

Mehdi Shafiee Ardestani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

944
citations

19
h-index

27
g-index

88
ext. papers

1,172
ext. citations

3.5
avg, IF

4.49
L-index

#	Paper	IF	Citations
80	Conjugation of VEGFR1/R2-targeting peptide with gold nanoparticles to enhance antiangiogenic and antitumoral activity.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 7	9.4	0
79	Adjuvant Effects of Flagellin on the Immunological Patterns of the HIV-1 Vaccine Candidate: Vaccine Formulations Versus Different Routes of Immunization.. <i>Viral Immunology</i> , 2022 , 35, 150-158	1.7	
78	Synthesis and Characterization of New Magnetofluorescent Silicon Dot for Theranostic Application. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-10	3.2	
77	Amino-modified-silica-coated gadolinium-copper nanoclusters, conjugated to AS1411 aptamer and radiolabeled with technetium-99m as a novel multimodal imaging agent.. <i>Bioorganic Chemistry</i> , 2022 , 125, 105827	5.1	0
76	CD133-Functionalized Gold Nanoparticles as a Carrier Platform for Telaglenastat (CB-839) against Tumor Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5479	6.3	4
75	18F-FDG MicroPET and MRI Targeting Breast Cancer Mouse Model with Designed Synthesis Nanoparticles. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-9	3.2	
74	Synthesis of New 3-Arylcoumarins Bearing -Benzyl Triazole Moiety: Dual Lipoxygenase and Butyrylcholinesterase Inhibitors With Anti-Amyloid Aggregation and Neuroprotective Properties Against Alzheimer's Disease.. <i>Frontiers in Chemistry</i> , 2021 , 9, 810233	5	2
73	Production of an Antibody Fragment (scFv) Targeting PcrV Protein of Pseudomonas aeruginosa in Fed-Batch Cultivation Mode. <i>Iranian Biomedical Journal</i> , 2021 , 25, 390-8	2	
72	Prophylactic and Therapeutic Effects of MOG-Conjugated PLGA Nanoparticles in C57Bl/6 Mouse Model of Multiple Sclerosis. <i>Advanced Pharmaceutical Bulletin</i> , 2021 , 11, 505-513	4.5	3
71	Lamivudine-conjugated and efavirenz-loaded G2 dendrimers: Novel anti-retroviral nano drug delivery systems. <i>IET Nanobiotechnology</i> , 2021 , 15, 627-637	2	1
70	Novel G-CSF conjugated anionic globular dendrimer: Preparation and biological activity assessment. <i>Pharmacology Research and Perspectives</i> , 2021 , 9, e00826	3.1	
69	Novel (thio)barbituric-phenoxy-N-phenylacetamide derivatives as potent urease inhibitors: synthesis, in vitro urease inhibition, and in silico evaluations. <i>Structural Chemistry</i> , 2021 , 32, 37-48	1.8	7
68	A Review Study of Dendrimer Nanoparticles Influences on Stored Platelet in Order to Treat Patients (2001-2020). <i>Current Nanoscience</i> , 2021 , 17,	1.4	1
67	Antiplasmodial Effect of Nano Dendrimer G2 Loaded with Chloroquine in Mice Infected with Plasmodium berghei. <i>Acta Parasitologica</i> , 2021 , 1	1.7	0
66	Chlorambucil-Chitosan Nano-Conjugate: An Efficient Agent Against Breast Cancer Targeted Therapy. <i>Current Drug Delivery</i> , 2021 , 18, 721-728	3.2	4
65	Novel manganese carbon quantum dots as a nano-probe: Facile synthesis, characterization and their application in naproxen delivery (Mn/CQD/SiO@naproxen). <i>Bioorganic Chemistry</i> , 2021 , 115, 105211	5.1	1
64	Technetium-99m-PEGylated dendrimer-G-(Dabcyle-Lys,Phe)-pHBSP: A novel Nano-Radiotracer for molecular and early detecting of cardiac ischemic region. <i>Bioorganic Chemistry</i> , 2020 , 98, 103731	5.1	3

