

Ghassan M Sulaiman

List of Publications by Year in descending order

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83
papers

3,345
citations

94433
37
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161849
54
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84
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84
docs citations

84
times ranked

3479
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Green synthesis, antimicrobial and cytotoxic effects of silver nanoparticles using Eucalyptus chapmaniana leaves extract. Asian Pacific Journal of Tropical Biomedicine, 2013, 3, 58-63. | 1.2 | 198 |
| 2 | Antibacterial activity of magnetic iron oxide nanoparticles synthesized by laser ablation in liquid. Materials Science and Engineering C, 2015, 53, 286-297. | 7.3 | 188 |
| 3 | Hesperidin Loaded on Gold Nanoparticles as a Drug Delivery System for a Successful Biocompatible, Anti-Cancer, Anti-Inflammatory and Phagocytosis Inducer Model. Scientific Reports, 2020, 10, 9362. | 3.3 | 161 |
| 4 | Synthesis and Antibacterial Activity of CuO Nanoparticles Suspension Induced by Laser Ablation in Liquid. Arabian Journal for Science and Engineering, 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. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1234-1240. | 2.8 | 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. Biotechnology Progress, 2018, 34, 218-230. | 2.6 | 97 |
| 7 | Green Synthesis of Silver Nanoparticles Using Annona muricata Extract as an Inducer of Apoptosis in Cancer Cells and Inhibitor for NLRP3 Inflammasome via Enhanced Autophagy. Nanomaterials, 2021, 11, 384. | 4.1 | 96 |
| 8 | Green Synthesis of Silver Nanoparticles Using Aqueous Citrus limon Zest Extract: Characterization and Evaluation of Their Antioxidant and Antimicrobial Properties. Nanomaterials, 2022, 12, 2013. | 4.1 | 85 |
| 9 | Extracellular biosynthesis of silver nanoparticles from Penicillium italicum and its antioxidant, antimicrobial and cytotoxicity activities. Biotechnology Letters, 2019, 41, 899-914. | 2.2 | 84 |
| 10 | Antibacterial Activity of TiO ₂ Nanoparticles Prepared by One-Step Laser Ablation in Liquid. Applied Sciences (Switzerland), 2021, 11, 4623. | 2.5 | 82 |
| 11 | Fabrication of hesperidin nanoparticles loaded by poly lactic co-Glycolic acid for improved therapeutic efficiency and cytotoxicity. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 378-394. | 2.8 | 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. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 48-60. | 2.8 | 72 |
| 13 | Biosynthesis, characterization of magnetic iron oxide nanoparticles and evaluations of the cytotoxicity and DNA damage of human breast carcinoma cell lines. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1215-1229. | 2.8 | 70 |
| 14 | Antibacterial Activity of Honey/Chitosan Nanofibers Loaded with Capsaicin and Gold Nanoparticles for Wound Dressing. Molecules, 2020, 25, 4770. | 3.8 | 69 |
| 15 | Green Synthesis of Silver Nanoparticles from Alhagi graecorum Leaf Extract and Evaluation of Their Cytotoxicity and Antifungal Activity. Journal of Nanomaterials, 2022, 2022, 1-8. | 2.7 | 69 |
| 16 | Chemical characterization of Iraqi propolis samples and assessing their antioxidant potentials. Food and Chemical Toxicology, 2011, 49, 2415-2421. | 3.6 | 68 |
| 17 | Nanoscale modification of chrysin for improved of therapeutic efficiency and cytotoxicity. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 708-720. | 2.8 | 68 |
| 18 | Green Fabrication of Zinc Oxide Nanoparticles Using Phlomis Leaf Extract: Characterization and In Vitro Evaluation of Cytotoxicity and Antibacterial Properties. Molecules, 2021, 26, 6140. | 3.8 | 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. | 3.7 | 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. | 6.7 | 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. | 3.7 | 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. | 3.7 | 59 |
| 23 | Preparation of silver iodide nanoparticles using laser ablation in liquid for antibacterial applications. <i>IET Nanobiotechnology</i> , 2018, 12, 781-786. | 3.8 | 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. | 1.6 | 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. | 3.8 | 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. | 1.5 | 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. | 2.3 | 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. | 1.5 | 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. | 3.3 | 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. | 1.7 | 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. | 2.8 | 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. | 3.3 | 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. | 4.1 | 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. | 1.9 | 42 |
| 35 | Graphene nanoparticles induces apoptosis in MCF-7 cells through mitochondrial damage and NF- κ B pathway. <i>Materials Research Express</i> , 2019, 6, 095413. | 1.6 | 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. | 0.4 | 40 |

