

Abdulaziz A Al-Khedhairy

List of Publications by Year in descending order

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193
papers

8,000
citations

53939

47
h-index

71088

80
g-index

197
all docs

197
docs citations

197
times ranked

12439
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Copper Oxide Nanoparticles Induced Mitochondria Mediated Apoptosis in Human Hepatocarcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e69534.	1.1	285
3	Oxidative stress mediated apoptosis induced by nickel ferrite nanoparticles in cultured A549 cells. <i>Toxicology</i> , 2011, 283, 101-108.	2.0	279
4	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
5	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
6	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
7	Titanium dioxide nanoparticles induced cytotoxicity, oxidative stress and DNA damage in human amnion epithelial (WISH) cells. <i>Toxicology in Vitro</i> , 2012, 26, 351-361.	1.1	220
8	Production of antimicrobial silver nanoparticles in water extracts of the fungus <i>Amylomyces rouxii</i> strain KSU-09. <i>Bioresource Technology</i> , 2010, 101, 8772-8776.	4.8	186
9	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
10	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
11	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
12	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
13	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
14	T-2 mycotoxin: toxicological effects and decontamination strategies. <i>Oncotarget</i> , 2017, 8, 33933-33952.	0.8	136
15	Bisphenol A Disrupts Steroidogenesis in Human H295R Cells. <i>Toxicological Sciences</i> , 2011, 121, 320-327.	1.4	114
16	Effects of Prochloraz or Propylthiouracil on the Cross-Talk between the HPG, HPA, and HPT Axes in Zebrafish. <i>Environmental Science & Technology</i> , 2011, 45, 769-775.	4.6	113
17	Synthesis of stable cadmium sulfide nanoparticles using surfactin produced by <i>Bacillus amyloliquifaciens</i> strain KSU-109. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 207-213.	2.5	111
18	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

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19	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
20	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
21	ZnO Nanoparticles Induce Oxidative Stress in Cloudman S91 Melanoma Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 441-449.	0.5	86
22	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
23	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
24	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
25	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
26	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
27	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
28	Rotenone-induced oxidative stress and apoptosis in human liver HepG2 cells. <i>Molecular and Cellular Biochemistry</i> , 2013, 384, 59-69.	1.4	65
29	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
30	Mancozeb-induced genotoxicity and apoptosis in cultured human lymphocytes. <i>Life Sciences</i> , 2012, 90, 815-824.	2.0	62
31	Fabrication, growth mechanism and antibacterial activity of ZnO micro-spheres prepared via solution process. <i>Biomass and Bioenergy</i> , 2012, 39, 227-236.	2.9	62
32	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
33	Phorate-induced oxidative stress, DNA damage and transcriptional activation of p53 and caspase genes in male Wistar rats. <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 54-65.	1.3	59
34	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
35	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
36	Anti-biofilm and antibacterial activities of zinc oxide nanoparticles against the oral opportunistic pathogens <i>Candida dentocariosa</i> and <i>Candida mucilaginosa</i> . <i>European Journal of Oral Sciences</i> , 2014, 122, 397-403.	0.7	56

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37	Understanding the Role of Nanomaterials in Agriculture. , 2016, , 271-288.		56
38	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
39	Hepatoprotective effects of vitamin E/selenium against malathion-induced injuries on the antioxidant status and apoptosis-related gene expression in rats. <i>Journal of Toxicological Sciences</i> , 2011, 36, 285-296.	0.7	55
40	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
41	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
42	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
43	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
44	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
45	Characterization of coal fly ash nanoparticles and induced oxidative DNA damage in human peripheral blood mononuclear cells. <i>Science of the Total Environment</i> , 2012, 437, 331-338.	3.9	52
46	Hematite iron oxide nanoparticles: apoptosis of myoblast cancer cells and their arithmetical assessment. <i>RSC Advances</i> , 2018, 8, 24750-24759.	1.7	52
47	Photocatalytic oxidation of acetaldehyde with ZnO-quantum dots. <i>Chemical Engineering Journal</i> , 2013, 226, 154-160.	6.6	50
48	Antibacterial studies and statistical design set data of quasi zinc oxide nanostructures. <i>RSC Advances</i> , 2016, 6, 32328-32339.	1.7	50
49	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
50	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
51	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
52	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 1284-1293.	1.4	47
53	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
54	Assessment of methyl thiophanateâ€“Cu (II) induced DNA damage in human lymphocytes. <i>Toxicology in Vitro</i> , 2009, 23, 848-854.	1.1	45

