Mehdi Shafiee Ardestani

List of Publications by Year
in descending order

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85	1,464	331642	377849
papers	citations	21 h-index	34 g-index

88	88	88	2011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive review on the treatment approaches of multiple sclerosis: currently and in the future. Inflammation Research, 2019, 68, 25-38.	4.0	104
2	Phytosynthesis of silver nanoparticles using Artemisia marschalliana Sprengel aerial part extract and assessment of their antioxidant, anticancer, and antibacterial properties. International Journal of Nanomedicine, 2016, 11, 1835.	6.7	83
3	Anionic linear-globular dendrimer-cis-platinum (II) conjugates promote cytotoxicity in vitro against different cancer cell lines. International Journal of Nanomedicine, 2010, 5, 63.	6.7	66
4	Novel imatinib-loaded silver nanoparticles for enhanced apoptosis of human breast cancer MCF-7 cells. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1082-1091.	2.8	64
5	Pressure responsive nanogel base on Alginateâ€Cyclodextrin with enhanced apoptosis mechanism for colon cancer delivery. Journal of Biomedical Materials Research - Part A, 2018, 106, 349-359.	4.0	57
6	Conjugated Alpha-Alumina nanoparticle with vasoactive intestinal peptide as a Nano-drug in treatment of allergic asthma in mice. European Journal of Pharmacology, 2016, 791, 811-820.	3.5	56
7	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 GCâ€“FID and GCâ€“MS. Analytical and Bioanalytical Chemistry, 2017, 409, 6113-6121.	3.7	52
8	AS1411 Aptamer-Anionic Linear Globular Dendrimer G2-Iohexol Selective Nano-Theranostics. Scientific Reports, 2017, 7, 11832.	3.3	52
9	Smart bomb <scp>AS</scp>1411 aptamerâ€functionalized/<scp>PAMAM</scp> dendrimer nanocarriers for targeted drug delivery in the treatment of gastric cancer. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 41-51.	1.9	48
10	Anionic linear-globular dendrimers: biocompatible hybrid materials with potential uses in nanomedicine. Journal of Materials Science: Materials in Medicine, 2010, 21, 1121-1133.	3.6	44
11	Synthesis and characterization of novel 99mTc-DGC nano-complexes for improvement of heart diagnostic. Bioorganic Chemistry, 2020, 96, 103572.	4.1	41
12	PEGâ€Citrate dendrimer second generation: is this a good carrier for imaging agents In Vitro and In Vivo ?. IET Nanobiotechnology, 2019, 13, 560-564.	3.8	38
13	Comparative analysis between four model nanoformulations of amphotericin B-chitosan, amphotericin B-dendrimer, betulinic acid-chitosan and betulinic acid-dendrimer for treatment of Leishmania major: real-time PCR assay plus . International Journal of Nanomedicine, 2019, Volume 14, 7593-7607.	6.7	35
14	Evaluation of G2 Citric Acid-Based Dendrimer as an Adjuvant in Veterinary Rabies Vaccine. Viral Immunology, 2018, 31, 47-54.	1.3	32
15	Novel Nanosized Chitosan-Betulinic Acid Against Resistant Leishmania Major and First Clinical Observation of such parasite in Kidney. Scientific Reports, 2018, 8, 11759.	3.3	30
16	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. Immunology Letters, 2017, 187, 19-26.	2.5	27
17	Technetium-99m chelator-free radiolabeling of specific glutamine tumor imaging nanoprobe: in vitro and in vivo evaluations. International Journal of Nanomedicine, 2018, Volume 13, 4671-4683.	6.7	27
18	Nanosilver based anionic linear globular dendrimer with a special significant antiretroviral activity. Journal of Materials Science: Materials in Medicine, 2015, 26, 179.	3.6	26

