

# Hisham A Alhadlaq

## List of Publications by Year in descending order

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82  
papers

4,456  
citations

108046

37  
h-index

120465

65  
g-index

82  
all docs

82  
docs citations

82  
times ranked

6427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile green synthesis of ZnO-RGO nanocomposites with enhanced anticancer efficacy. <i>Methods</i> , 2022, 199, 28-36.	1.9	63
2	Enhanced Anticancer Performance of Eco-Friendly-Prepared Mo-ZnO/RGO Nanocomposites: Role of Oxidative Stress and Apoptosis. <i>ACS Omega</i> , 2022, 7, 7103-7115.	1.6	40
3	Enhanced structural, optical, electrical properties and antibacterial activity of PEO/CMC doped ZnO nanorods for energy storage and food packaging applications. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	27
4	Histology and radiography studies of effects of <i>Lepidium sativum</i> seeds on bone healing in male albino rats. <i>Journal of King Saud University - Science</i> , 2022, 34, 102062.	1.6	0
5	Green and chemical synthesis of CuO nanoparticles: A comparative study for several in vitro bioactivities and in vivo toxicity in zebrafish embryos. <i>Journal of King Saud University - Science</i> , 2022, 34, 102092.	1.6	16
6	One-Pot Synthesis of SnO <sub>2</sub> -rGO Nanocomposite for Enhanced Photocatalytic and Anticancer Activity. <i>Polymers</i> , 2022, 14, 2036.	2.0	13
7	CeO <sub>2</sub> -Zn Nanocomposite Induced Superoxide, Autophagy and a Non-Apoptotic Mode of Cell Death in Human Umbilical-Vein-Derived Endothelial (HUVE) Cells. <i>Toxics</i> , 2022, 10, 250.	1.6	6
8	In vitro antidiabetic and anti-inflammatory effects of Fe-doped CuO-rice husk silica (Fe-CuO-SiO <sub>2</sub> ) nanocomposites and their enhanced innate immunity in zebrafish. <i>Journal of King Saud University - Science</i> , 2022, 34, 102121.	1.6	8
9	High Performance of Carbon Monoxide Gas Sensor Based on a Novel PEDOT:PSS/PPA Nanocomposite. <i>ACS Omega</i> , 2022, 7, 22492-22499.	1.6	17
10	Combined effect of single-walled carbon nanotubes and cadmium on human lung cancer cells. <i>Environmental Science and Pollution Research</i> , 2022, 29, 87844-87857.	2.7	9
11	Citrus limetta Risso peel mediated green synthesis of gold nanoparticles and its antioxidant and catalytic activity. <i>Journal of King Saud University - Science</i> , 2022, 34, 102235.	1.6	11
12	Green synthesized chitosan modified platinum-doped silver nanocomposite: An investigation for biomedical and environmental applications. <i>Journal of King Saud University - Science</i> , 2022, 34, 102220.	1.6	2
13	SnO <sub>2</sub> -Doped ZnO/Reduced Graphene Oxide Nanocomposites: Synthesis, Characterization, and Improved Anticancer Activity via Oxidative Stress Pathway. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 89-104.	3.3	95
14	Pt-Coated Au Nanoparticle Toxicity Is Preferentially Triggered Via Mitochondrial Nitric Oxide/Reactive Oxygen Species in Human Liver Cancer (HepG2) Cells. <i>ACS Omega</i> , 2021, 6, 15431-15441.	1.6	5
15	Facile Synthesis of Zn-Doped Bi <sub>2</sub> O <sub>3</sub> Nanoparticles and Their Selective Cytotoxicity toward Cancer Cells. <i>ACS Omega</i> , 2021, 6, 17353-17361.	1.6	48
16	Anti-Inflammatory CeO <sub>2</sub> Nanoparticles Prevented Cytotoxicity Due to Exogenous Nitric Oxide Donors via Induction Rather Than Inhibition of Superoxide/Nitric Oxide in HUVE Cells. <i>Molecules</i> , 2021, 26, 5416.	1.7	8
17	A Novel Green Preparation of Ag/RGO Nanocomposites with Highly Effective Anticancer Performance. <i>Polymers</i> , 2021, 13, 3350.	2.0	44
18	Facile Synthesis, Characterization, Photocatalytic Activity, and Cytotoxicity of Ag-Doped MgO Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2915.	1.9	36

