

Ghassan M Sulaiman

List of Publications by Year in descending order

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83
papers

3,345
citations

101384

36
h-index

161609

54
g-index

84
all docs

84
docs citations

84
times ranked

3479
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis, antimicrobial and cytotoxic effects of silver nanoparticles using <i>Eucalyptus chapmaniana</i> leaves extract. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2013, 3, 58-63.	0.5	198
2	Antibacterial activity of magnetic iron oxide nanoparticles synthesized by laser ablation in liquid. <i>Materials Science and Engineering C</i> , 2015, 53, 286-297.	3.8	188
3	Hesperidin Loaded on Gold Nanoparticles as a Drug Delivery System for a Successful Biocompatible, Anti-Cancer, Anti-Inflammatory and Phagocytosis Inducer Model. <i>Scientific Reports</i> , 2020, 10, 9362.	1.6	161
4	Synthesis and Antibacterial Activity of CuO Nanoparticles Suspension Induced by Laser Ablation in Liquid. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 301-310.	1.1	132
5	Biosynthesis of silver nanoparticles from <i>Catharanthus roseus</i> leaf extract and assessing their antioxidant, antimicrobial, and wound-healing activities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1234-1240.	1.9	100
6	Biogenic synthesis of copper oxide nanoparticles using <i>Olea europaea</i> leaf extract and evaluation of their toxicity activities: An <i>in vivo</i> and <i>in vitro</i> study. <i>Biotechnology Progress</i> , 2018, 34, 218-230.	1.3	97
7	Green Synthesis of Silver Nanoparticles Using <i>Annona muricata</i> Extract as an Inducer of Apoptosis in Cancer Cells and Inhibitor for NLRP3 Inflammasome via Enhanced Autophagy. <i>Nanomaterials</i> , 2021, 11, 384.	1.9	96
8	Green Synthesis of Silver Nanoparticles Using Aqueous Citrus limon Zest Extract: Characterization and Evaluation of Their Antioxidant and Antimicrobial Properties. <i>Nanomaterials</i> , 2022, 12, 2013.	1.9	85
9	Extracellular biosynthesis of silver nanoparticles from <i>Penicillium italicum</i> and its antioxidant, antimicrobial and cytotoxicity activities. <i>Biotechnology Letters</i> , 2019, 41, 899-914.	1.1	84
10	Antibacterial Activity of TiO ₂ Nanoparticles Prepared by One-Step Laser Ablation in Liquid. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4623.	1.3	82
11	Fabrication of hesperidin nanoparticles loaded by poly lactic co-Glycolic acid for improved therapeutic efficiency and cytotoxicity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 378-394.	1.9	77
12	Green synthesis of silver nanoparticles from <i>Eriobotrya japonica</i> extract: a promising approach against cancer cells proliferation, inflammation, allergic disorders and phagocytosis induction. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021, 49, 48-60.	1.9	72
13	Biosynthesis, characterization of magnetic iron oxide nanoparticles and evaluations of the cytotoxicity and DNA damage of human breast carcinoma cell lines. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1215-1229.	1.9	70
14	Antibacterial Activity of Honey/Chitosan Nanofibers Loaded with Capsaicin and Gold Nanoparticles for Wound Dressing. <i>Molecules</i> , 2020, 25, 4770.	1.7	69
15	Green Synthesis of Silver Nanoparticles from <i>Alhagi graecorum</i> Leaf Extract and Evaluation of Their Cytotoxicity and Antifungal Activity. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	1.5	69
16	Chemical characterization of Iraqi propolis samples and assessing their antioxidant potentials. <i>Food and Chemical Toxicology</i> , 2011, 49, 2415-2421.	1.8	68
17	Nanoscale modification of chrysin for improved of therapeutic efficiency and cytotoxicity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 708-720.	1.9	68
18	Green Fabrication of Zinc Oxide Nanoparticles Using <i>Phlomis</i> Leaf Extract: Characterization and In Vitro Evaluation of Cytotoxicity and Antibacterial Properties. <i>Molecules</i> , 2021, 26, 6140.	1.7	68

