

Ahmad Gholami

List of Publications by Citations

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97
papers

1,820
citations

19
h-index

40
g-index

112
ext. papers

2,501
ext. citations

3.4
avg, IF

5.32
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 97 | Recent advances in microbial polyhydroxyalkanoates. <i>Process Biochemistry</i> , 2005 , 40, 607-619 | 4.8 | 539 |
| 96 | The Effect of Charge at the Surface of Silver Nanoparticles on Antimicrobial Activity against Gram-Positive and Gram-Negative Bacteria: A Preliminary Study. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8 | 3.2 | 209 |
| 95 | Functionalized Graphene Oxide with Chitosan for Protein Nanocarriers to Protect against Enzymatic Cleavage and Retain Collagenase Activity. <i>Scientific Reports</i> , 2017 , 7, 42258 | 4.9 | 80 |
| 94 | Positively charged imidazolium-based ionic liquid-protected silver nanoparticles: a promising disinfectant in root canal treatment. <i>International Endodontic Journal</i> , 2015 , 48, 790-800 | 5.4 | 56 |
| 93 | Ultra-sensitive viral glycoprotein detection NanoSystem toward accurate tracing SARS-CoV-2 in biological/non-biological media. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112731 | 11.8 | 55 |
| 92 | Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 3524-3535 | 3.6 | 44 |
| 91 | Lipoamino Acid Coated Superparamagnetic Iron Oxide Nanoparticles Concentration and Time Dependently Enhanced Growth of Human Hepatocarcinoma Cell Line (Hep-G2). <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9 | 3.2 | 41 |
| 90 | Production of a novel multi-epitope peptide vaccine for cancer immunotherapy in TC-1 tumor-bearing mice. <i>Biologicals</i> , 2015 , 43, 11-7 | 1.8 | 34 |
| 89 | Supportive Role of Probiotic Strains in Protecting Rats from Ovariectomy-Induced Cortical Bone Loss. <i>Probiotics and Antimicrobial Proteins</i> , 2019 , 11, 1145-1154 | 5.5 | 32 |
| 88 | Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , 2020 , 52, 299-318 | 7 | 30 |
| 87 | Time-dependent antibacterial effects of Aloe vera and Zataria multiflora plant essential oils compared to calcium hydroxide in teeth infected with <i>Enterococcus faecalis</i> . <i>Journal of Investigative and Clinical Dentistry</i> , 2016 , 7, 93-101 | 2.3 | 28 |
| 86 | Magnetic immobilization of recombinant <i>E. coli</i> producing extracellular asparaginase: An effective way to intensify downstream process. <i>Separation Science and Technology</i> , 2018 , 53, 1397-1404 | 2.5 | 26 |
| 85 | Current trends in chemical modifications of magnetic nanoparticles for targeted drug delivery in cancer chemotherapy. <i>Drug Metabolism Reviews</i> , 2020 , 52, 205-224 | 7 | 26 |
| 84 | 3D Nanostructures for Tissue Engineering, Cancer Therapy, and Gene Delivery. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-24 | 3.2 | 25 |
| 83 | Antimicrobial and cytotoxic activity of <i>Ferula gummosa</i> plant essential oil compared to NaOCl and CHX: a preliminary in vitro study. <i>Restorative Dentistry & Endodontics</i> , 2015 , 40, 50-7 | 1.5 | 24 |
| 82 | Antimicrobial and Cytotoxic Activity of <i>Cinnamomum zeylanicum</i> , Calcium Hydroxide, and Triple Antibiotic Paste as Root Canal Dressing Materials. <i>Journal of Contemporary Dental Practice</i> , 2016 , 17, 105-13 | 0.7 | 24 |
| 81 | Comparative Study on Characteristics and Cytotoxicity of Bifunctional Magnetic-Silver Nanostructures: Synthesized Using Three Different Reducing Agents. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016 , 29, 326-334 | 2.5 | 23 |