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19	Mitochondrial dysfunction, autophagy stimulation and non-apoptotic cell death caused by nitric oxide-inducing Pt-coated Au nanoparticle in human lung carcinoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129452.	1.1	17
20	Influence of silica nanoparticles on cadmium-induced cytotoxicity, oxidative stress, and apoptosis in human liver HepG2 cells. <i>Environmental Toxicology</i> , 2020, 35, 599-608.	2.1	11
21	Barium Titanate (BaTiO <sub>3</sub> ) Nanoparticles Exert Cytotoxicity through Oxidative Stress in Human Lung Carcinoma (A549) Cells. <i>Nanomaterials</i> , 2020, 10, 2309.	1.9	20
22	Gadolinium Oxide Nanoparticles Induce Toxicity in Human Endothelial HUVECs via Lipid Peroxidation, Mitochondrial Dysfunction and Autophagy Modulation. <i>Nanomaterials</i> , 2020, 10, 1675.	1.9	27
23	Alleviating effects of reduced graphene oxide against lead-induced cytotoxicity and oxidative stress in human alveolar epithelial (A549) cells. <i>Journal of Applied Toxicology</i> , 2020, 40, 1228-1238.	1.4	5
24	Reduced graphene oxide mitigates cadmium-induced cytotoxicity and oxidative stress in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2020, 143, 111515.	1.8	21
25	Crosslinked Coating Improves the Signal-to-Noise Ratio of Iron Oxide Nanoparticles in Magnetic Particle Imaging (MPI). <i>ChemNanoMat</i> , 2020, 6, 755-758.	1.5	5
26	TiO <sub>2</sub> nanoparticles potentiated the cytotoxicity, oxidative stress and apoptosis response of cadmium in two different human cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10425-10435.	2.7	29
27	Co-Exposure to SiO <sub>2</sub> Nanoparticles and Arsenic Induced Augmentation of Oxidative Stress and Mitochondria-Dependent Apoptosis in Human Cells. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3199.	1.2	36
28	Preventive effect of TiO <sub>2</sub> nanoparticles on heavy metal Pb-induced toxicity in human lung epithelial (A549) cells. <i>Toxicology in Vitro</i> , 2019, 57, 18-27.	1.1	53
29	Evaluation of the Cytotoxicity and Oxidative Stress Response of CeO <sub>2</sub> -RGO Nanocomposites in Human Lung Epithelial A549 Cells. <i>Nanomaterials</i> , 2019, 9, 1709.	1.9	28
30	Different cytotoxic and apoptotic responses of MCF-7 and HT1080 cells to MnO <sub>2</sub> nanoparticles are based on similar mode of action. <i>Toxicology</i> , 2019, 411, 71-80.	2.0	36
31	Oxidative stress mediated cytotoxicity and apoptosis response of bismuth oxide (Bi <sub>2</sub> O <sub>3</sub> ) nanoparticles in human breast cancer (MCF-7) cells. <i>Chemosphere</i> , 2019, 216, 823-831.	4.2	85
32	Toxicity Mechanism of Gadolinium Oxide Nanoparticles and Gadolinium Ions in Human Breast Cancer Cells. <i>Current Drug Metabolism</i> , 2019, 20, 907-917.	0.7	14
33	Copper doping enhanced the oxidative stress-mediated cytotoxicity of TiO <sub>2</sub> nanoparticles in A549 cells. <i>Human and Experimental Toxicology</i> , 2018, 37, 496-507.	1.1	21
34	Challenges facing nanotoxicology and nanomedicine due to cellular diversity. <i>Clinica Chimica Acta</i> , 2018, 487, 186-196.	0.5	17
35	MgO nanoparticles cytotoxicity caused primarily by GSH depletion in human lung epithelial cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 283-290.	1.5	23
36	Oxidative stress mediated cytotoxicity of tin (IV) oxide (SnO <sub>2</sub> ) nanoparticles in human breast cancer (MCF-7) cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 152-160.	2.5	39

