

# Hamed Nosrati

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,226  
citations

172457

29  
h-index

223800

46  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bovine Serum Albumin (BSA) coated iron oxide magnetic nanoparticles as biocompatible carriers for curcumin-anticancer drug. <i>Bioorganic Chemistry</i> , 2018, 76, 501-509.	4.1	217
2	Production of biological nanoparticles from bovine serum albumin as controlled release carrier for curcumin delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 83-89.	7.5	134
3	CRISPR Systems for COVID-19 Diagnosis. <i>ACS Sensors</i> , 2021, 6, 1430-1445.	7.8	100
4	Preparation of magnetic albumin nanoparticles via a simple and one-pot desolvation and co-precipitation method for medical and pharmaceutical applications. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 909-915.	7.5	89
5	Methotrexate-conjugated L-lysine coated iron oxide magnetic nanoparticles for inhibition of MCF-7 breast cancer cells. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 886-894.	2.0	87
6	Folic acid conjugated bovine serum albumin: An efficient smart and tumor targeted biomacromolecule for inhibition folate receptor positive cancer cells. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 1125-1132.	7.5	82
7	Green and one-pot surface coating of iron oxide magnetic nanoparticles with natural amino acids and biocompatibility investigation. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4069.	3.5	68
8	New advances strategies for surface functionalization of iron oxide magnetic nano particles (IONPs). <i>Research on Chemical Intermediates</i> , 2017, 43, 7423-7442.	2.7	67
9	Polyethylene glycol (PEG) decorated graphene oxide nanosheets for controlled release curcumin delivery. <i>Heliyon</i> , 2019, 5, e01466.	3.2	66
10	New Insight about Biocompatibility and Biodegradability of Iron Oxide Magnetic Nanoparticles: Stereological and In Vivo MRI Monitor. <i>Scientific Reports</i> , 2019, 9, 7173.	3.3	65
11	Enzymatic stimuli-responsive methotrexate-conjugated magnetic nanoparticles for target delivery to breast cancer cells and release study in lysosomal condition. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1646-1654.	4.0	63
12	PAMAM-modified citric acid-coated magnetic nanoparticles as pH sensitive biocompatible carrier against human breast cancer cells. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1377-1384.	2.0	61
13	Nanotechnology against the novel coronavirus (severe acute respiratory syndrome coronavirus-2): diagnosis, treatment, therapy and future perspectives. <i>Nanomedicine</i> , 2021, 16, 497-516.	3.3	61
14	Natural and Synthetic Bioinks for 3D Bioprinting. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000097.	3.6	60
15	Anticancer Activity of Tamoxifen Loaded Tyrosine Decorated Biocompatible Fe <sub>3</sub> O <sub>4</sub> Magnetic Nanoparticles Against Breast Cancer Cell Lines. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1178-1186.	3.7	56
16	Methotrexate anticancer drug delivery to breast cancer cell lines by iron oxide magnetic based nanocarrier. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2492-2500.	4.0	53
17	Glutathione (GSH) Peptide Conjugated Magnetic Nanoparticles As Blood-Brain Barrier Shuttle for MRI-Monitored Brain Delivery of Paclitaxel. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1677-1685.	5.2	51
18	Biotin-functionalized copolymeric PEG-PCL micelles for <i>in vivo</i> tumour-targeted delivery of artemisinin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 104-114.	2.8	49

