a piRNA molecular beacon. <i>Biomaterials</i> , 2016, 101, 143-155.	5.7	36
84	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 1284-1293.	1.4	47
85	Hazards of low dose flame-retardants (BDE-47 and BDE-32): Influence on transcriptome regulation and cell death in human liver cells. <i>Journal of Hazardous Materials</i> , 2016, 308, 37-49.	6.5	32
86	Aloe vera extract functionalized zinc oxide nanoparticles as nanoantibiotics against multi-drug resistant clinical bacterial isolates. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 145-156.	5.0	326
87	Understanding the Role of Nanomaterials in Agriculture. , 2016, , 271-288.		56
88	Zinc oxide quantum dots: multifunctional candidates for arresting C2C12 cancer cells and their role towards caspase 3 and 7 genes. <i>RSC Advances</i> , 2016, 6, 26111-26120.	1.7	43
89	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
90	Preliminary study of spectral features of normal and malignant cell cultures. <i>Laser Physics</i> , 2016, 26, 045601.	0.6	3

#	ARTICLE	IF	CITATIONS
91	Dexrazoxane mitigates epirubicin-induced genotoxicity in mice bone marrow cells. <i>Mutagenesis</i> , 2016, 31, 137-145.	1.0	6
92	Protective effect of <i>Lepidium sativum</i> seed extract against hydrogen peroxide-induced cytotoxicity and oxidative stress in human liver cells (HepG2). <i>Pharmaceutical Biology</i> , 2016, 54, 314-321.	1.3	40
93	Effect of Praseodymium on the Characteristics of Nano-ZnO Towards Organophosphate as a Nano-Electrochemical Device. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2016, 11, 6-11.	0.1	3
94	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
95	Quantum Dot-Based Molecular Beacon to Monitor Intracellular MicroRNAs. <i>Sensors</i> , 2015, 15, 12872-12883.	2.1	28
96	Microwave Accelerated Green Synthesis of Stable Silver Nanoparticles with Eucalyptus globulus Leaf Extract and Their Antibacterial and Antibiofilm Activity on Clinical Isolates. <i>PLoS ONE</i> , 2015, 10, e0131178.	1.1	174
97	Comparison on the molecular response profiles between nano zinc oxide (ZnO) particles and free zinc ion using a genome-wide toxicogenomics approach. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17434-17442.	2.7	26
98	Rhamnolipids functionalized AgNPs-induced oxidative stress and modulation of toxicity pathway genes in cultured MCF-7 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 290-298.	2.5	33
99	Utilization of photocatalytic ZnO nanoparticles for deactivation of safranin dye and their applications for statistical analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 69, 101-108.	1.3	20
100	Hepatoprotective potential of <i>Lavandula coronopifolia</i> extracts against ethanol induced oxidative stress-mediated cytotoxicity in HepG2 cells. <i>Toxicology and Industrial Health</i> , 2015, 31, 727-737.	0.6	27
101	Bioimaging of the microRNA-294 expression-dependent color change in cells by a dual fluorophore-based molecular beacon. <i>Chemical Communications</i> , 2015, 51, 2159-2161.	2.2	12
102	Sperm DNA-mediated reduction of nonspecific fluorescence during cellular imaging with quantum dots. <i>Chemical Communications</i> , 2015, 51, 11584-11586.	2.2	1
103	ZnO and TiO ₂ nanoparticles as novel antimicrobial agents for oral hygiene: a review. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	70
104	Simultaneous Imaging of Two Different Cancer Biomarkers Using Aptamer-Conjugated Quantum Dots. <i>Sensors</i> , 2015, 15, 8595-8604.	2.1	30
105	Novel All Trans-Retinoic Acid Derivatives: Cytotoxicity, Inhibition of Cell Cycle Progression and Induction of Apoptosis in Human Cancer Cell Lines. <i>Molecules</i> , 2015, 20, 8181-8197.	1.7	19
106	Bioimaging of transcriptional activity of microRNA124a during neurogenesis. <i>Biotechnology Letters</i> , 2015, 37, 2333-2340.	1.1	7
107	Multimodal imaging probe for targeting cancer cells using uMUC-1 aptamer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 134-140.	2.5	20
108	Bioimaging of microRNA124a-independent neuronal differentiation of human G2 neural stem cells. <i>FEBS Open Bio</i> , 2015, 5, 647-655.	1.0	3

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109	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
110	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