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37	Mechanism of ROS scavenging and antioxidant signalling by redox metallic and fullerene nanomaterials: Potential implications in ROS associated degenerative disorders. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 802-813.	1.1	118
38	Nanocubes of indium oxide induce cytotoxicity and apoptosis through oxidative stress in human lung epithelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 157-164.	2.5	30
39	Therapeutic targets in the selective killing of cancer cells by nanomaterials. <i>Clinica Chimica Acta</i> , 2017, 469, 53-62.	0.5	14
40	Nanotoxicity of cobalt induced by oxidant generation and glutathione depletion in MCF-7 cells. <i>Toxicology in Vitro</i> , 2017, 40, 94-101.	1.1	32
41	Ag-doping regulates the cytotoxicity of TiO <sub>2</sub> nanoparticles via oxidative stress in human cancer cells. <i>Scientific Reports</i> , 2017, 7, 17662.	1.6	127
42	Dose-dependent genotoxicity of copper oxide nanoparticles stimulated by reactive oxygen species in human lung epithelial cells. <i>Toxicology and Industrial Health</i> , 2016, 32, 809-821.	0.6	91
43	Cobalt iron oxide nanoparticles induce cytotoxicity and regulate the apoptotic genes through ROS in human liver cells (HepG2). <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 665-673.	2.5	56
44	Role of Zn doping in oxidative stress mediated cytotoxicity of TiO <sub>2</sub> nanoparticles in human breast cancer MCF-7 cells. <i>Scientific Reports</i> , 2016, 6, 30196.	1.6	74
45	Differential cytotoxicity of copper ferrite nanoparticles in different human cells. <i>Journal of Applied Toxicology</i> , 2016, 36, 1284-1293.	1.4	47
46	Copper ferrite nanoparticle-induced cytotoxicity and oxidative stress in human breast cancer MCF-7 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 46-54.	2.5	66
47	Cytotoxic response of platinum-coated gold nanorods in human breast cancer cells at very low exposure levels. <i>Environmental Toxicology</i> , 2016, 31, 1344-1356.	2.1	8
48	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
49	Aluminum doping tunes band gap energy level as well as oxidative stress-mediated cytotoxicity of ZnO nanoparticles in MCF-7 cells. <i>Scientific Reports</i> , 2015, 5, 13876.	1.6	110
50	Comparative cytotoxic response of nickel ferrite nanoparticles in human liver HepG2 and breast MFC-7 cancer cells. <i>Chemosphere</i> , 2015, 135, 278-288.	4.2	79
51	Selective cancer-killing ability of metal-based nanoparticles: implications for cancer therapy. <i>Archives of Toxicology</i> , 2015, 89, 1895-1907.	1.9	45
52	Antioxidative and cytoprotective response elicited by molybdenum nanoparticles in human cells. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 370-377.	5.0	45
53	Glutathione replenishing potential of CeO <sub>2</sub> nanoparticles in human breast and fibrosarcoma cells. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 21-27.	5.0	52
54	Zinc ferrite nanoparticle-induced cytotoxicity and oxidative stress in different human cells. <i>Cell and Bioscience</i> , 2015, 5, 55.	2.1	57