63	Synthesis and labeling of p-NH ₂ -Bn-DTPA-(DabcyL-Lys6,Phe7)-pHBSP with ^{99m} Tc as a radiopeptide scintigraphic agent to detect cardiac ischemia. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 324, 635-646	1.5	
62	Novel chloroquine loaded curcumin based anionic linear globular dendrimer G2: a metabolomics study on using H NMR spectroscopy. <i>Parasitology</i> , 2020 , 147, 747-759	2.7	14
61	PEGylation of graphene/iron oxide nanocomposite: assessment of release of doxorubicin, magnetically targeted drug delivery and photothermal therapy. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 1205-1217	3.3	7
60	PLGA-methionine labeled BODIPY nano-conjugate for in-vivo optical tumor imaging. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 1441-1452	3.3	3
59	-acetylcysteine-PLGA nano-conjugate: effects on cellular toxicity and uptake of gadopentate dimeglumine. <i>IET Nanobiotechnology</i> , 2020 , 14, 470-478	2	2
58	Synthesis and characterization of novel Tc-DGC nano-complexes for improvement of heart diagnostic. <i>Bioorganic Chemistry</i> , 2020 , 96, 103572	5.1	30
57	The Use of Carbon Quantum Dot as Alternative of Stannous Chloride Application in Radiopharmaceutical Kits. <i>Contrast Media and Molecular Imaging</i> , 2020 , 2020, 1-11	3.2	1
56	Application of radiolabeled peptides in tumor imaging and therapy. <i>Life Sciences</i> , 2020 , 258, 118206	6.8	8
55	Novel radiopharmaceutical (Technetium-99m)-(DOTA-NHS-ester)-Methionine as a SPECT-CT tumor imaging agent. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 141, 105112	5.1	5
54	Novel delivery based anionic linear globular dendrimer G2-zidovudine nano-conjugate significantly decreased retroviral activity. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020 , 33, 705-714	0.4	1
53	Synthesis and evaluation of a novel nanosized anionic linear globular dendrimer G2-ciprofloxacin conjugate against prostate cancer. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020 , 33, 2589-2594	0.4	
52	Novel nanosized AS1411-chitosan-BODIPY conjugate for molecular fluorescent imaging. <i>International Journal of Nanomedicine</i> , 2019 , 14, 3543-3555	7.3	7
51	Induction of immune responses by protein vaccines formulated with adjuvants against Leishmania major in vivo. <i>Comparative Clinical Pathology</i> , 2019 , 28, 1609-1615	0.9	
50	Exotoxin A-PLGA nanoconjugate vaccine against Pseudomonas aeruginosa infection: protectivity in murine model. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 94	4.4	11
49	Novel trastuzumab-DM1 conjugate: Synthesis and bio-evaluation. <i>Journal of Cellular Physiology</i> , 2019 , 234, 18206-18213	7	2
48	Comparative analysis between four model nanoformulations of amphotericin B-chitosan, amphotericin B-dendrimer, betulinic acid-chitosan and betulinic acid-dendrimer for treatment of : real-time PCR assay plus. <i>International Journal of Nanomedicine</i> , 2019 , 14, 7593-7607	7.3	22
47	Preparation of a nanovaccine against M16 based on PLGA nanoparticles and oligopolysaccharide antigen. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 4248-4256	6.1	6
46	Synthesis and Biological Evaluation of a Novel Glucosylated Derivative of Gadolinium Diethylenetriaminepentaacetic Acid for Tumor Magnetic Resonance Imaging. <i>Iranian Journal of Pharmaceutical Research</i> , 2019 , 18, 49-60	1.1	2