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| 80 | Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. <i>Symmetry</i> , 2020 , 12, 1100-7 | 2.7 | 23 |
| 79 | Biochemical and Histological Evidence on the Protective Effects of (Persian Shallot) as an Herbal Supplement in Cadmium-Induced Hepatotoxicity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 7457504 | 2.3 | 20 |
| 78 | Antimicrobial and Cytotoxic Activity of Cuminum Cyminum as an Intracanal Medicament Compared to Chlorhexidine Gel. <i>Iranian Endodontic Journal</i> , 2016 , 11, 44-50 | | 19 |
| 77 | Computational design of a chimeric epitope-based vaccine to protect against Staphylococcus aureus infections. <i>Molecular and Cellular Probes</i> , 2019 , 46, 101414 | 3.3 | 18 |
| 76 | The Effects of Different Ionic Liquid Coatings and the Length of Alkyl Chain on Antimicrobial and Cytotoxic Properties of Silver Nanoparticles. <i>Iranian Endodontic Journal</i> , 2017 , 12, 481-487 | | 18 |
| 75 | Chemical constituent and antimicrobial effect of essential oil from Myrtus communis leaves on microorganisms involved in persistent endodontic infection compared to two common endodontic irrigants: An in vitro study. <i>Journal of Conservative Dentistry</i> , 2014 , 17, 449-53 | 0.9 | 18 |
| 74 | Recent Progress in Chemical Composition, Production, and Pharmaceutical Effects of Kombucha Beverage: A Complementary and Alternative Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 4397543 | 2.3 | 18 |
| 73 | Cloning, Characterization and Bioinformatics Analysis of Novel Cytosine Deaminase from Escherichia coli AGH09. <i>International Journal of Peptide Research and Therapeutics</i> , 2015 , 21, 365-374 | 2.1 | 17 |
| 72 | Antibacterial activity of SPIONs versus ferrous and ferric ions under aerobic and anaerobic conditions: a preliminary mechanism study. <i>IET Nanobiotechnology</i> , 2020 , 14, 155-160 | 2 | 17 |
| 71 | Development and Characterization of Probiotic Lysate-Treated Chitosan Nanogel as a Novel Biocompatible Formulation for Wound Healing. <i>BioMed Research International</i> , 2020 , 2020, 8868618 | 3 | 16 |
| 70 | Recent Advances in Enzymes for the Bioremediation of Pollutants. <i>Biochemistry Research International</i> , 2021 , 2021, 5599204 | 2.4 | 15 |
| 69 | Recent biotechnological approaches for treatment of novel COVID-19: from bench to clinical trial. <i>Drug Metabolism Reviews</i> , 2021 , 53, 141-170 | 7 | 15 |
| 68 | Protective Role of Probiotic Supplements in Hepatic Steatosis: A Rat Model Study. <i>BioMed Research International</i> , 2020 , 2020, 5487659 | 3 | 14 |
| 67 | Expression of key apoptotic genes in hepatocellular carcinoma cell line treated with etoposide-loaded graphene oxide. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 57, 101725 | 4.5 | 14 |
| 66 | A Comprehensive Insight Towards Pharmaceutical Aspects of Graphene Nanosheets. <i>Current Pharmaceutical Biotechnology</i> , 2020 , 21, 1016-1027 | 2.6 | 14 |
| 65 | Antibiofilm Efficacy of Positively Charged Imidazolium-Based Silver Nanoparticles in Enterococcus faecalis Using Quantitative Real-Time PCR. <i>Jundishapur Journal of Microbiology</i> , 2017 , 10, | 1.2 | 14 |
| 64 | Synthesis, docking and evaluation of in vitro anti-inflammatory activity of novel morpholine capped β -lactam derivatives. <i>Bioorganic Chemistry</i> , 2020 , 102, 104091 | 5.1 | 13 |
| 63 | A new approach to eliminating of chaotic ferroresonant oscillations in power transformer. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 67, 152-160 | 5.1 | 10 |