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19	Synthesis, Characterization and Evaluation of Anti-bacterial, Anti-parasitic and Anti-cancer Activities of Aluminum-Doped Zinc Oxide Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3677-3693.	1.9	66
20	<p>Linalool-Loaded Glutathione-Modified Gold Nanoparticles Conjugated with CALNN Peptide as Apoptosis Inducer and NF- κ B Translocation Inhibitor in SKOV-3 Cell Line</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9025-9047.	3.3	65
21	Fe ₃ O ₄ Nanoparticles Capped with PEG Induce Apoptosis in Breast Cancer AMJ13 Cells Via Mitochondrial Damage and Reduction of NF- κ B Translocation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1241-1259.	1.9	61
22	Magnetic Field-Assisted Laser Ablation of Titanium Dioxide Nanoparticles in Water for Anti-Bacterial Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3649-3656.	1.9	59
23	Preparation of silver iodide nanoparticles using laser ablation in liquid for antibacterial applications. <i>IET Nanobiotechnology</i> , 2018, 12, 781-786.	1.9	55
24	Supermagnetic Fe ₃ O ₄ -PEG nanoparticles combined with NIR laser and alternating magnetic field as potent anti-cancer agent against human ovarian cancer cells. <i>Materials Research Express</i> , 2019, 6, 115412.	0.8	52
25	Investigation of Dextran-Coated Superparamagnetic Nanoparticles for Targeted Vinblastine Controlled Release, Delivery, Apoptosis Induction, and Gene Expression in Pancreatic Cancer Cells. <i>Molecules</i> , 2020, 25, 4721.	1.7	51
26	Anticancer activity and toxicity of carbon nanoparticles produced by pulsed laser ablation of graphite in water. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 035010.	0.7	50
27	Generation of NiO nanoparticles via pulsed laser ablation in deionised water and their antibacterial activity. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	48
28	Dextran-coated superparamagnetic nanoparticles modified with folate for targeted drug delivery of camptothecin. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 045009.	0.7	48
29	2-Benzhydrylsulfinyl-N-hydroxyacetamide-Na extracted from fig as a novel cytotoxic and apoptosis inducer in SKOV-3 and AMJ-13 cell lines via P53 and caspase-8 pathway. <i>European Food Research and Technology</i> , 2020, 246, 1591-1608.	1.6	45
30	Biosynthesis of silver nanoparticles synthesized by <i>Aspergillus flavus</i> and their antioxidant, antimicrobial and cytotoxicity properties. <i>Bulletin of Materials Science</i> , 2015, 38, 639-644.	0.8	44
31	Preparation of iron oxide nanoparticles-decorated carbon nanotube using laser ablation in liquid and their antimicrobial activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1699-1709.	1.9	44
32	Quercetin against MCF7 and CAL51 breast cancer cell lines: apoptosis, gene expression and cytotoxicity of nano-quercetin. <i>Nanomedicine</i> , 2021, 16, 1937-1961.	1.7	44
33	Inhibition of <i>Staphylococcus aureus</i> α -Hemolysin Production Using Nanocurcumin Capped Au@ZnO Nanocomposite. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-18.	1.8	44
34	Iraqi propolis increases degradation of IL-1 β and NLRP4 by autophagy following <i>Pseudomonas aeruginosa</i> infection. <i>Microbes and Infection</i> , 2018, 20, 89-100.	1.0	42
35	Graphene nanoparticles induces apoptosis in MCF-7 cells through mitochondrial damage and NF-KB pathway. <i>Materials Research Express</i> , 2019, 6, 095413.	0.8	41
36	Pathological And Immunological Study On Infection With <i>Escherichia Coli</i> In ale BALB/c mice. <i>Journal of Physics: Conference Series</i> , 2018, 1003, 012009.	0.3	40

