

# Ahmad Gholami

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

3,278  
citations

182225

30  
h-index

190340

53  
g-index

113  
all docs

113  
docs citations

113  
times ranked

3903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications. , 2022, , 692-702.		0
2	Recent Progress in Nanobiosensors for Precise Detection of Blood Glucose Level. Biochemistry Research International, 2022, 2022, 1-12.	1.5	11
3	The crucial role of oxidative stress in non-alcoholic fatty liver disease-induced male reproductive toxicity: the ameliorative effects of Iranian indigenous probiotics. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, 395, 247-265.	1.4	23
4	Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications. Biomaterials Research, 2022, 26, 4.	3.2	29
5	Bio-enhanced polyrhodanine/graphene Oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite with kombucha solvent supernatant as ultra-sensitive biosensor for detection of doxorubicin hydrochloride in biological fluids. Materials Chemistry and Physics, 2022, 279, 125743.	2.0	25
6	Bioactive Graphene Quantum Dots Based Polymer Composite for Biomedical Applications. Polymers, 2022, 14, 617.	2.0	61
7	Theta-Defensins to Counter COVID-19 as Furin Inhibitors: In Silico Efficiency Prediction and Novel Compound Design. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-15.	0.7	8
8	PROBIOTIC AND NUTRITIONAL CONTENT OF SOURO, AN IRANIAN TRADITIONAL FOOD. Journal of Microbiology, Biotechnology and Food Sciences, 2022, 11, e2627.	0.4	0
9	The potential of surface nano-engineering in characteristics of cobalt-based nanoparticles and biointerface interaction with prokaryotic and human cells. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112485.	2.5	7
10	Cytotoxic Effect of Nano Fast Cement and ProRoot Mineral Trioxide Aggregate on L-929 Fibroblast Cells: an Study.. Journal of Dentistry, 2022, 23, 13-19.	0.1	3
11	Soft hypergraph for modeling global interactions via social media networks. Expert Systems With Applications, 2022, 203, 117466.	4.4	6
12	Recent Advances in Plasma-Engineered Polymers for Biomarker-Based Viral Detection and Highly Multiplexed Analysis. Biosensors, 2022, 12, 286.	2.3	24
13	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. Pharmaceutics, 2022, 14, 1054.	2.0	16
14	Highly Sensitive Flexible SERS-Based Sensing Platform for Detection of COVID-19. Biosensors, 2022, 12, 466.	2.3	27
15	Recent advances in antiviral effects of probiotics: potential mechanism study in prevention and treatment of SARS-CoV-2. , 2022, 77, 3211-3228.		7
16	Recent Advances in Inflammatory Diagnosis with Graphene Quantum Dots Enhanced SERS Detection. Biosensors, 2022, 12, 461.	2.3	22
17	The Pivotal Role of Quantum Dots-Based Biomarkers Integrated with Ultra-Sensitive Probes for Multiplex Detection of Human Viral Infections. Pharmaceutics, 2022, 15, 880.	1.7	19
18	Docking, Synthesis, Antifungal and Cytotoxic Activities of Some Novel Substituted 4 <i>H</i> -Benzoxazin-3-one. Polycyclic Aromatic Compounds, 2021, 41, 347-367.	1.4	6

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19	Recent biotechnological approaches for treatment of novel COVID-19: from bench to clinical trial. <i>Drug Metabolism Reviews</i> , 2021, 53, 141-170.	1.5	39
20	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.	5.3	102
21	Preparation physical, mechanical properties and biodegradable study of SAN/EOC/nanoclay/proteins nanocomposite. <i>Polymers From Renewable Resources</i> , 2021, 12, 19-34.	0.8	6
22	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.	0.1	3
23	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.	1.5	35
24	Different Laboratory Diagnosis Methods of COVID-19: A Systematic Review. <i>Archives of Clinical Infectious Diseases</i> , 2021, 16, .	0.1	6
25	Exploring the bone sparing effects of postbiotics in the post-menopausal rat model. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 155.	1.2	23
26	Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. <i>Journal of Sensors</i> , 2021, 2021, 1-15.	0.6	9
27	Bioinorganic Synthesis of Polyrhodanine Stabilized Fe <sub>3</sub> O <sub>4</sub> /Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-12.	1.8	31
28	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.	0.8	16
29	Sulfonamide-β-lactam Hybrids Incorporating the Piperazine Moiety as Potential Antiinflammatory Agent with Promising Antibacterial Activity. <i>ChemistrySelect</i> , 2021, 6, 5313-5319.	0.7	11
30	Recent Advances in Enzymes for the Bioremediation of Pollutants. <i>Biochemistry Research International</i> , 2021, 2021, 1-12.	1.5	49
31	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6850.	1.8	31
32	Trends in Natural Nutrients for Oxidative Stress and Cell Senescence. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-7.	1.9	15
33	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.	3.6	56
34	Multifunctional Gold Nanorod for Therapeutic Applications and Pharmaceutical Delivery Considering Cellular Metabolic Responses, Oxidative Stress and Cellular Longevity. <i>Nanomaterials</i> , 2021, 11, 1868.	1.9	19
35	Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. <i>Journal of Sensors</i> , 2021, 2021, 1-14.	0.6	12
36	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.	0.6	8