111	Zinc oxide quantum dots: a potential candidate to detain liver cancer cells. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 155-163.	1.7	19
112	Anticancer activity of chloroform extract and sub-fractions of nepeta deflersiana on human breast and lung cancer cells: an in vitro cytotoxicity assessment. <i>Pharmacognosy Magazine</i> , 2015, 11, 598.	0.3	20
113	CoO Thin Nanosheets Exhibit Higher Antimicrobial Activity Against Tested Gram-positive Bacteria Than Gram-negative Bacteria. <i>Korean Chemical Engineering Research</i> , 2015, 53, 565-569.	0.2	8
114	Reactive Oxygen Species Mediated Bacterial Biofilm Inhibition via Zinc Oxide Nanoparticles and Their Statistical Determination. <i>PLoS ONE</i> , 2014, 9, e111289.	1.1	269
115	Antibacterial properties of silver nanoparticles synthesized using <i>Pulicaria glutinosa</i> plant extract as a green bioreductant. <i>International Journal of Nanomedicine</i> , 2014, 9, 3551.	3.3	55
116	Diversity of bacteria and polyketide synthase associated with marine sponge <i>Haliclona</i> sp.. <i>Annals of Microbiology</i> , 2014, 64, 199-207.	1.1	14
117	ZnO nanoparticles induced oxidative stress and apoptosis in HepG2 and MCF-7 cancer cells and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 267-276.	2.5	254
118	Optical Analysis of Zinc Oxide Quantum Dots with Bovine Serum Albumin and Bovine Hemoglobin. <i>Journal of Pharmaceutical Innovation</i> , 2014, 9, 48-52.	1.1	10
119	Anti-biofilm and antibacterial activities of zinc oxide nanoparticles against the oral opportunistic pathogens <i>Streptococcus dentocariosa</i> and <i>Streptococcus mucilaginosa</i> . <i>European Journal of Oral Sciences</i> , 2014, 122, 397-403.	0.7	56
120	Statistical analysis of gold nanoparticle-induced oxidative stress and apoptosis in myoblast (C2C12) cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 664-672.	2.5	65
121	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
122	Cytotoxicity Assessments of <i>Portulaca oleracea</i> and <i>Petroselinum sativum</i> Seed Extracts on Human Hepatocellular Carcinoma Cells (HepG2). <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 6633-6638.	0.5	39
123	Cytotoxicity of <i>Nigella Sativa</i> Seed Oil and Extract Against Human Lung Cancer Cell Line. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 983-987.	0.5	55
124	Microwave assisted hydrothermal synthesis of mesoporous SnO ₂ nanoparticles for ethanol sensing and degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2082-2090.	1.1	23
125	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
126	Rotenone-induced oxidative stress and apoptosis in human liver HepG2 cells. <i>Molecular and Cellular Biochemistry</i> , 2013, 384, 59-69.	1.4	65

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127	Synthesis of thermally stable monodispersed Au@SnO ₂ core-shell structure nanoparticles by a sonochemical technique for detection and degradation of acetaldehyde. <i>Analytical Methods</i> , 2013, 5, 1456.	1.3	39
128	Zinc ferrite nanoparticles activate IL-1b, NFKB1, CCL21 and NOS2 signaling to induce mitochondrial dependent intrinsic apoptotic pathway in WISH cells. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 289-297.	1.3	47
129	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
130	Ribosylation of bovine serum albumin induces ROS accumulation and cell death in cancer line (MCF-7). <i>European Biophysics Journal</i> , 2013, 42, 811-818.	1.2	24
131	Phytotoxic hazards of NiO-nanoparticles in tomato: A study on mechanism of cell death. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 318-332.	6.5	259
132	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
133	Photocatalytic oxidation of acetaldehyde with ZnO-quantum dots. <i>Chemical Engineering Journal</i> , 2013, 226, 154-160.	6.6	50
134	ZnO Nanoparticles Induce Oxidative Stress in Cloudman S91 Melanoma Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 441-449.	0.5	86
135	ZnO Nanoparticles Induces Cell Death in Malignant Human T98G Gliomas, KB and Non-Malignant HEK Cells. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1181-1189.	0.5	85
136	Hydrogen Adsorption Properties of Nano- and Microstructures of ZnO. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	1.5	13
137	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
138	Copper Oxide Nanoparticles Induced Mitochondria Mediated Apoptosis in Human Hepatocarcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e69534.	1.1	285