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| 62 | Antibacterial Effects of Green-Synthesized Silver Nanoparticles Using <i>Ferula asafoetida</i> against <i>Acinetobacter baumannii</i> Isolated from the Hospital Environment and Assessment of Their Cytotoxicity on the Human Cell Lines. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-12 | 3.2 | 10 |
| 61 | Bioactive Graphene Quantum Dots Based Polymer Composite for Biomedical Applications.. <i>Polymers</i> , 2022 , 14, | 4.5 | 9 |
| 60 | Antimicrobial Activity of Isoniazid in Conjugation with Surface-Modified Magnetic Nanoparticles against <i>Mycobacterium tuberculosis</i> and Nonmycobacterial Microorganisms. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-9 | 3.2 | 9 |
| 59 | Bioinorganic Synthesis of Polyrhodanine Stabilized FeO/Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications. <i>Bioinorganic Chemistry and Applications</i> , 2021 , 2021, 9972664 | 4.2 | 9 |
| 58 | Probiotics ameliorate pioglitazone-associated bone loss in diabetic rats. <i>Diabetology and Metabolic Syndrome</i> , 2020 , 12, | 5.6 | 8 |
| 57 | Virosome-based nanovaccines; a promising bioinspiration and biomimetic approach for preventing viral diseases: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 648-658 | 7.9 | 8 |
| 56 | Novel versatile 3D bio-scaffold made of natural biocompatible hagfish exudate for tissue growth and organoid modeling. <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 894-902 | 7.9 | 7 |
| 55 | Evaluation of Surface-modified Superparamagnetic Iron Oxide Nanoparticles to Optimize Bacterial Immobilization for Bio-separation with the Least Inhibitory Effect on Microorganism Activity. <i>Nanoscience and Nanotechnology - Asia</i> , 2020 , 10, 166-174 | 0.7 | 7 |
| 54 | Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 7 |
| 53 | Multifunctional Gold Nanorod for Therapeutic Applications and Pharmaceutical Delivery Considering Cellular Metabolic Responses, Oxidative Stress and Cellular Longevity. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 7 |
| 52 | A Review on Health Benefits of L. Nutritional Compounds for Metabolites, Antioxidants, and Anti-Inflammatory, Anticancer, and Antimicrobial Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021 , 2021, 5548404 | 2.3 | 7 |
| 51 | Bioactive Agent-Loaded Electrospun Nanofiber Membranes for Accelerating Healing Process: A Review. <i>Membranes</i> , 2021 , 11, | 3.8 | 7 |
| 50 | Magnetic silica nanoparticle-supported copper complex as an efficient catalyst for the synthesis of novel triazolopyrazinylacetamides with improved antibacterial activity. <i>Chemistry of Heterocyclic Compounds</i> , 2020 , 56, 488-494 | 1.4 | 6 |
| 49 | Collagen/chitosan-functionalized graphene oxide hydrogel provide a 3D matrix for neural stem/precursor cells survival, adhesion, infiltration and migration. <i>Journal of Bioactive and Compatible Polymers</i> , 2021 , 36, 296-313 | 2 | 6 |
| 48 | Synergistic Evaluation of Functionalized Magnetic Nanoparticles and Antibiotics Against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Pharmaceutical Nanotechnology</i> , 2018 , 6, 276-286 | 4 | 5 |
| 47 | Bio-enhanced polyrhodanine/graphene Oxide/Fe ₃ O ₄ nanocomposite with kombucha solvent supernatant as ultra-sensitive biosensor for detection of doxorubicin hydrochloride in biological fluids. <i>Materials Chemistry and Physics</i> , 2022 , 279, 125743 | 4.4 | 5 |
| 46 | Synthesis and Characterization of L-Lysin Coated Iron Oxide Nanoparticles as Appropriate Choices for Cell Immobilization and Magnetic Separation. <i>Nanoscience and Nanotechnology - Asia</i> , 2019 , 9, 462-466 | 0.7 | 5 |
| 45 | Renewable Carbon Nanomaterials: Novel Resources for Dental Tissue Engineering. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 5 |