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19	Novel nano-sized chitosan amphotericin B formulation with considerable improvement against Leishmania major. Nanomedicine, 2018, 13, 3129-3147.	3.3	26
20	Reduction toxicity of Amphotericin B through loading into a novel nanoformulation of anionic linear globular dendrimer for improve treatment of leishmania major. Journal of Materials Science: Materials in Medicine, 2018, 29, 125.	3.6	26
21	Gd³⁺-Asparagine-Anionic Linear Globular Dendrimer Second-Generation G2 Complexes: Novel Nanobiohybrid Theranostics. Contrast Media and Molecular Imaging, 2017, 2017, 1-19.	0.8	23
22	PEGylation of graphene/iron oxide nanocomposite: assessment of release of doxorubicin, magnetically targeted drug delivery and photothermal therapy. Applied Nanoscience (Switzerland), 2020, 10, 1205-1217.	3.1	22
23	Novel chlorambucil-conjugated anionic linear-globular PEG-based second-generation dendrimer: in vitro/in vivo improved anticancer activity. OncoTargets and Therapy, 2016, Volume 9, 5531-5543.	2.0	21
24	Exotoxin A-PLGA nanoconjugate vaccine against Pseudomonas aeruginosa infection: protectivity in murine model. World Journal of Microbiology and Biotechnology, 2019, 35, 94.	3.6	21
25	Application of radiolabeled peptides in tumor imaging and therapy. Life Sciences, 2020, 258, 118206.	4.3	21
26	CD133-Functionalized Gold Nanoparticles as a Carrier Platform for Telaglenastat (CB-839) against Tumor Stem Cells. International Journal of Molecular Sciences, 2022, 23, 5479.	4.1	21
27	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. Journal of Coordination Chemistry, 2015, 68, 1500-1513.	2.2	20
28	Novel chloroquine loaded curcumin based anionic linear globular dendrimer G2: a metabolomics study on Plasmodium falciparum in vitro using ¹H NMR spectroscopy. Parasitology, 2020, 147, 747-759.	1.5	20
29	Novel and facile methods for the synthesis of DTPA-mono-amide: a new completely revised strategy in radiopharmaceutical chemistry. Journal of Radioanalytical and Nuclear Chemistry, 2010, 283, 447-455.	1.5	19
30	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. Journal of Coordination Chemistry, 2016, 69, 2469-2481.	2.2	19
31	Novel (thio)barbituric-phenoxy-N-phenylacetamide derivatives as potent urease inhibitors: synthesis, in vitro urease inhibition, and in silico evaluations. Structural Chemistry, 2021, 32, 37-48.	2.0	19
32	Inherent anti-HIV activity of biocompatible anionic citrate-PEG-citrate dendrimer. Molecular Biology Reports, 2019, 46, 143-149.	2.3	17
33	Induction of Immune Responses by DNA Vaccines Formulated with Dendrimer and Poly (Methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Macedonian Journal of Medical Sciences, 2018, 6, 229-236.	0.2	16
34	Conjugation of VEGFR1/R2-targeting peptide with gold nanoparticles to enhance antiangiogenic and antitumoral activity. Journal of Nanobiotechnology, 2022, 20, 7.	9.1	16
35	Preparation of a nanovaccine against Brucella melitensis M16 based on PLGA nanoparticles and oligopolysaccharide antigen. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 4248-4256.	2.8	15
36	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. Journal of Medical Microbiology, 2015, 64, 1361-1368.	1.8	15