45	G2 Dendrimer as a Carrier Can Enhance Immune Responses Against HCV-NS3 Protein in BALB/c Mice. <i>Avicenna Journal of Medical Biotechnology</i> , 2019 , 11, 292-298	1.4	2
44	Bioactive Salen-type Schiff Base Transition Metal Complexes as Possible Anticancer Agents. <i>Iranian Journal of Pharmaceutical Research</i> , 2019 , 18, 2055-2066	1.1	1
43	MALDI-MS: a Rapid and Reliable Method for Drug-to-Antibody Ratio Determination of Antibody-Drug Conjugates. <i>Iranian Biomedical Journal</i> , 2019 , 23, 395-403	2	1
42	Comparison of polystyrene versus cycloolefin microplates in absorbance measurements in the UV/VIS region of the spectrum. <i>Journal of Shahrekord University of Medical Sciences</i> , 2019 , 21, 110-113	0.2	3
41	Investigation Of Reducing Omniscan Toxicity Using Intracellular And Targeted N-Acetylcysteine Lysine Complex. <i>Letters in Drug Design and Discovery</i> , 2019 , 16, 1006-1019	0.8	
40	PEG-Citrate dendrimer second generation: is this a good carrier for imaging agents and ?. <i>IET Nanobiotechnology</i> , 2019 , 13, 560-564	2	22
39	A comprehensive review on the treatment approaches of multiple sclerosis: currently and in the future. <i>Inflammation Research</i> , 2019 , 68, 25-38	7.2	52
38	Inherent anti-HIV activity of biocompatible anionic citrate-PEG-citrate dendrimer. <i>Molecular Biology Reports</i> , 2019 , 46, 143-149	2.8	9
37	Evaluation of G2 Citric Acid-Based Dendrimer as an Adjuvant in Veterinary Rabies Vaccine. <i>Viral Immunology</i> , 2018 , 31, 47-54	1.7	26
36	Synthesis of nano-niosomal deferoxamine and evaluation of its functional characteristics to apply as an iron-chelating agent. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 107-112	2.3	5
35	Pressure responsive nanogel base on Alginate-Cyclodextrin with enhanced apoptosis mechanism for colon cancer delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 349-359	5.4	34
34	Reduction toxicity of Amphotericin B through loading into a novel nanoformulation of anionic linear globular dendrimer for improve treatment of leishmania major. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 125	4.5	16
33	Induction of Immune Responses by DNA Vaccines Formulated with Dendrimer and Poly (Methyl Methacrylate) (PMMA) Nano-Adjuvants in BALB/c Mice Infected with. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2018 , 6, 229-236	1	11
32	Novel Nanosized Chitosan-Betulinic Acid Against Resistant Leishmania Major and First Clinical Observation of such parasite in Kidney. <i>Scientific Reports</i> , 2018 , 8, 11759	4.9	20
31	Enhancement Antimicrobial Activity of Clarithromycin by Amine Functionalized Mesoporous Silica Nanoparticles as Drug Delivery System. <i>Letters in Drug Design and Discovery</i> , 2018 , 15, 787-795	0.8	6
30	Novel nano-sized chitosan amphotericin B formulation with considerable improvement against Leishmania major. <i>Nanomedicine</i> , 2018 , 13, 3129-3147	5.6	15
29	Technetium-99m chelator-free radiolabeling of specific glutamine tumor imaging nanoprobe: in vitro and in vivo evaluations. <i>International Journal of Nanomedicine</i> , 2018 , 13, 4671-4683	7.3	21
28	Novel imatinib-loaded silver nanoparticles for enhanced apoptosis of human breast cancer MCF-7 cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1-10	6.1	47