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55	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
56	Isolation and characterization of butachlor-catabolizing bacterial strain <i>Stenotrophomonas acidaminiphila</i> JS-1 from soil and assessment of its biodegradation potential. <i>Letters in Applied Microbiology</i> , 2010, 51, no-no.	1.0	41
57	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
58	Toxicogenomic Mechanisms of 6-HO-BDE-47, 6-MeO-BDE-47, and BDE-47 in <i>E. coli</i> . <i>Environmental Science & Technology</i> , 2012, 46, 1185-1191.	4.6	39
59	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
60	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
61	Anticancer Activity of <i>Petroselinum sativum</i> Seed Extracts on MCF-7 Human Breast Cancer Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 5719-5723.	0.5	39
62	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
63	Salubrious effects of dexrazoxane against teniposide-induced DNA damage and programmed cell death in murine marrow cells. <i>Mutagenesis</i> , 2011, 26, 533-543.	1.0	38
64	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
65	<i>Myristica fragrans</i> 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
66	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
67	Cytotoxic and necrotic responses in human amniotic epithelial (WISH) cells exposed to organophosphate insecticide phorate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 744, 125-134.	0.9	35
68	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
69	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
70	Phylogeny of six oligohymenophoreans (Protozoa, Ciliophora) inferred from small subunit rRNA gene sequences. <i>Zoologica Scripta</i> , 2009, 38, 323-331.	0.7	32
71	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
72	Phylogenetic analyses suggest that <i>Psammomitra</i> (Ciliophora, Urostylelida) should represent an urostylelid 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

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73	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
74	p-Si/DNA photoconductive diode for optical sensor applications. Synthetic Metals, 2011, 161, 2011-2016.	2.1	30
75	Simultaneous Imaging of Two Different Cancer Biomarkers Using Aptamer-Conjugated Quantum Dots. Sensors, 2015, 15, 8595-8604.	2.1	30
76	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.	3.6	29
77	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
78	Mosquito Vectors Survey in the AL-Ahsaa District of Eastern Saudi Arabia. Journal of Insect Science, 2011, 11, 1-11.	0.6	29
79	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
80	Dual optical biosensors for imaging microRNA-1 during myogenesis. Biomaterials, 2012, 33, 6430-6437.	5.7	29
81	Long-term changes in distributions of dioxin-like and estrogenic compounds in sediments of Lake Sihwa, Korea: Revisited mass balance. Chemosphere, 2017, 181, 767-777.	4.2	29
82	Quantum Dot-Based Molecular Beacon to Monitor Intracellular MicroRNAs. Sensors, 2015, 15, 12872-12883.	2.1	28
83	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.	3.2	28
84	Corn Silk (<i>Zea mays L.</i>) Induced Apoptosis in Human Breast Cancer (MCF-7) Cells via the ROS-Mediated Mitochondrial Pathway. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-9.	1.9	28
85	Silver Nanoparticles: An Instantaneous Solution for Anticancer Activity against Human Liver (HepG2) and Breast (MCF-7) Cancer Cells. Metals, 2022, 12, 148.	1.0	28
86	Hepatoprotective potential of <i>Lavandula coronopifolia</i> extracts against ethanol induced oxidative stress-mediated cytotoxicity in HepG2 cells. Toxicology and Industrial Health, 2015, 31, 727-737.	0.6	27
87	Organophosphorus flame retardant (tricesyl phosphate) trigger apoptosis in HepG2 cells: Transcriptomic evidence on activation of human cancer pathways. Chemosphere, 2019, 237, 124519.	4.2	27
88	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
89	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.	2.7	26
90	Photocatalytic TMO-NMs adsorbent: Temperature-Time dependent Safranin degradation, sorption study validated under optimized effective equilibrium models parameter with standardized statistical analysis. Scientific Reports, 2017, 7, 42509.	1.6	26

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91	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
92	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
93	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
94	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
95	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
96	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
97	Apolipoprotein E polymorphism in Saudis. <i>Molecular Biology Reports</i> , 2005, 31, 257-260.	1.0	22
98	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
99	Nickel Oxide Nanoparticles Induced Transcriptomic Alterations in HEPG2 Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 163-174.	0.8	22
100	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
101	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
102	A reverse complementary multimodal imaging system to visualize microRNA9-involved neurogenesis using peptide targeting transferrin receptor-conjugated magnetic fluorescence nanoparticles. <i>Biomaterials</i> , 2012, 33, 6456-6467.	5.7	20
103	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
104	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
105	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
106	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
107	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
108	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

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109	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
110	<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
111	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
112	Short-term exposure of 4-hydroxynonenal induces mitochondria-mediated apoptosis in PC12 cells. <i>Human and Experimental Toxicology</i> , 2012, 31, 336-345.	1.1	18
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	Hydrogen Adsorption Properties of Nano- and Microstructures of ZnO. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	1.5	13
124	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
125	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
126	Genotoxic fungicide methyl thiophanate as an oxidative stressor inducing 8-oxo-7,8-dihydro-2 α -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

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127	Effect of Trans-resveratrol on rotenone-induced cytotoxicity in human breast adenocarcinoma cells. <i>Toxicology International</i> , 2011, 18, 105.	0.1	12
128	Use of β -galactosidase (lacZ) gene \pm -complementation as a novel approach for assessment of titanium oxide nanoparticles induced mutagenesis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 747, 246-252.	0.9	12
129	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
130	Rapid sensing response for phenol with CuO nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125424.	2.3	12
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	Anticancer efficacies of persicogenin and homoeriodictyol isolated from <i>Rhus retinorrhoea</i> . <i>Process Biochemistry</i> , 2020, 95, 186-196.	1.8	11
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