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37	A Review on Health Benefits of <i>Malva sylvestris</i> L. Nutritional Compounds for Metabolites, Antioxidants, and Anti-Inflammatory, Anticancer, and Antimicrobial Applications. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	0.5	21
38	Bioactive Agent-Loaded Electrospun Nanofiber Membranes for Accelerating Healing Process: A Review. Membranes, 2021, 11, 702.	1.4	44
39	The modulatory potential of herbal antioxidants against oxidative stress and heavy metal pollution: plants against environmental oxidative stress. Environmental Science and Pollution Research, 2021, 28, 61908-61918.	2.7	31
40	Fabrication and Characterization of a Nanofast Cement for Dental Restorations. BioMed Research International, 2021, 2021, 1-12.	0.9	2
41	Ionic liquids as capping agents of silver nanoparticles. Part II: Antimicrobial and cytotoxic study. Green Processing and Synthesis, 2021, 10, 585-593.	1.3	11
42	Renewable Carbon Nanomaterials: Novel Resources for Dental Tissue Engineering. Nanomaterials, 2021, 11, 2800.	1.9	12
43	Cost-Effectiveness Analysis of Biopharmaceuticals for Treating Rheumatoid Arthritis: Infliximab, Adalimumab, and Etanercept. BioMed Research International, 2021, 2021, 1-12.	0.9	11
44	Natural vs. Synthetic Phosphate as Efficient Heterogeneous Compounds for Synthesis of Quinoxalines. International Journal of Molecular Sciences, 2021, 22, 13665.	1.8	3
45	A Novel Effective Formulation of Bioactive Compounds for Wound Healing: Preparation, In Vivo Characterization, and Comparison of Various Postbiotics Cold Creams in a Rat Model. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	0.5	18
46	Prevention of Postsurgical Abdominal Adhesion Using Electrospun TPU Nanofibers in Rat Model. BioMed Research International, 2021, 2021, 1-16.	0.9	4
47	Glycolic acid-supported cobalt ferrite-catalyzed one-pot synthesis of pyrimido[4,5-b]quinoline and indenopyrido[2,3-d]pyrimidine derivatives. Applied Organometallic Chemistry, 2020, 34, e6007.	1.7	13
48	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. Symmetry, 2020, 12, 1100.	1.1	43
49	Cu(OAc) <sub>2</sub> as a green promoter for one-pot synthesis of 2-amino-4,6-diarylpyridine-3-carbonitrile as antibacterial agents. Bulletin of the Chemical Society of Ethiopia, 2020, 34, 149-156.	0.5	4
50	Synthesis, docking and evaluation of in vitro anti-inflammatory activity of novel morpholine capped β-lactam derivatives. Bioorganic Chemistry, 2020, 102, 104091.	2.0	25
51	Recent Progress in Chemical Composition, Production, and Pharmaceutical Effects of Kombucha Beverage: A Complementary and Alternative Medicine. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-14.	0.5	47
52	Functionalization of Graphene Oxide Nanosheets Can Reduce Their Cytotoxicity to Dental Pulp Stem Cells. Journal of Nanomaterials, 2020, 2020, 1-14.	1.5	10
53	Biochemical and Histological Evidence on the Protective Effects of <i>Allium hirtifolium</i> Boiss (Persian Shallot) as an Herbal Supplement in Cadmium-Induced Hepatotoxicity. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-8.	0.5	32
54	Antimicrobial Activity of Isoniazid in Conjugation with Surface-Modified Magnetic Nanoparticles against <i>Mycobacterium tuberculosis</i> and Nonmycobacterial Microorganisms. Journal of Nanomaterials, 2020, 2020, 1-9.	1.5	15