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37	Conjugated anionic PEG-citrate G2 dendrimer with multi-epitopic HIV-1 vaccine candidate enhance the cellular immune responses in mice. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1762-1768.	2.8	14
38	Novel 99mTc-Radiolabeled Anionic Linear Globular PEG-Based Dendrimer-Chlorambucil: Non-Invasive Method for In-Vivo Biodistribution. Drug Research, 2017, 67, 149-155.	1.7	14
39	Enhancement Antimicrobial Activity of Clarithromycin by Amine Functionalized Mesoporous Silica Nanoparticles as Drug Delivery System. Letters in Drug Design and Discovery, 2018, 15, 787-795.	0.7	14
40	Novel manganese carbon quantum dots as a nano-probe: Facile synthesis, characterization and their application in naproxen delivery (Mn/CQD/SiO2@naproxen). Bioorganic Chemistry, 2021, 115, 105211.	4.1	13
41	Novel nanosized AS1411â€“chitosanâ€“BODIPY conjugate for molecular fluorescent imaging . International Journal of Nanomedicine, 2019, Volume 14, 3543-3555.	6.7	11
42	Amino-modified-silica-coated gadolinium-copper nanoclusters, conjugated to AS1411 aptamer and radiolabeled with technetium-99Âm as a novel multimodal imaging agent. Bioorganic Chemistry, 2022, 125, 105827.	4.1	11
43	Novel radiopharmaceutical (Technetium-99m)-(DOTA-NHS-ester)-Methionine as a SPECT-CT tumor imaging agent. European Journal of Pharmaceutical Sciences, 2020, 141, 105112.	4.0	10
44	Gd3+-DTPA-Meglumine-Anionic Linear Globular Dendrimer G1: Novel Nanosized Low Toxic Tumor Molecular MR Imaging Agent. ISRN Pharmaceutics, 2013, 2013, 1-14.	1.0	9
45	Prophylactic and Therapeutic Effects of MOG-Conjugated PLGA Nanoparticles in C57Bl/6 Mouse Model of Multiple Sclerosis. Advanced Pharmaceutical Bulletin, 2021, 11, 505-513.	1.4	9
46	Synthesis of nanoâ€niosomal deferoxamine and evaluation of its functional characteristics to apply as an ironâ€chelating agent. Canadian Journal of Chemical Engineering, 2018, 96, 107-112.	1.7	8
47	Cellular uptake, imaging and pathotoxicological studies of a novel Gd[<scp>iii</scp>]â€“DO3A-butrol nano-formulation. RSC Advances, 2014, 4, 45984-45994.	3.6	7
48	In Vitro Evaluation of Gd3+-Anionic Linear Globular Dendrimer-Monoclonal Antibody: Potential Magnetic Resonance Imaging Contrast Agents for Prostate Cancer Cell Imaging. Molecular Imaging and Biology, 2015, 17, 770-776.	2.6	7
49	Lamivudineâ€conjugated and efavirenzâ€loaded G2 dendrimers: Novel antiâ€retroviral nano drug delivery systems. IET Nanobiotechnology, 2021, 15, 627-637.	3.8	7
50	A review study about the effect of chitosan nanocarrier on improving the efficacy of amphotericin B in the treatment of leishmania from 2010 to 2020. Current Drug Delivery, 2021, 18, .	1.6	6
51	Antiplasmodial Effect of Nano Dendrimer G2 Loaded with Chloroquine in Mice Infected with Plasmodium berghei. Acta Parasitologica, 2022, 67, 298-308.	1.1	6
52	Chlorambucil-Chitosan Nano-Conjugate: An Efficient Agent Against Breast Cancer Targeted Therapy. Current Drug Delivery, 2021, 18, 721-728.	1.6	6
53	Cytotoxic Effect of Immunotoxin Containing The Truncated Form of Pseudomonas Exotoxin A and Anti-VEGFR2 on HUVEC and MCF-7 Cell Lines. Cell Journal, 2014, 16, 203-10.	0.2	5
54	Synthesis of New 3-Arylcoumarins Bearing N-Benzyl Triazole Moiety: Dual Lipoxygenase and Butyrylcholinesterase Inhibitors With Anti-Amyloid Aggregation and Neuroprotective Properties Against Alzheimerâ€™s Disease. Frontiers in Chemistry, 2021, 9, 810233.	3.6	5

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55	Intravenous Injection of Myelin Oligodendrocyte Glycoprotein-coated PLGA Microparticles Have Tolerogenic Effects in Experimental Autoimmune Encephalomyelitis. Iranian Journal of Allergy, Asthma and Immunology, 2017, 16, 271-281.	0.4	5
56	In Vitro and In Vivo Enhancement of Antitumoral Activity of Liposomal Antisense Oligonucleotides by Cineole as a Chemical Penetration Enhancer. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	4
57	Computational and nonglycosylated systems: a simpler approach for development of nanosized PEGylated proteins. Drug Design, Development and Therapy, 2016, 10, 1193.	4.3	4
58	Novel trastuzumabâ€DM1 conjugate: Synthesis and bioâ€evaluation. Journal of Cellular Physiology, 2019, 234, 18206-18213.	4.1	4
59	Technetium-99Âm-PEGylated dendrimer-G2-(Dabcyle-Lys6,Phe7)-pHBSP: A novel Nano-Radiotracer for molecular and early detecting of cardiac ischemic region. Bioorganic Chemistry, 2020, 98, 103731.	4.1	4
60	PLGA-methionine labeled BODIPY nano-conjugate for in-vivo optical tumor imaging. Applied Nanoscience (Switzerland), 2020, 10, 1441-1452.	3.1	4
61	A Modified PEG-Fe3O4 Magnetic Nanoparticles Conjugated with D(â€‰+)Glucosamine (DG): MRI Contrast Agent. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1988-1998.	3.7	4
62	The Use of Carbon Quantum Dot as Alternative of Stannous Chloride Application in Radiopharmaceutical Kits. Contrast Media and Molecular Imaging, 2020, 2020, 1-11.	0.8	3
63	A Review Study of the Influences of Dendrimer Nanoparticles on Stored Platelet in Order to Treat Patients (2001-2020). Current Nanoscience, 2022, 18, 304-318.	1.2	3
64	MALDI-MS: a Rapid and Reliable Method for Drug-to-Antibody Ratio Determination of Antibody-Drug Conjugates. Iranian Biomedical Journal, 2019, 23, 395-403.	0.7	3
65	Comparison of polystyrene versus cycloolefin microplates in absorbance measurements in the UV/VIS region of the spectrum. Journal of Shahrekord University of Medical Sciences, 2019, 21, 110-113.	0.2	3
66	Synthesis and Biological Evaluation of a Novel Glucosylated Derivative of Gadolinium Diethylenetriaminepentaacetic Acid for Tumor Magnetic Resonance Imaging. Iranian Journal of Pharmaceutical Research, 2019, 18, 49-60.	0.5	3
67	G2 Dendrimer as a Carrier Can Enhance Immune Responses Against HCV-NS3 Protein in BALB/c Mice. Avicenna Journal of Medical Biotechnology, 2019, 11, 292-298.	0.3	3
68	Application of non-metal nanoparticles, as a novel approach, for improving the stability of blood products: 2011â€“2021. Progress in Biomaterials, 2022, 11, 137-161.	4.5	3
69	Formulation and in vitro Evaluation of Eudragit L100 piroxicam. Nature Precedings, 2008, , .	0.1	2
70	N â€acetylcysteineâ€“PLGA nanoâ€conjugate: effects on cellular toxicity and uptake of gadopentate dimeglumine. IET Nanobiotechnology, 2020, 14, 470-478.	3.8	2
71	Detection of Dopamine Receptors Using Nanoscale Dendrimer for Potential Application in Targeted Delivery and Whole-Body Imaging: Synthesis and In Vivo Organ Distribution. ACS Applied Bio Materials, 2022, 5, 1744-1755.	4.6	2
72	Induction of Strong and Specific Humoral and T-helper 1 Cellular Responses by HBsAg Entrapped in the Methanobrevibacter smithii Archaeosomes. Avicenna Journal of Medical Biotechnology, 2014, 6, 238-45.	0.3	1