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| 44 | Glycolic acid-supported cobalt ferrite-catalyzed one-pot synthesis of pyrimido[4,5-b]quinoline and indenopyrido[2,3-d]pyrimidine derivatives. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e6007 | 3.1 | 5 |
| 43 | Functionalization of Graphene Oxide Nanosheets Can Reduce Their Cytotoxicity to Dental Pulp Stem Cells. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-14 | 3.2 | 5 |
| 42 | Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. <i>Journal of Sensors</i> , 2021 , 2021, 1-14 | 2 | 5 |
| 41 | The modulatory potential of herbal antioxidants against oxidative stress and heavy metal pollution: plants against environmental oxidative stress. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 61908-61918 | 5.1 | 5 |
| 40 | Choline chloride/Oxalic acid (ChCl/Oxa) catalyzed one-pot synthesis of novel azo and sulfonated pyrimido[4,5-b]quinoline derivatives. <i>Dyes and Pigments</i> , 2020 , 180, 108453 | 4.6 | 4 |
| 39 | Effect of metal oxide arrester on the chaotic oscillations in the voltage transformer with nonlinear core loss model using chaos theory. <i>Chinese Physics B</i> , 2014 , 23, 018201 | 1.2 | 4 |
| 38 | The crucial role of oxidative stress in non-alcoholic fatty liver disease-induced male reproductive toxicity: the ameliorative effects of Iranian indigenous probiotics.. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022 , 395, 247 | 3.4 | 4 |
| 37 | Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications.. <i>Biomaterials Research</i> , 2022 , 26, 4 | 16.8 | 4 |
| 36 | Exploring the bone sparing effects of postbiotics in the post-menopausal rat model. <i>BMC Complementary Medicine and Therapies</i> , 2021 , 21, 155 | 2.9 | 4 |
| 35 | Trends in Natural Nutrients for Oxidative Stress and Cell Senescence. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 7501424 | 6.7 | 4 |
| 34 | Antibacterial and Toxic Effect of Hydrogen Peroxide Combined with Different Concentrations of Chlorhexidine in Comparison with Sodium Hypochlorite. <i>Journal of Dentistry</i> , 2015 , 16, 349-55 | 0.5 | 3 |
| 33 | TiCl ₄ /nano-sawdust as an Efficient Biocatalyst for the Synthesis of Highly Substituted Dihydro-2-oxopyrroles as Antimicrobial Agents. <i>British Journal of Pharmaceutical Research</i> , 2017 , 16, 1-14 | | 3 |
| 32 | Recent advances in nanodentistry: a special focus on endodontics. <i>Micro and Nano Letters</i> , 2020 , 15, 812-816 | 0.16 | 3 |
| 31 | Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. <i>Journal of Sensors</i> , 2021 , 2021, 1-15 | 2 | 3 |
| 30 | Sulfonamide- β -lactam Hybrids Incorporating the Piperazine Moiety as Potential Antiinflammatory Agent with Promising Antibacterial Activity. <i>ChemistrySelect</i> , 2021 , 6, 5313-5319 | 1.8 | 3 |
| 29 | Docking, Synthesis, Antifungal and Cytotoxic Activities of Some Novel Substituted 4H-Benzoxazin-3-one. <i>Polycyclic Aromatic Compounds</i> , 2021 , 41, 347-367 | 1.3 | 3 |
| 28 | The potential of surface nano-engineering in characteristics of cobalt-based nanoparticles and biointerface interaction with prokaryotic and human cells.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 215, 112485 | 6 | 3 |
| 27 | Recent Advances in Plasma-Engineered Polymers for Biomarker-Based Viral Detection and Highly Multiplexed Analysis. <i>Biosensors</i> , 2022 , 12, 286 | 5.9 | 3 |