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55	Probiotics ameliorate pioglitazone-associated bone loss in diabetic rats. <i>Diabetology and Metabolic Syndrome</i> , 2020, 12, .	1.2	15
56	3D Nanostructures for Tissue Engineering, Cancer Therapy, and Gene Delivery. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-24.	1.5	45
57	Protective Role of Probiotic Supplements in Hepatic Steatosis: A Rat Model Study. <i>BioMed Research International</i> , 2020, 2020, 1-15.	0.9	31
58	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.	0.6	14
59	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.	3.6	11
60	Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , 2020, 52, 299-318.	1.5	71
61	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.	1.9	38
62	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.	2.0	13
63	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.	1.4	23
64	Recent advances in nanodentistry: a special focus on endodontics. <i>Micro and Nano Letters</i> , 2020, 15, 812-816.	0.6	5
65	Current trends in chemical modifications of magnetic nanoparticles for targeted drug delivery in cancer chemotherapy. <i>Drug Metabolism Reviews</i> , 2020, 52, 205-224.	1.5	46
66	Development and In Vivo Characterization of Probiotic Lysate-Treated Chitosan Nanogel as a Novel Biocompatible Formulation for Wound Healing. <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	41
67	A Comprehensive Insight Towards Pharmaceutical Aspects of Graphene Nanosheets. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 1016-1027.	0.9	18
68	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> , 2020, 22, 1900-1909.	0.9	2
69	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.	0.3	9
70	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.	0.2	3
71	Current Trends in the Detection of Biological Proteins and Immunological Assays using Graphene Quantum Dots. <i>Current Analytical Chemistry</i> , 2020, 17, .	0.6	0
72	Antimicrobial Efficacy of Intracanal Medicaments against E. Faecalis Bacteria in Infected Primary Molars by Using Real-Time PCR: A Randomized Clinical Trial. <i>International Journal of Dentistry</i> , 2020, 2020, 1-6.	0.5	6

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73	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.	0.2	0
74	Supportive Role of Probiotic Strains in Protecting Rats from Ovariectomy-Induced Cortical Bone Loss. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 1145-1154.	1.9	57
75	Synergistic Evaluation of Functionalized Magnetic Nanoparticles and Antibiotics Against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Pharmaceutical Nanotechnology</i> , 2019, 6, 276-286.	0.6	10
76	Computational design of a chimeric epitope-based vaccine to protect against <i>Staphylococcus aureus</i> infections. <i>Molecular and Cellular Probes</i> , 2019, 46, 101414.	0.9	28
77	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3524-3535.	2.0	84
78	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.	0.3	6
79	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	0
80	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.	1.3	32
81	Functionalized Graphene Oxide with Chitosan for Protein Nanocarriers to Protect against Enzymatic Cleavage and Retain Collagenase Activity. <i>Scientific Reports</i> , 2017, 7, 42258.	1.6	113
82	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.	0.8	25
83	Antibiofilm Efficacy of Positively Charged Imidazolium-Based Silver Nanoparticles in <i>Enterococcus faecalis</i> Using Quantitative Real-Time PCR. <i>Jundishapur Journal of Microbiology</i> , 2017, 10, .	0.2	19
84	TiCl <sub>4</sub> /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.	0.4	4
85	Time-dependent antibacterial effects of <i>Aloe vera</i> and <i>Zataria multiflora</i> 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.	1.8	36
86	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.	1.5	29
87	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, 105-113.	0.2	34
88	Antimicrobial and Cytotoxic Activity of <i>Cuminum Cuminum</i> as an Intracanal Medicament Compared to Chlorhexidine Gel. <i>Iranian Endodontic Journal</i> , 2016, 11, 44-50.	0.8	31
89	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.	0.7	0
90	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.	0.8	4

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91	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.	1.5	344
92	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.	1.5	54
93	Antimicrobial and cytotoxic activity of <i>Ferula gummosa</i> plant essential oil compared to NaOCl and CHX: a preliminary <i>in vitro</i> study. <i>Restorative Dentistry &amp; Endodontics</i> , 2015, 40, 50.	0.6	33
94	Cloning, Characterization and Bioinformatics Analysis of Novel Cytosine Deaminase from <i>Escherichia coli</i> AGH09. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 365-374.	0.9	23
95	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.	2.3	76
96	Production of a novel multi-epitope peptide vaccine for cancer immunotherapy in TC-1 tumor-bearing mice. <i>Biologicals</i> , 2015, 43, 11-17.	0.5	50
97	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.	3.3	13
98	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.	0.1	3
99	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.	0.7	4
100	Chemical constituent and antimicrobial effect of essential oil from <i>Myrtus communis</i> leaves on microorganisms involved in persistent endodontic infection compared to two common endodontic irrigants: An <i>in vitro</i> study. <i>Journal of Conservative Dentistry</i> , 2014, 17, 449.	0.3	32
101	The structure of $\Gamma_{1/2}$ -isologic pairs of groups. <i>Filomat</i> , 2012, 26, 67-79.	0.2	0
102	On $n$ -Isoclinic Pairs of Groups. <i>Algebra Colloquium</i> , 2011, 18, 999-1006.	0.1	2
103	Producing the recombinant CTB as a delivery/targeting vehicle. <i>Current Opinion in Biotechnology</i> , 2011, 22, S125-S126.	3.3	1
104	Recent advances in microbial polyhydroxyalkanoates. <i>Process Biochemistry</i> , 2005, 40, 607-619.	1.8	622
105	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> , 0, , 093-101.	0.7	2