139	Histologic and apoptotic changes induced by titanium dioxide nanoparticles in the livers of rats. <i>International Journal of Nanomedicine</i> , 2013, 8, 3937.	3.3	49
140	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
141	Anticancer Activity of Petroselinum sativum Seed Extracts on MCF-7 Human Breast Cancer Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 5719-5723.	0.5	39
142	In Vitro Cytotoxic Activity of Seed Oil of Fenugreek Against Various Cancer Cell Lines. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 1829-1832.	0.5	46
143	Saudi University Policy: King Saud Response. <i>Science</i> , 2012, 335, 1040-1040.	6.0	1
144	Butachlor induced dissipation of mitochondrial membrane potential, oxidative DNA damage and necrosis in human peripheral blood mononuclear cells. <i>Toxicology</i> , 2012, 302, 77-87.	2.0	52

#	ARTICLE	IF	CITATIONS
145	Toxicogenomic Mechanisms of 6-HO-BDE-47, 6-MeO-BDE-47, and BDE-47 in <i>E. coli</i> . Environmental Science & Technology, 2012, 46, 1185-1191.	4.6	39
146	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.	3.9	52
147	Titanium dioxide nanoparticles induced cytotoxicity, oxidative stress and DNA damage in human amnion epithelial (WISH) cells. Toxicology in Vitro, 2012, 26, 351-361.	1.1	220
148	Mancozeb-induced genotoxicity and apoptosis in cultured human lymphocytes. Life Sciences, 2012, 90, 815-824.	2.0	62
149	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.	0.9	35
150	Use of β -galactosidase (<i>lacZ</i>) gene complementation as a novel approach for assessment of titanium oxide nanoparticles induced mutagenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 747, 246-252.	0.9	12
151	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.	1.8	140
152	Short-term exposure of 4-hydroxynonenal induces mitochondria-mediated apoptosis in PC12 cells. Human and Experimental Toxicology, 2012, 31, 336-345.	1.1	18
153	Biotransformation of dehydroepiandrosterone with <i>Macrophomina phaseolina</i> and β -glucuronidase inhibitory activity of transformed products. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 348-355.	2.5	26
154	A bioinformatics approach for in vivo imaging of endogenous MicroRNA targets during neurogenesis. Tissue Engineering and Regenerative Medicine, 2012, 9, 157-169.	1.6	2
155	Dual optical biosensors for imaging microRNA-1 during myogenesis. Biomaterials, 2012, 33, 6430-6437.	5.7	29
156	A reverse complementary multimodal imaging system to visualize microRNA9-involved neurogenesis using peptide targeting transferrin receptor-conjugated magnetic fluorescence nanoparticles. Biomaterials, 2012, 33, 6456-6467.	5.7	20
157	Fabrication, growth mechanism and antibacterial activity of ZnO micro-spheres prepared via solution process. Biomass and Bioenergy, 2012, 39, 227-236.	2.9	62
158	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.	1.3	59
159	Apoptosis induction by silica nanoparticles mediated through reactive oxygen species in human liver cell line HepG2. Toxicology and Applied Pharmacology, 2012, 259, 160-168.	1.3	183
160	Mosquito Vectors Survey in the AL-Ahsaa District of Eastern Saudi Arabia. Journal of Insect Science, 2011, 11, 1-11.	0.6	29
161	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.	1.8	30
162	p-Si/DNA photoconductive diode for optical sensor applications. Synthetic Metals, 2011, 161, 2011-2016.	2.1	30

#	ARTICLE	IF	CITATIONS
163	Microbially Synthesized Nanoparticles: Scope and Applications. , 2011, , 101-126.		10
164	Hepatoprotective effects of vitamin E/selenium against malathion-induced injuries on the antioxidant status and apoptosis-related gene expression in rats. Journal of Toxicological Sciences, 2011, 36, 285-296.	0.7	55
165	Effects of Prochloraz or Propylthiouracil on the Cross-Talk between the HPG, HPA, and HPT Axes in Zebrafish. Environmental Science & Technology, 2011, 45, 769-775.	4.6	113
166	Synthesis of stable cadmium sulfide nanoparticles using surfactin produced by Bacillus amyloliquifaciens strain KSU-109. Colloids and Surfaces B: Biointerfaces, 2011, 85, 207-213.	2.5	111
167	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.	6.5	29
168	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.	2.0	4
