

Quaiser Saquib

List of Publications by Year in descending order

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95
papers

4,010
citations

136950

32
h-index

128289

60
g-index

97
all docs

97
docs citations

97
times ranked

5869
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.	3.5	6
2	Organophosphorus Flame Retardant TDCPP Displays Genotoxic and Carcinogenic Risks in Human Liver Cells. <i>Cells</i> , 2022, 11, 195.	4.1	11
3	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.	4.1	3
4	Green synthesis of silver nanoparticles using Phoenix dactylifera seed extract and its anticancer effect against human lung adenocarcinoma cells. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103260.	3.0	15
5	Tris(2-butoxyethyl) phosphate (TBEP): A flame retardant in solid waste display hepatotoxic and carcinogenic risks for humans. <i>Chemosphere</i> , 2022, 296, 133977.	8.2	16
6	Neodymium oxide nanostructures and their cytotoxic evaluation in human cancer cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 73, 127029.	3.0	3
7	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.	2.8	5
8	Oxidative Stress Mediated Cytotoxicity, Cell Cycle Arrest, and Apoptosis Induced by Rosa damascena in Human Cervical Cancer HeLa Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	4.0	13
9	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.	2.8	10
10	Organophosphorus flame retardant tris(1-chloro-2-propyl)phosphate is genotoxic and apoptotic inducer in human umbilical vein endothelial cells. <i>Journal of Applied Toxicology</i> , 2021, 41, 861-873.	2.8	7
11	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.	3.5	2
12	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.	3.5	6
13	SARS-CoV-2: Understanding the Transcriptional Regulation of ACE2 and TMPRSS2 and the Role of Single Nucleotide Polymorphism (SNP) at Codon 72 of p53 in the Innate Immune Response against Virus Infection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8660.	4.1	14
14	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.	2.8	20
15	Marine Macroalgae Display Bioreductant Efficacy for Fabricating Metallic Nanoparticles: Intra/Extracellular Mechanism and Potential Biomedical Applications. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-26.	4.1	14
16	High-throughput transcriptomics: An insight on the pathways affected in HepG2 cells exposed to nickel oxide nanoparticles. <i>Chemosphere</i> , 2020, 244, 125488.	8.2	17
17	Tris(2-chloroethyl) Phosphate (TCEP) Elicits Hepatotoxicity by Activating Human Cancer Pathway Genes in HepG2 Cells. <i>Toxics</i> , 2020, 8, 109.	3.7	14
18	Zinc oxide nanostructures: A motivated dynamism against cancer cells. <i>Process Biochemistry</i> , 2020, 98, 83-92.	3.7	12

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19	Biochemical and Molecular Investigation of In Vitro Antioxidant and Anticancer Activity Spectrum of Crude Extracts of Willow Leaves <i>Salix safsaf</i> . <i>Plants</i> , 2020, 9, 1295.	3.5	14
20	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.	2.6	24
21	Anticancer efficacies of persicogenin and homoeriodictyol isolated from <i>Rhus retinorrhoea</i> . <i>Process Biochemistry</i> , 2020, 95, 186-196.	3.7	11
22	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.	3.7	56
23	Comparative Analysis between Wild and Cultivated Cucumbers Reveals Transcriptional Changes during Domestication Process. <i>Plants</i> , 2020, 9, 63.	3.5	7
24	Dual role of oxidative stress-JNK activation in autophagy and apoptosis induced by nickel oxide nanoparticles in human cancer cells. <i>Free Radical Biology and Medicine</i> , 2020, 153, 173-186.	2.9	26
25	Role of Solvent System in Green Synthesis of Nanoparticles. , 2020, , 53-74.		2
26	<i>Cymbopogon Citratus</i> Functionalized Green Synthesis of CuO-Nanoparticles: Novel Prospects as Antibacterial and Antibiofilm Agents. <i>Biomolecules</i> , 2020, 10, 169.	4.0	51
27	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.	3.0	8
28	Surface Engineering Techniques Associated with Stability, Biocompatibility, and Toxicity of Nanoparticles. , 2020, , 75-101.		0
29	Organophosphorus flame retardant (tricresyl phosphate) trigger apoptosis in HepG2 cells: Transcriptomic evidence on activation of human cancer pathways. <i>Chemosphere</i> , 2019, 237, 124519.	8.2	27
30	Interaction of Copper-Based Nanoparticles to Soil, Terrestrial, and Aquatic Systems: Critical Review of the State of the Science and Future Perspectives. <i>Reviews of Environmental Contamination and Toxicology</i> , 2019, 252, 51-96.	1.3	33
31	<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.	1.6	37
32	Microwave plasma-assisted silicon nanoparticles: cytotoxic, molecular, and numerical responses against cancer cells. <i>RSC Advances</i> , 2019, 9, 13336-13347.	3.6	7
33	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.	7.3	77
34	Phorate triggers oxidative stress and mitochondrial dysfunction to enhance micronuclei generation and DNA damage in human lymphocytes. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1411-1417.	3.8	6
35	Genetic Transformation and siRNA-Mediated Gene Silencing for Aphid Resistance in Tomato. <i>Agronomy</i> , 2019, 9, 893.	3.0	11
36	Nickel Oxide Nanoparticles Induced Transcriptomic Alterations in HEPG2 Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 163-174.	1.6	22