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37	Development of Inula graveolens (L.) Plant Extract Electrospun/Polycaprolactone Nanofibers: A Novel Material for Biomedical Application. Applied Sciences (Switzerland), 2021, 11, 828.	1.3	40
38	PHENOLIC CONTENT, ANTIOXIDANT, ANTIMICROBIAL AND CYTOTOXIC ACTIVITIES OF ETHANOLIC EXTRACT OF &i&tSALIX ALBA&i&t. American Journal of Biochemistry and Biotechnology, 2013, 9, 41-46.	0.1	39
39	Immobilization of L-asparaginase on gold nanoparticles for novel drug delivery approach as anti-cancer agent against human breast carcinoma cells. Journal of Materials Research and Technology, 2020, 9, 15394-15411.	2.6	39
40	Layer-by-Layer Nanoparticles of Tamoxifen and Resveratrol for Dual Drug Delivery System and Potential Triple-Negative Breast Cancer Treatment. Pharmaceutics, 2021, 13, 1098.	2.0	39
41	Pt(II)-Thiocarbohydrazone Complex as Cytotoxic Agent and Apoptosis Inducer in Caov-3 and HT-29 Cells through the P53 and Caspase-8 Pathways. Pharmaceutics, 2021, 14, 509.	1.7	38
42	Assessing the anti-tumour properties of Iraqi propolis in vitro and in vivo. Food and Chemical Toxicology, 2012, 50, 1632-1641.	1.8	31
43	The effect of laser energy on the properties of carbon nanotube"iron oxide nanoparticles composite prepared via pulsed laser ablation in liquid. Materials Research Express, 2018, 5, 105004.	0.8	29
44	Theoretical, antioxidant and cytotoxic activities of caffeic acid phenethyl ester and chrysin. International Journal of Food Sciences and Nutrition, 2014, 65, 101-105.	1.3	28
45	Galangin/ β -2-Cyclodextrin Inclusion Complex as a Drug-Delivery System for Improved Solubility and Biocompatibility in Breast Cancer Treatment. Molecules, 2022, 27, 4521.	1.7	28
46	Preparation and characterization of graphene sheet prepared by laser ablation in liquid. Materials Today: Proceedings, 2020, 20, 535-539.	0.9	26
47	Molecular structure and anti-proliferative effect of galangin in HCT-116 cells: In vitro study. Food Science and Biotechnology, 2016, 25, 247-252.	1.2	22
48	Anti-Microbial, Anti-Oxidant, and α -Amylase Inhibitory Activity of Traditionally-Used Medicinal Herbs: A Comparative Analyses of Pharmacology, and Phytoconstituents of Regional Halophytic Plants"™ Diaspora. Molecules, 2020, 25, 5457.	1.7	22
49	Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity. Microorganisms, 2021, 9, 101.	1.6	22
50	Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cells"™ Phagocytosis through Granzyme-Perforin-Dependent Biomechanism. Nanomaterials, 2021, 11, 1382.	1.9	20
51	Antibacterial activity of Zinc Oxide nanostructured materials synthesis by laser ablation method. Journal of Physics: Conference Series, 2021, 1795, 012040.	0.3	19
52	Effect of hesperidin conjugated with golden nanoparticles on phagocytic activity: In vitro study. AIP Conference Proceedings, 2020, .	0.3	18
53	Copper Oxide Nanoparticle-Decorated Carbon Nanoparticle Composite Colloidal Preparation through Laser Ablation for Antimicrobial and Antiproliferative Actions against Breast Cancer Cell Line, MCF-7. BioMed Research International, 2022, 2022, 1-13.	0.9	18
54	Preparation of iron oxide nanoparticles by laser ablation in DMF under effect of external magnetic field. International Journal of Modern Physics B, 2016, 30, 1650094.	1.0	16

