

Ahmad Gholami

List of Publications by Year in descending order

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105
papers

3,278
citations

159573

30
h-index

168376

53
g-index

113
all docs

113
docs citations

113
times ranked

3543
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.	3.3	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.	3.0	23
4	Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications. Biomaterials Research, 2022, 26, 4.	6.9	29
5	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. Materials Chemistry and Physics, 2022, 279, 125743.	4.0	25
6	Bioactive Graphene Quantum Dots Based Polymer Composite for Biomedical Applications. Polymers, 2022, 14, 617.	4.5	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.	1.3	8
8	PROBIOTIC AND NUTRITIONAL CONTENT OF SOURO, AN IRANIAN TRADITIONAL FOOD. Journal of Microbiology, Biotechnology and Food Sciences, 2022, 11, e2627.	0.8	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.	5.0	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.	7.6	6
12	Recent Advances in Plasma-Engineered Polymers for Biomarker-Based Viral Detection and Highly Multiplexed Analysis. Biosensors, 2022, 12, 286.	4.7	24
13	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. Pharmaceutics, 2022, 14, 1054.	4.5	16
14	Highly Sensitive Flexible SERS-Based Sensing Platform for Detection of COVID-19. Biosensors, 2022, 12, 466.	4.7	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.	4.7	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.	3.8	19
18	Docking, Synthesis, Antifungal and Cytotoxic Activities of Some Novel Substituted 4<i>i>H</i>/i>-Benzoxazin-3-one. Polycyclic Aromatic Compounds, 2021, 41, 347-367.	2.6	6

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19	Recent biotechnological approaches for treatment of novel COVID-19: from bench to clinical trial. Drug Metabolism Reviews, 2021, 53, 141-170.	3.6	39
20	Ultra-sensitive viral glycoprotein detection NanoSystem toward accurate tracing SARS-CoV-2 in biological/non-biological media. Biosensors and Bioelectronics, 2021, 171, 112731.	10.1	102
21	Preparation physical, mechanical properties and biodegradable study of SAN/EOC/nanoclay/proteins nanocomposite. Polymers From Renewable Resources, 2021, 12, 19-34.	1.3	6
22	The Response of Stevia (Stevia rebaudiana Bertoni) Photosystem II Photochemistry to Fungi Symbiosis and Spermidine Application under Saline Water Irrigation. Russian Agricultural Sciences, 2021, 47, 32-36.	0.2	3
23	Antibacterial Effects of Green-Synthesized Silver Nanoparticles Using Ferula asafoetida against Acinetobacter baumannii Isolated from the Hospital Environment and Assessment of Their Cytotoxicity on the Human Cell Lines. Journal of Nanomaterials, 2021, 2021, 1-12.	2.7	35
24	Different Laboratory Diagnosis Methods of COVID-19: A Systematic Review. Archives of Clinical Infectious Diseases, 2021, 16, .	0.2	6
25	Exploring the bone sparing effects of postbiotics in the post-menopausal rat model. BMC Complementary Medicine and Therapies, 2021, 21, 155.	2.7	23
26	Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. Journal of Sensors, 2021, 2021, 1-15.	1.1	9
27	Bioinorganic Synthesis of Polyrhodanine Stabilized Fe ₃ O ₄ /Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications. Bioinorganic Chemistry and Applications, 2021, 2021, 1-12.	4.1	31
28	Collagen/chitosan-functionalized graphene oxide hydrogel provide a 3D matrix for neural stem/precursor cells survival, adhesion, infiltration and migration. Journal of Bioactive and Compatible Polymers, 2021, 36, 296-313.	2.1	16
29	Sulfonamide- β -lactam Hybrids Incorporating the Piperazine Moiety as Potential Antiinflammatory Agent with Promising Antibacterial Activity. ChemistrySelect, 2021, 6, 5313-5319.	1.5	11
30	Recent Advances in Enzymes for the Bioremediation of Pollutants. Biochemistry Research International, 2021, 2021, 1-12.	3.3	49
31	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. International Journal of Molecular Sciences, 2021, 22, 6850.	4.1	31
32	Trends in Natural Nutrients for Oxidative Stress and Cell Senescence. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-7.	4.0	15
33	Virosome-based nanovaccines; a promising bioinspiration and biomimetic approach for preventing viral diseases: A review. International Journal of Biological Macromolecules, 2021, 182, 648-658.	7.5	56
34	Multifunctional Gold Nanorod for Therapeutic Applications and Pharmaceutical Delivery Considering Cellular Metabolic Responses, Oxidative Stress and Cellular Longevity. Nanomaterials, 2021, 11, 1868.	4.1	19
35	Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. Journal of Sensors, 2021, 2021, 1-14.	1.1	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. Journal of Sensors, 2021, 2021, 1-9.	1.1	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.	1.2	21
38	Bioactive Agent-Loaded Electrospun Nanofiber Membranes for Accelerating Healing Process: A Review. Membranes, 2021, 11, 702.	3.0	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.	5.3	31
40	Fabrication and Characterization of a Nanofast Cement for Dental Restorations. BioMed Research International, 2021, 2021, 1-12.	1.9	2
41	Ionic liquids as capping agents of silver nanoparticles. Part II: Antimicrobial and cytotoxic study. Green Processing and Synthesis, 2021, 10, 585-593.	3.4	11
42	Renewable Carbon Nanomaterials: Novel Resources for Dental Tissue Engineering. Nanomaterials, 2021, 11, 2800.	4.1	12
43	Cost-Effectiveness Analysis of Biopharmaceuticals for Treating Rheumatoid Arthritis: Infliximab, Adalimumab, and Etanercept. BioMed Research International, 2021, 2021, 1-12.	1.9	11
44	Natural vs. Synthetic Phosphate as Efficient Heterogeneous Compounds for Synthesis of Quinoxalines. International Journal of Molecular Sciences, 2021, 22, 13665.	4.1	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.	1.2	18
46	Prevention of Postsurgical Abdominal Adhesion Using Electrospun TPU Nanofibers in Rat Model. BioMed Research International, 2021, 2021, 1-16.	1.9	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.	3.5	13
48	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. Symmetry, 2020, 12, 1100.	2.2	43
49	Cu(OAc) ₂ 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.	1.1	4
50	Synthesis, docking and evaluation of in vitro anti-inflammatory activity of novel morpholine capped β -lactam derivatives. Bioorganic Chemistry, 2020, 102, 104091.	4.1	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.	1.2	47
52	Functionalization of Graphene Oxide Nanosheets Can Reduce Their Cytotoxicity to Dental Pulp Stem Cells. Journal of Nanomaterials, 2020, 2020, 1-14.	2.7	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.	1.2	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.	2.7	15