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| 26 | Antimicrobial Efficacy and Cytocompatibility of Calcium Hypochlorite Solution as a Root Canal Irrigant: An in Vitro Investigation. <i>Iranian Endodontic Journal</i> , 2016 , 11, 169-74 | | 2 |
| 25 | Evaluation of the Antibacterial and Antifungal Effects of ProRoot MTA and Nano-fast Cement: An In Vitro Study. <i>Journal of Contemporary Dental Practice</i> , 2020 , 21, 760-764 | 0.7 | 2 |
| 24 | Selective Isolation and Identification of Arginine Degrading Bacteria; the Optimized Arginine Deaminase Production by <i>Enterobacter</i> sp. sgn1 as a New Source of This Potentially Anti-Tumor Enzyme. <i>Journal of Applied Pharmaceutical Science</i> , 093-101 | 2 | 2 |
| 23 | Cu(OAc) ₂ as a green promoter for one-pot synthesis of 2-amino-4,6-diarylpyridine-3-carbonitrile as antibacterial agents. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2020 , 34, 149-156 | 1.2 | 2 |
| 22 | Different Laboratory Diagnosis Methods of COVID-19: A Systematic Review. <i>Archives of Clinical Infectious Diseases</i> , 2021 , 16, | 3.1 | 2 |
| 21 | Preparation physical, mechanical properties and biodegradable study of SAN/EOC/nanoclay/proteins nanocomposite. <i>Polymers From Renewable Resources</i> , 2021 , 12, 19-34 | 0.4 | 2 |
| 20 | The Response of Stevia (<i>Stevia rebaudiana</i> Bertoni) Photosystem II Photochemistry to Fungi Symbiosis and Spermidine Application under Saline Water Irrigation. <i>Russian Agricultural Sciences</i> , 2021 , 47, 32-36 | 0.3 | 2 |
| 19 | The Development of an Amperometric Enzyme Biosensor Based on a Polyaniline-Multiwalled Carbon Nanocomposite for the Detection of a Chemotherapeutic Agent in Serum Samples from Patients. <i>Journal of Sensors</i> , 2021 , 2021, 1-9 | 2 | 2 |
| 18 | Ionic liquids as capping agents of silver nanoparticles. Part II: Antimicrobial and cytotoxic study. <i>Green Processing and Synthesis</i> , 2021 , 10, 585-593 | 3.9 | 2 |
| 17 | Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. <i>Pharmaceutics</i> , 2022 , 14, 1054 | 6.4 | 2 |
| 16 | On n-Isoclinic Pairs of Groups. <i>Algebra Colloquium</i> , 2011 , 18, 999-1006 | 0.2 | 1 |
| 15 | Theta-Defensins to Counter COVID-19 as Furin Inhibitors: Efficiency Prediction and Novel Compound Design.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 9735626 | 2.8 | 1 |
| 14 | Production and Immunological Evaluation of Epitope-based Preventative Pneumococcal Candidate Vaccine Comprising Immunodominant Epitopes from PspA, CbpA, PhtD and PiuA Antigens. <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 1900-1909 | 2.6 | 1 |
| 13 | Antimicrobial Efficacy of Intracanal Medicaments against Bacteria in Infected Primary Molars by Using Real-Time PCR: A Randomized Clinical Trial. <i>International Journal of Dentistry</i> , 2020 , 2020, 6669607.9 | 7.9 | 1 |
| 12 | Fabrication and Characterization of a Nanofast Cement for Dental Restorations. <i>BioMed Research International</i> , 2021 , 2021, 7343147 | 3 | 1 |
| 11 | A Novel Effective Formulation of Bioactive Compounds for Wound Healing: Preparation, Characterization, and Comparison of Various Postbiotics Cold Creams in a Rat Model.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021 , 2021, 8577116 | 2.3 | 1 |
| 10 | Recent Progress in Nanobiosensors for Precise Detection of Blood Glucose Level.. <i>Biochemistry Research International</i> , 2022 , 2022, 2964705 | 2.4 | 0 |
| 9 | Cost-Effectiveness Analysis of Biopharmaceuticals for Treating Rheumatoid Arthritis: Infliximab, Adalimumab, and Etanercept. <i>BioMed Research International</i> , 2021 , 2021, 4450162 | 3 | 0 |

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| 8 | Prevention of Postsurgical Abdominal Adhesion Using Electrospun TPU Nanofibers in Rat Model.. <i>BioMed Research International</i> , 2021 , 2021, 9977142 | 3 | 0 |
| 7 | Soft hypergraph for modeling global interactions via social media networks. <i>Expert Systems With Applications</i> , 2022 , 203, 117466 | 7.8 | 0 |
| 6 | The structure of \mathbb{B} sologic pairs of groups. <i>Filomat</i> , 2012 , 26, 67-79 | 0.7 | |
| 5 | Revitalization and preservation of biodiversity. Focus on water bodies in the Cracow region. <i>New Trends in Production Engineering</i> , 2019 , 2, 496-504 | 0.3 | |
| 4 | The effect of different extraction methods on chemical composition profile and pharmacological activities of essential oils and hydrosols. <i>Planta Medica</i> , 2016 , 81, S1-S381 | 3.1 | |
| 3 | Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications 2021 , | | |
| 2 | Evaluation of the Antibacterial and Antifungal Effects of ProRoot MTA and Nano-fast Cement: An Study. <i>Journal of Contemporary Dental Practice</i> , 2020 , 21, 760-764 | 0.7 | |
| 1 | Cytotoxic Effect of Nano Fast Cement and ProRoot Mineral Trioxide Aggregate on L-929 Fibroblast Cells: an Study.. <i>Journal of Dentistry</i> , 2022 , 23, 13-19 | 0.5 | |