27	Conjugated anionic PEG-citrate G2 dendrimer with multi-epitopic HIV-1 vaccine candidate enhance the cellular immune responses in mice. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1762-1768	6.1	14
26	Co-utilization of a TLR5 agonist and nano-formulation of HIV-1 vaccine candidate leads to increased vaccine immunogenicity and decreased immunogenic dose: A preliminary study. <i>Immunology Letters</i> , 2017 , 187, 19-26	4.1	21
25	Novel ^{99m} Tc-Radiolabeled Anionic Linear Globular PEG-Based Dendrimer-Chlorambucil: Non-Invasive Method for In-Vivo Biodistribution. <i>Drug Research</i> , 2017 , 67, 149-155	1.8	10
24	Gd-Asparagine-Anionic Linear Globular Dendrimer Second-Generation G2 Complexes: Novel Nanobiohybrid Theranostics. <i>Contrast Media and Molecular Imaging</i> , 2017 , 2017, 3625729	3.2	17
23	Dispersion of magnetic graphene oxide nanoparticles coated with a deep eutectic solvent using ultrasound assistance for preconcentration of methadone in biological and water samples followed by GC-FID and GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 6113-6121	4.4	40
22	AS1411 Aptamer-Anionic Linear Globular Dendrimer G2-Iohexol Selective Nano-Theranostics. <i>Scientific Reports</i> , 2017 , 7, 11832	4.9	44
21	Smart bomb AS1411 aptamer-functionalized/PAMAM dendrimer nanocarriers for targeted drug delivery in the treatment of gastric cancer. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017 , 44, 41-51	3	39
20	Intravenous Injection of Myelin Oligodendrocyte Glycoprotein-coated PLGA Microparticles Have Tolerogenic Effects in Experimental Autoimmune Encephalomyelitis. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , 2017 , 16, 271-281	1.1	5
19	Conjugated Alpha-Alumina nanoparticle with vasoactive intestinal peptide as a Nano-drug in treatment of allergic asthma in mice. <i>European Journal of Pharmacology</i> , 2016 , 791, 811-820	5.3	40
18	Crystal structures and in vitro anticancer studies on new unsymmetrical copper(II) Schiff base complexes derived from meso-1,2-diphenyl-1,2-ethylenediamine: a comparison with related symmetrical ones. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 2469-2481	1.6	12
17	Novel chlorambucil-conjugated anionic linear-globular PEG-based second-generation dendrimer: in vitro/in vivo improved anticancer activity. <i>OncoTargets and Therapy</i> , 2016 , 9, 5531-43	4.4	20
16	Computational and nonglycosylated systems: a simpler approach for development of nanosized PEGylated proteins. <i>Drug Design, Development and Therapy</i> , 2016 , 10, 1193-200	4.4	4
15	Phytosynthesis of silver nanoparticles using Artemisia marschalliana Sprengel aerial part extract and assessment of their antioxidant, anticancer, and antibacterial properties. <i>International Journal of Nanomedicine</i> , 2016 , 11, 1835-46	7.3	56
14	In Vitro Evaluation of Gd(3+)-Anionic Linear Globular Dendrimer-Monoclonal Antibody: Potential Magnetic Resonance Imaging Contrast Agents for Prostate Cancer Cell Imaging. <i>Molecular Imaging and Biology</i> , 2015 , 17, 770-6	3.8	7
13	Nanosilver based anionic linear globular dendrimer with a special significant antiretroviral activity. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 179	4.5	22
12	New salen-type manganese(III) Schiff base complexes derived from meso-1,2-diphenyl-1,2-ethylenediamine: In vitro anticancer activity, mechanism of action, and molecular docking studies. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 1500-1513	1.6	12
11	In Vitro and In Vivo Enhancement of Antitumoral Activity of Liposomal Antisense Oligonucleotides by Cineole as a Chemical Penetration Enhancer. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-10	3.2	2
10	Synthesis and characterization of a novel chemically designed (Globo)3-DTPA-KLH antigen. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 217-39	4.4	

9	Pseudomonas aeruginosa flagellin as an adjuvant: superiority of a conjugated form of flagellin versus a mixture with a human immunodeficiency virus type 1 vaccine candidate in the induction of immune responses. <i>Journal of Medical Microbiology</i> , 2015 , 64, 1361-1368	3.2	14
8	Cellular uptake, imaging and pathotoxicological studies of a novel Gd[III]D03A-butrol nano-formulation. <i>RSC Advances</i> , 2014 , 4, 45984-45994	3.7	6
7	Cytotoxic Effect of Immunotoxin Containing The Truncated Form of Pseudomonas Exotoxin A and Anti-VEGFR2 on HUVEC and MCF-7 Cell Lines. <i>Cell Journal</i> , 2014 , 16, 203-10	2.4	4
6	Induction of Strong and Specific Humoral and T-helper 1 Cellular Responses by HBsAg Entrapped in the Methanobrevibacter smithii Archaeosomes. <i>Avicenna Journal of Medical Biotechnology</i> , 2014 , 6, 238-45	1.4	1
5	Gd(3+)-DTPA-Meglumine-Anionic Linear Globular Dendrimer G1: Novel Nanosized Low Toxic Tumor Molecular MR Imaging Agent. <i>ISRN Pharmaceutics</i> , 2013 , 2013, 378452		8
4	Anionic linear-globular dendrimer-cis-platinum (II) conjugates promote cytotoxicity in vitro against different cancer cell lines. <i>International Journal of Nanomedicine</i> , 2010 , 5, 63-75	7.3	55
3	Anionic linear-globular dendrimers: biocompatible hybrid materials with potential uses in nanomedicine. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 1121-33	4.5	35
2	Novel and facile methods for the synthesis of DTPA-mono-amide: a new completely revised strategy in radiopharmaceutical chemistry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010 , 283, 447-455	1.5	14
1	A Modified PEG-Fe3O4 Magnetic Nanoparticles Conjugated with D(+)Glucosamine (DG): MRI Contrast Agent. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1	3.2	