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55	Probiotics ameliorate pioglitazone-associated bone loss in diabetic rats. <i>Diabetology and Metabolic Syndrome</i> , 2020, 12, .	2.7	15
56	3D Nanostructures for Tissue Engineering, Cancer Therapy, and Gene Delivery. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-24.	2.7	45
57	Protective Role of Probiotic Supplements in Hepatic Steatosis: A Rat Model Study. <i>BioMed Research International</i> , 2020, 2020, 1-15.	1.9	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.	1.2	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.	7.5	11
60	Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , 2020, 52, 299-318.	3.6	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.	3.8	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.	3.7	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.	3.0	23
64	Recent advances in nanodentistry: a special focus on endodontics. <i>Micro and Nano Letters</i> , 2020, 15, 812-816.	1.3	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.	3.6	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.	1.9	41
67	A Comprehensive Insight Towards Pharmaceutical Aspects of Graphene Nanosheets. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 1016-1027.	1.6	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.	1.6	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.	0.7	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.	0.5	3
71	Current Trends in the Detection of Biological Proteins and Immunological Assays using Graphene Quantum Dots. <i>Current Analytical Chemistry</i> , 2020, 17, .	1.2	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.	1.5	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.	0.5	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.	3.9	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.	1.5	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.	2.1	28
77	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3524-3535.	3.5	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.	0.7	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.	2.5	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.	3.3	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, .	0.5	19
84	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.	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.	2.9	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.	0.5	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.	1.3	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. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	344
92	Lipoamino Acid Coated Superparamagnetic Iron Oxide Nanoparticles Concentration and Time Dependently Enhanced Growth of Human Hepatocarcinoma Cell Line (Hep-G2). Journal of Nanomaterials, 2015, 2015, 1-9.	2.7	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. Restorative Dentistry & Endodontics, 2015, 40, 50.	1.5	33
94	Cloning, Characterization and Bioinformatics Analysis of Novel Cytosine Deaminase from Escherichia coli AGH09. International Journal of Peptide Research and Therapeutics, 2015, 21, 365-374.	1.9	23
95	Positively charged imidazolium-based ionic liquid-protected silver nanoparticles: a promising disinfectant in root canal treatment. International Endodontic Journal, 2015, 48, 790-800.	5.0	76
96	Production of a novel multi-epitope peptide vaccine for cancer immunotherapy in TC-1 tumor-bearing mice. Biologicals, 2015, 43, 11-17.	1.4	50
97	A new approach to eliminating of chaotic ferroresonant oscillations in power transformer. International Journal of Electrical Power and Energy Systems, 2015, 67, 152-160.	5.5	13
98	Antibacterial and Toxic Effect of Hydrogen Peroxide Combined with Different Concentrations of Chlorhexidine in Comparison with Sodium Hypochlorite. Journal of Dentistry, 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. Chinese Physics B, 2014, 23, 018201.	1.4	4
100	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 <i>in vitro</i> study. Journal of Conservative Dentistry, 2014, 17, 449.	0.9	32
101	The structure of $\hat{1}/2$ -isologic pairs of groups. Filomat, 2012, 26, 67-79.	0.5	0
102	On n-Isoclinic Pairs of Groups. Algebra Colloquium, 2011, 18, 999-1006.	0.2	2
103	Producing the recombinant CTB as a delivery/targeting vehicle. Current Opinion in Biotechnology, 2011, 22, S125-S126.	6.6	1
104	Recent advances in microbial polyhydroxyalkanoates. Process Biochemistry, 2005, 40, 607-619.	3.7	622
105	Selective Isolation and Identification of Arginine Degrading Bacteria; the Optimized Arginine Deaminase Production by Enterobacter sp. sgn1 as a New Source of This Potentially Anti-Tumor Enzyme. Journal of Applied Pharmaceutical Science, 0, , 093-101.	1.0	2