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37	Toxicogenomics: A New Paradigm for Nanotoxicity Evaluation. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 143-161.	1.6	14
38	6-OHBDDE-47 induces transcriptomic alterations of CYP1A1, XRCC2, HSPA1A, EGR1 genes and trigger apoptosis in HepG2 cells. <i>Toxicology</i> , 2018, 400-401, 40-47.	4.2	17
39	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.	2.2	21
40	Functional genomics assessment of narcotic and specific acting chemical pollutants using <i>E. coli</i> . <i>Environmental Pollution</i> , 2018, 232, 146-153.	7.5	7
41	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.	1.7	25
42	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.	3.5	20
43	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.	4.1	178
44	Genomic Islands Confer Heavy Metal Resistance in <i>Mucilaginibacter kameinonensis</i> and <i>Mucilaginibacter rubeus</i> Isolated from a Gold/Copper Mine. <i>Genes</i> , 2018, 9, 573.	2.4	18
45	Distribution of Arsenic Resistance Genes in Prokaryotes. <i>Frontiers in Microbiology</i> , 2018, 9, 2473.	3.5	220
46	Interplay Between Engineered Nanomaterials (ENMs) and Edible Plants: A Current Perspective. , 2018, , 63-102.		12
47	Phytotoxic Assessment of Nickel Oxide (NiO) Nanoparticles in Radish. , 2018, , 269-284.		1
48	Bio-inspired nanomaterials in agriculture and food: Current status, foreseen applications and challenges. <i>Microbial Pathogenesis</i> , 2018, 123, 196-200.	2.9	62
49	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.	3.3	106
50	Bacterial resistance to arsenic protects against protist killing. <i>BioMetals</i> , 2017, 30, 307-311.	4.1	13
51	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.	3.8	17
52	ZEITLUPE Contributes to a Thermoresponsive Protein Quality Control System in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2017, 29, 2882-2894.	6.6	64
53	Dexrazoxane Averts Idarubicin-Evoked Genomic Damage by Regulating Gene Expression Profiling Associated With the DNA Damage-Signaling Pathway in BALB/c Mice. <i>Toxicological Sciences</i> , 2017, 160, 161-172.	3.1	12
54	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.	7.5	26

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55	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
56	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.	6.1	28
57	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
58	<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
59	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.	3.4	53
60	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 1284-1293.	2.8	47
61	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.	12.4	32
62	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.	9.4	326
63	Understanding the Role of Nanomaterials in Agriculture. , 2016, , 271-288.		56
64	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.	3.6	43
65	Dexrazoxane mitigates epirubicin-induced genotoxicity in mice bone marrow cells. <i>Mutagenesis</i> , 2016, 31, 137-145.	2.6	6
66	Microwave Accelerated Green Synthesis of Stable Silver Nanoparticles with <i>Eucalyptus globulus</i> Leaf Extract and Their Antibacterial and Antibiofilm Activity on Clinical Isolates. <i>PLoS ONE</i> , 2015, 10, e0131178.	2.5	174
67	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.	5.3	26
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.	5.0	33
69	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.	2.7	20
70	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.	3.8	19
71	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.	5.0	55
72	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.	4.0	71

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73	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
74	Thymoquinone suppression of the human hepatocellular carcinoma cell growth involves inhibition of IL-8 expression, elevated levels of TRAIL receptors, oxidative stress and apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2014, 389, 85-98.	3.1	79
75	Interaction of Al ₂ O ₃ nanoparticles with <i>Escherichia coli</i> and their cell envelope biomolecules. <i>Journal of Applied Microbiology</i> , 2014, 116, 772-783.	3.1	110
76	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.	5.0	254
77	Gum arabic capped silver nanoparticles inhibit biofilm formation by multi-drug resistant strains of <i>Pseudomonas aeruginosa</i> . <i>Journal of Basic Microbiology</i> , 2014, 54, 688-699.	3.3	73
78	Rotenone-induced oxidative stress and apoptosis in human liver HepG2 cells. <i>Molecular and Cellular Biochemistry</i> , 2013, 384, 59-69.	3.1	65
79	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.	2.8	47
80	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.	12.4	259
81	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.	4.2	52
82	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.	8.0	52
83	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.	2.4	220
84	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.	1.7	35
85	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.	2.8	59
86	Preferential binding of insecticide phorate with sub-domain IIA of human serum albumin induces protein damage and its toxicological significance. <i>Food and Chemical Toxicology</i> , 2011, 49, 1787-1795.	3.6	30
87	Microbially Synthesized Nanoparticles: Scope and Applications. , 2011, , 101-126.		10
88	Salubrious effects of dexrazoxane against teniposide-induced DNA damage and programmed cell death in murine marrow cells. <i>Mutagenesis</i> , 2011, 26, 533-543.	2.6	38
89	Effect of Trans-resveratrol on rotenone-induced cytotoxicity in human breast adenocarcinoma cells. <i>Toxicology International</i> , 2011, 18, 105.	0.1	12
90	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. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 68-75.	7.5	29

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91	Fungicide methyl thiophanate binding at sub-domain IIA of human serum albumin triggers conformational change and protein damage. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 60-67.	7.5	29
92	Assessment of methyl thiophanateâ€“Cu (II) induced DNA damage in human lymphocytes. <i>Toxicology in Vitro</i> , 2009, 23, 848-854.	2.4	45
93	Genotoxic fungicide methyl thiophanate as an oxidative stressor inducing 8-oxo-7,8-dihydro-2â€“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.	1.5	12
94	Zinc oxide nanoparticles-induced DNA damage in human lymphocytes. <i>International Journal of Nanoparticles</i> , 2009, 2, 402.	0.3	28
95	Aloe vera-induced apoptotic cell death through ROS generation, cell cycle arrest, and DNA damage in human breast cancer cells. , 0, , .		5