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55	Antibacterial Activity of Bismuth Oxide Nanoparticles Compared to Amikacin against <i>Acinetobacter baumannii</i> and <i>Staphylococcus aureus</i> . <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	1.5	16
56	In vitro study of molecular structure and cytotoxicity effect of luteolin in the human colon carcinoma cells. <i>European Food Research and Technology</i> , 2015, 241, 83-90.	1.6	14
57	Preparation of Iron Oxide and Titania-Based Composite, Core-Shell Populated, Nanoparticulates Material by Two-Step LASER Ablation in Aqueous Media as Antimicrobial and Anticancer Agents. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-19.	1.8	13
58	Roles of <i>Suaeda vermiculata</i> Aqueous-Ethanollic Extract, Its Subsequent Fractions, and the Isolated Compounds in Hepatoprotection against Paracetamol-Induced Toxicity as Compared to Silymarin. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	1.9	11
59	Photodetection properties of populated Fe ₃ O ₄ @TiO ₂ core-shell/Si heterojunction prepared by laser ablation in water. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	11
60	Eco-Friendly Synthesis of Carbon Nanoparticles by Laser Ablation in Water and Evaluation of Their Antibacterial Activity. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	1.5	10
61	Synthesis, antimicrobial and antioxidant activities of 5-((2-oxo-2H-chromen-7-yl)oxy)methyl)-1,3,4-thiadiazol-2(3H)-one derived from umbelliferone. <i>Chemistry of Natural Compounds</i> , 2013, 48, 950-954.	0.2	9
62	Chemical characterization, antioxidant and cytotoxic activities of the methanolic extract of <i>Hymenocrater longiflorus</i> grown in Iraq. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015, 70, 227-235.	0.6	9
63	A Novel Microfluidic Device for Blood Plasma Filtration. <i>Micromachines</i> , 2021, 12, 336.	1.4	9
64	Isolation and Identification of <i>Penicillium italicum</i> from Iraqi Citrus Lemon Fruits and its Ability Manufacture of Silver Nanoparticles and their Antibacterial and Antifungal activity. <i>Research Journal of Pharmacy and Technology</i> , 2019, 12, 1320.	0.2	9
65	Synthesis, characterization and antibacterial activity of colloidal NiO nanoparticles. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016, 29, 541-6.	0.2	9
66	Folate-methotrexate loaded bovine serum albumin nanoparticles preparation: an in vitro drug targeting cytokines overwhelming expressed immune cells from rheumatoid arthritis patients. <i>Animal Biotechnology</i> , 2023, 34, 166-182.	0.7	7
67	Role of caffeic acid phenethyl ester on mitomycin C induced clastogenesis: analysis of chromosome aberrations, micronucleus, mitotic index and adenosine deaminase activity in vivo. <i>Journal of Applied Genetics</i> , 2012, 53, 213-219.	1.0	5
68	Histopathological changes and expression of transforming growth factor beta (TGF- β 3) in mice exposed to gliotoxin. <i>Journal of King Saud University - Science</i> , 2020, 32, 716-725.	1.6	4
69	In silico analysis of quercetin as potential anti-cancer agents. <i>Materials Today: Proceedings</i> , 2021, 42, 2521-2526.	0.9	4
70	Anticorrosion and antibacterial effects of new Schiff base derived from hydrazine. <i>Journal of Physics: Conference Series</i> , 2021, 1795, 012021.	0.3	4
71	Serum levels of zinc, copper, selenium and glutathione peroxidase in the different groups of colorectal cancer patients. <i>Caspian Journal of Internal Medicine</i> , 2020, 11, 384-390.	0.1	4
72	CHEMICAL COMPOSITION, ANTIMICROBIAL, ANTIOXIDANT AND CYTOTOXIC ACTIVITIES OF <i>EUCALYPTUS CHAPMANIANA</i> GROWN IN IRAQ. <i>American Journal of Agricultural and Biological Science</i> , 2014, 9, 78-88.	0.9	3

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73	Zinc oxide nanoparticles formation utilizing one step laser ablation in DIW. AIP Conference Proceedings, 2020, , .	0.3	3
74	Synthesis and characterization of magnetite Fe ₃ O ₄ nanoparticles using one step laser ablation in water under effect of external magnetic field. Journal of Physics: Conference Series, 2021, 1795, 012028.	0.3	3
75	Synthesis, Molecular Modeling, DNA Damage Interaction, and Antioxidant Potential of Hesperidin Loaded on Gold Nanoparticles. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 54, 17-29.	0.5	3
76	The effect of cherry sticks extract on the levels of glycoproteins in alloxan-induced experimental diabetic mice. Annals of Clinical and Laboratory Science, 2012, 42, 34-41.	0.2	3
77	Synthesis and characterization of triazol derivative as new corrosion inhibitor for mild steel in 1M HCl solution complemented with antibacterial studies. Journal of Physics: Conference Series, 2021, 1795, 012011.	0.3	2
78	Enhanced cellular uptake and anti-cancer potentials of gold nanoparticles conjugated with cell penetration peptide against lung cancer cells. IOP Conference Series: Materials Science and Engineering, 2020, 928, 062025.	0.3	1
79	The Morphological Effects of Methandienone on Sperm Head in Male Mice. Biosciences, Biotechnology Research Asia, 2018, 15, 643-648.	0.2	1
80	Chrysin protects mice liver and kidney from methandienone-induced oxidative stress, inflammation a multi-biomarker approach. International Journal of Research in Pharmaceutical Sciences, 2019, 10, 1081-1088.	0.0	1
81	The Inhibitory Effect of Iraqi Propolis Extract Against Three isolates of Candida Albicans. Journal of Al-Nahrain University-Science, 2005, 8, 81-85.	0.1	0
82	Biological Effects of Stick Cherry, Soybean Seed and Licorice Root Extracts on Concentration of Serum Hormone Levels in Male Mice. Journal of Al-Nahrain University-Science, 2014, 17, 18-26.	0.1	0
83	The Ameliorative Effects of chrysin against Methandienone-Induced change in blood Parameters in Mice. Indian Journal of Public Health Research and Development, 2019, 10, 499.	0.1	0