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55	Assessment of the lung toxicity of copper oxide nanoparticles: current status. <i>Nanomedicine</i> , 2015, 10, 2365-2377.	1.7	91
56	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
57	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
58	Nickel nanoparticle-induced dose-dependent cyto-genotoxicity in human breast carcinoma MCF-7 cells. <i>OncoTargets and Therapy</i> , 2014, 7, 269.	1.0	44
59	Synthesis, Characterization, and Antimicrobial Activity of Copper Oxide Nanoparticles. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-4.	1.5	330
60	Targeted anticancer therapy: Overexpressed receptors and nanotechnology. <i>Clinica Chimica Acta</i> , 2014, 436, 78-92.	0.5	184
61	Comparative effectiveness of NiCl <sub>2</sub> , 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
62	Multifunctional gadofulleride nanoprobe for magnetic resonance imaging/fluorescent dual modality molecular imaging and free radical scavenging. <i>Carbon</i> , 2013, 65, 175-180.	5.4	16
63	Nickel oxide nanoparticles exert cytotoxicity via oxidative stress and induce apoptotic response in human liver cells (HepG2). <i>Chemosphere</i> , 2013, 93, 2514-2522.	4.2	143
64	Selective killing of cancer cells by iron oxide nanoparticles mediated through reactive oxygen species via p53 pathway. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	55
65	Copper Oxide Nanoparticles Induced Mitochondria Mediated Apoptosis in Human Hepatocarcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e69534.	1.1	285
66	Induction of oxidative stress, DNA damage, and apoptosis in a malignant human skin melanoma cell line after exposure to zinc oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 983.	3.3	62
67	Iron Oxide Nanoparticle-induced Oxidative Stress and Genotoxicity in Human Skin Epithelial and Lung Epithelial Cell Lines. <i>Current Pharmaceutical Design</i> , 2013, 19, 6681-6690.	0.9	114
68	Multifunctional imaging probe based on gadofulleride nanoplatfrom. <i>Nanoscale</i> , 2012, 4, 3669.	2.8	16
69	Making On-line Science Course Materials Easily Translatable and Accessible Worldwide: Challenges and Solutions. <i>Journal of Science Education and Technology</i> , 2012, 21, 1-10.	2.4	12
70	Genotoxic potential of copper oxide nanoparticles in human lung epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 578-583.	1.0	321
71	Elucidation of the effects of a high fat diet on trace elements in rabbit tissues using atomic absorption spectroscopy. <i>Lipids in Health and Disease</i> , 2010, 9, 2.	1.2	6
72	Measuring Students' Beliefs about Physics in Saudi Arabia. , 2009, , .		8

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73	Evaluation of Electrical Conductivity of Hemoglobin and Oxidative Stress in High Fat Diet Rabbits. Journal of Applied Sciences, 2009, 9, 2185-2189.	0.1	2
74	Molecular and morphological adaptations in compressed articular cartilage by polarized light microscopy and Fourier-transform infrared imaging. Journal of Structural Biology, 2008, 164, 88-95.	1.3	34
75	Effects of Cholesterol Feeding Periods on Blood Haematology and Biochemistry of Rabbits. International Journal of Biological Chemistry, 2008, 2, 49-53.	0.3	11
76	Morphological Changes in Articular Cartilage Due to Static Compression: Polarized Light Microscopy Study. Connective Tissue Research, 2007, 48, 76-84.	1.1	24
77	Modifications of orientational dependence of microscopic magnetic resonance imaging T2 anisotropy in compressed articular cartilage. Journal of Magnetic Resonance Imaging, 2005, 22, 665-673.	1.9	33
78	Detecting structural changes in early experimental osteoarthritis of tibial cartilage by microscopic magnetic resonance imaging and polarised light microscopy. Annals of the Rheumatic Diseases, 2004, 63, 709-717.	0.5	106
79	The structural adaptations in compressed articular cartilage by microscopic MRI (1/4MRI) T2 anisotropy. Osteoarthritis and Cartilage, 2004, 12, 887-894.	0.6	59
80	Imaging the physical and morphological properties of a multi-zone young articular cartilage at microscopic resolution. Journal of Magnetic Resonance Imaging, 2003, 17, 365-374.	1.9	88
81	Characteristics of topographical heterogeneity of articular cartilage over the joint surface of a humeral head. Osteoarthritis and Cartilage, 2002, 10, 370-380.	0.6	52
82	Orientational dependence of T2 relaxation in articular cartilage: A microscopic MRI (?MRI) study. Magnetic Resonance in Medicine, 2002, 48, 460-469.	1.9	202