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73	Bioactive Salen-type Schiff Base Transition Metal Complexes as Possible Anticancer Agents. Iranian Journal of Pharmaceutical Research, 2019, 18, 2055-2066.	0.5	1
74	Novel delivery based anionic linear globular dendrimerg2-zidovudine nano-conjugate significantly decreased retroviral activity. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 705-714.	0.2	1
75	Synthesis and Characterization of New Magnetofluorescent Silicon Dot for Theranostic Application. Journal of Nanomaterials, 2022, 2022, 1-10.	2.7	1
76	A Review of the Use of Metallic Nanoparticles as a Novel Approach for Overcoming the Stability Challenges of Blood Products: A Narrative Review from 2011-2021. Current Drug Delivery, 2023, 20, 261-280.	1.6	1
77	Synthesis and characterization of a novel chemically designed (Globo)3–DTPA–KLH antigen. Drug Design, Development and Therapy, 2014, 9, 217.	4.3	0
78	Induction of immune responses by protein vaccines formulated with adjuvants against Leishmania major in vivo. Comparative Clinical Pathology, 2019, 28, 1609-1615.	0.7	0
79	Synthesis and labeling of p-NH2-Bn-DTPA-(Dabcyl-Lys6,Phe7)-pHBSP with 99mTc as a radiopeptide scintigraphic agent to detect cardiac ischemia. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 635-646.	1.5	0
80	Novel Gâ€€CSF conjugated anionic globular dendrimer: Preparation and biological activity assessment. Pharmacology Research and Perspectives, 2021, 9, e00826.	2.4	0
81	Investigation Of Reducing Omniscan Toxicity Using Intracellular And Targeted N-Acetylcysteine Lysine Complex. Letters in Drug Design and Discovery, 2019, 16, 1006-1019.	0.7	0
82	Production of an Antibody Fragment (scFv) Targeting PcrV Protein of Pseudomonas aeruginosa in Fed-Batch Cultivation Mode. Iranian Biomedical Journal, 2021, 25, 390-398.	0.7	0
83	Synthesis and evaluation of a novel nanosized anionic linear globular dendrimer G2-ciprofloxacin conjugate against prostate cancer. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 2589-2594.	0.2	0
84	Adjuvant Effects of Pseudomonas aeruginosa Flagellin on the Immunological Patterns of the HIV-1 Vaccine Candidate: Vaccine Formulations Versus Different Routes of Immunization. Viral Immunology, 2022, 35, 150-158.	1.3	0
85	18F-FDG MicroPET and MRI Targeting Breast Cancer Mouse Model with Designed Synthesis Nanoparticles. Journal of Nanomaterials, 2022, 2022, 1-9.	2.7	0