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|----|---|-----|-----------|
| 37 | Development of <i>Inula graveolens</i> (L.) Plant Extract Electrospun/Polycaprolactone Nanofibers: A Novel Material for Biomedical Application. <i>Applied Sciences</i> (Switzerland), 2021, 11, 828. | 2.5 | 40 |
| 38 | PHENOLIC CONTENT, ANTIOXIDANT, ANTIMICROBIAL AND CYTOTOXIC ACTIVITIES OF ETHANOLIC EXTRACT OF <i>SALIX ALBA</i> . <i>American Journal of Biochemistry and Biotechnology</i> , 2013, 9, 41-46. | 0.4 | 39 |
| 39 | Immobilization of L-asparaginase on gold nanoparticles for novel drug delivery approach as anti-cancer agent against human breast carcinoma cells. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15394-15411. | 5.8 | 39 |
| 40 | Layer-by-Layer Nanoparticles of Tamoxifen and Resveratrol for Dual Drug Delivery System and Potential Triple-Negative Breast Cancer Treatment. <i>Pharmaceutics</i> , 2021, 13, 1098. | 4.5 | 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. <i>Pharmaceutics</i> , 2021, 14, 509. | 3.8 | 38 |
| 42 | Assessing the anti-tumour properties of Iraqi propolis in vitro and in vivo. <i>Food and Chemical Toxicology</i> , 2012, 50, 1632-1641. | 3.6 | 31 |
| 43 | The effect of laser energy on the properties of carbon nanotube-iron oxide nanoparticles composite prepared via pulsed laser ablation in liquid. <i>Materials Research Express</i> , 2018, 5, 105004. | 1.6 | 29 |
| 44 | Theoretical, antioxidant and cytotoxic activities of caffeic acid phenethyl ester and chrysin. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 101-105. | 2.8 | 28 |
| 45 | Galangin/ β -2-Cyclodextrin Inclusion Complex as a Drug-Delivery System for Improved Solubility and Biocompatibility in Breast Cancer Treatment. <i>Molecules</i> , 2022, 27, 4521. | 3.8 | 28 |
| 46 | Preparation and characterization of graphene sheet prepared by laser ablation in liquid. <i>Materials Today: Proceedings</i> , 2020, 20, 535-539. | 1.8 | 26 |
| 47 | Molecular structure and anti-proliferative effect of galangin in HCT-116 cells: In vitro study. <i>Food Science and Biotechnology</i> , 2016, 25, 247-252. | 2.6 | 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 <i>Diaspora</i> . <i>Molecules</i> , 2020, 25, 5457. | 3.8 | 22 |
| 49 | Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity. <i>Microorganisms</i> , 2021, 9, 101. | 3.6 | 22 |
| 50 | Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cells Φ Phagocytosis through Granzyme-Perforin-Dependent Biomechanism. <i>Nanomaterials</i> , 2021, 11, 1382. | 4.1 | 20 |
| 51 | Antibacterial activity of Zinc Oxide nanostructured materials synthesis by laser ablation method. <i>Journal of Physics: Conference Series</i> , 2021, 1795, 012040. | 0.4 | 19 |
| 52 | Effect of hesperidin conjugated with golden nanoparticles on phagocytic activity: In vitro study. <i>AIP Conference Proceedings</i> , 2020, . | 0.4 | 18 |
| 53 | Copper Oxide Nanoparticle-Decorated Carbon Nanoparticle Colloidal Preparation through Laser Ablation for Antimicrobial and Antiproliferative Actions against Breast Cancer Cell Line, MCF-7. <i>BioMed Research International</i> , 2022, 2022, 1-13. | 1.9 | 18 |
| 54 | Preparation of iron oxide nanoparticles by laser ablation in DMF under effect of external magnetic field. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650094. | 2.0 | 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. | 2.7 | 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. | 3.3 | 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. | 4.1 | 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. | 4.0 | 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. | 2.3 | 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. | 2.7 | 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. | 0.8 | 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. | 1.4 | 9 |
| 63 | A Novel Microfluidic Device for Blood Plasma Filtration. <i>Micromachines</i> , 2021, 12, 336. | 2.9 | 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. | 0.8 | 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 <i>in vitro</i> drug targeting cytokines overwhelming expressed immune cells from rheumatoid arthritis patients. <i>Animal Biotechnology</i> , 2023, 34, 166-182. | 1.5 | 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. | 1.9 | 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. | 3.5 | 4 |
| 69 | In silico analysis of quercetin as potential anti-cancer agents. <i>Materials Today: Proceedings</i> , 2021, 42, 2521-2526. | 1.8 | 4 |
| 70 | Anticorrosion and antibacterial effects of new Schiff base derived from hydrazine. <i>Journal of Physics: Conference Series</i> , 2021, 1795, 012021. | 0.4 | 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. | 0.2 | 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. | 0.4 | 3 |

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|----|---|-----|-----------|
| 73 | Zinc oxide nanoparticles formation utilizing one step laser ablation in DIW. AIP Conference Proceedings, 2020, , . | 0.4 | 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. | 0.4 | 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. | 0.4 | 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. | 0.6 | 1 |
| 79 | The Morphological Effects of Methandienone on Sperm Head in Male Mice. Biosciences, Biotechnology Research Asia, 2018, 15, 643-648. | 0.5 | 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. | 0.1 | 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. | 0.0 | 0 |