169	Oxidative stress mediated apoptosis induced by nickel ferrite nanoparticles in cultured A549 cells. Toxicology, 2011, 283, 101-108.	2.0	279
170	Salubrious effects of dexrazoxane against teniposide-induced DNA damage and programmed cell death in murine marrow cells. Mutagenesis, 2011, 26, 533-543.	1.0	38
171	Effect of Trans-resveratrol on rotenone-induced cytotoxicity in human breast adenocarcinoma cells. Toxicology International, 2011, 18, 105.	0.1	12
172	Bisphenol A Disrupts Steroidogenesis in Human H295R Cells. Toxicological Sciences, 2011, 121, 320-327.	1.4	114
173	Protective potential of 17 β -estradiol against co-exposure of 4-hydroxynonenal and 6-hydroxydopamine in PC12 cells. Human and Experimental Toxicology, 2011, 30, 860-869.	1.1	6
174	Hydrogen Storage Properties of Heterostructured Zinc Oxide Nanostructures. Journal of Nanoengineering and Nanomanufacturing, 2011, 1, 188-195.	0.3	10
175	A validation study comparing the sensitivity and specificity of the new Dr. KSU H1N1 RT-PCR kit with real-time RT-PCR for diagnosing influenza A (H1N1). Annals of Saudi Medicine, 2011, 31, 351-355.	0.5	7
176	Production of antimicrobial silver nanoparticles in water extracts of the fungus Amylomyces rouxii strain KSU-09. Bioresource Technology, 2010, 101, 8772-8776.	4.8	186
177	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.	1.0	41
178	Association of dopamine DA-D ₂ receptor in rotenone-induced cytotoxicity in PC12 cells. Toxicology and Industrial Health, 2010, 26, 533-542.	0.6	6
179	Methyl thiophanate as a DNA minor groove binder produces MT-Cu(II)-DNA ternary complex preferably with AT rich region for initiation of DNA damage. International Journal of Biological Macromolecules, 2010, 47, 68-75.	3.6	29
180	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.	3.6	29

#	ARTICLE	IF	CITATIONS
181	Protective potential of trans-resveratrol against 4-hydroxynonenal induced damage in PC12 cells. <i>Toxicology in Vitro</i> , 2010, 24, 1592-1598.	1.1	104
182	Evolutionary relationship and species separation of four morphologically similar stichotrichous ciliates (Protozoa, Ciliophora). <i>Progress in Natural Science: Materials International</i> , 2009, 19, 581-586.	1.8	8
183	Reconsideration of the phylogenetic positions of three stichotrichous genera <i>Holosticha</i> , <i>Anteholosticha</i> and <i>Pseudokeronopsis</i> (Spirotrichea: Ciliophora) inferred from complete SSU rRNA gene sequences. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 769-773.	1.8	14
184	Phylogenetic investigation on five genera of tintinnid ciliates (Ciliophora, Choreotrichia), based on the small subunit ribosomal RNA gene sequences. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 1097-1101.	1.8	18
185	Further Consideration of the Phylogeny of Some "Traditional" Heterotrichs (Protista, Ciliophora) of Uncertain Affinities, Based on New Sequences of the Small Subunit rRNA Gene. <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 244-250.	0.8	32
186	Phylogenetic analyses suggest that <i>Psammomitra</i> (Ciliophora, Urostylida) should represent an urostylid family, based on small subunit rRNA and alpha-tubulin gene sequence information. <i>Zoological Journal of the Linnean Society</i> , 2009, 157, 227-236.	1.0	31
187	Phylogeny of six oligohymenophoreans (Protozoa, Ciliophora) inferred from small subunit rRNA gene sequences. <i>Zoologica Scripta</i> , 2009, 38, 323-331.	0.7	32
188	Assessment of methyl thiophanate-Cu (II) induced DNA damage in human lymphocytes. <i>Toxicology in Vitro</i> , 2009, 23, 848-854.	1.1	45
189	Genotoxic fungicide methyl thiophanate as an oxidative stressor inducing 8-oxo-7,8-dihydro-2'-deoxyguanosine adducts in DNA and mutagenesis. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2009, 45, 40-45.	0.7	12
190	Regulatory elements in the 5'UTR region of 16SrRNA gene of <i>Bacillus</i> sp. strain SJ-101. <i>Bioinformation</i> , 2009, 3, 375-380.	0.2	6
191	Apolipoprotein E polymorphism in Saudis. <i>Molecular Biology Reports</i> , 2005, 31, 257-260.	1.0	22
192	Apolipoprotein E polymorphism as a predictor for cognitive decline and dementia in the Saudi general population over 65 years. <i>Genetics and Molecular Biology</i> , 2004, 27, 331-334.	0.6	6
193	Aloe vera-induced apoptotic cell death through ROS generation, cell cycle arrest, and DNA damage in human breast cancer cells. , 0, , .		5