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19	Tumor Targeted Albumin Coated Bismuth Sulfide Nanoparticles (Bi <sub>2</sub> S <sub>3</sub> ) as Radiosensitizers and Carriers of Curcumin for Enhanced Chemoradiation Therapy. ACS Biomaterials Science and Engineering, 2019, 5, 4416-4424.	5.2	46
20	Harnessing nanoparticles for the efficient delivery of the CRISPR/Cas9 system. Nano Today, 2020, 34, 100895.	11.9	45
21	Methotrexate-conjugated mPEG-PCL copolymers: a novel approach for dual triggered drug delivery. New Journal of Chemistry, 2018, 42, 5937-5945.	2.8	43
22	Facile Synthesis and Characterization of L-Aspartic Acid Coated Iron Oxide Magnetic Nanoparticles (IONPs) For Biomedical Applications. Drug Research, 2018, 68, 280-285.	1.7	43
23	Preparation and Characterization of Copolymeric Polymersomes for Protein Delivery. Drug Research, 2017, 67, 458-465.	1.7	42
24	Bovine serum albumin: An efficient biomacromolecule nanocarrier for improving the therapeutic efficacy of chrysin. Journal of Molecular Liquids, 2018, 271, 639-646.	4.9	41
25	Complete ablation of tumors using synchronous chemoradiation with bimetallic theranostic nanoparticles. Bioactive Materials, 2022, 7, 74-84.	15.6	41
26	Synthesis, characterization, and kinetic release study of methotrexate loaded mPEG-PCL polymersomes for inhibition of MCF-7 breast cancer cell line. Pharmaceutical Development and Technology, 2019, 24, 89-98.	2.4	40
27	Prodrug Polymeric Nanoconjugates Encapsulating Gold Nanoparticles for Enhanced X-Ray Radiation Therapy in Breast Cancer. Advanced Healthcare Materials, 2022, 11, e2102321.	7.6	38
28	Cellulose@Fe <sub>2</sub> O <sub>3</sub> nanoparticle composites: magnetically recyclable nanocatalyst for the synthesis of 3-aminoimidazo[1,2-a]pyridines. Research on Chemical Intermediates, 2015, 41, 3719-3727.	2.7	35
29	Folic Acid Modified Bismuth Sulfide and Gold Heterodimers for Enhancing Radiosensitization of Mice Tumors to X-ray Radiation. ACS Sustainable Chemistry and Engineering, 2020, 8, 5260-5269.	6.7	34
30	Anticancer effect of X-Ray triggered methotrexate conjugated albumin coated bismuth sulfide nanoparticles on SW480 colon cancer cell line. International Journal of Pharmaceutics, 2020, 582, 119320.	5.2	28
31	Preparation, characterization and <i>in vitro</i> anticancer activity of paclitaxel conjugated magnetic nanoparticles. Drug Development and Industrial Pharmacy, 2018, 44, 1895-1903.	2.0	27
32	Biocompatibility and anticancer activity of L-phenyl alanine-coated iron oxide magnetic nanoparticles as potential chrysin delivery system. Journal of Materials Research, 2018, 33, 1602-1611.	2.6	26
33	Multifunctional nanoparticles from albumin for stimuli-responsive efficient dual drug delivery. Bioorganic Chemistry, 2019, 88, 102959.	4.1	23
34	Evaluation radioprotective effect of curcumin conjugated albumin nanoparticles. Bioorganic Chemistry, 2020, 100, 103891.	4.1	23
35	Iron oxide and gold bimetallic radiosensitizers for synchronous tumor chemoradiation therapy in 4T1 breast cancer murine model. Journal of Materials Chemistry B, 2021, 9, 4510-4522.	5.8	22
36	Anticancer evaluation of methotrexate and curcumin-coencapsulated niosomes against colorectal cancer cell lines. Nanomedicine, 2022, 17, 201-217.	3.3	22

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37	Improved synergic therapeutic effects of chemoradiation therapy with the aid of a co-drug-loaded nano-radiosensitizer under conventional-dose X-ray irradiation. <i>Biomaterials Science</i> , 2020, 8, 4275-4286.	5.4	20
38	Preparation, characterization, and evaluation of amino acid modified magnetic nanoparticles: drug delivery and MRI contrast agent applications. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 1156-1167.	2.4	15
39	Theranostic nanoparticles based on magnetic nanoparticles: design, preparation, characterization, and evaluation as novel anticancer drug carrier and MRI contrast agent. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1668-1678.	2.0	14
40	Bovine serum albumin stabilized iron oxide and gold bimetallic heterodimers: Synthesis, characterization and Stereological study. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5155.	3.5	13
41	Phenyl alanine & Tyrosine Amino acids Coated Magnetic Nanoparticles: Preparation and Toxicity study. <i>Drug Research</i> , 2019, 69, 277-283.	1.7	13
42	Facile green synthesis of bismuth sulfide radiosensitizer via biomimetalization of albumin natural molecule for chemoradiation therapy aim. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 3832-3838.	2.8	10
43	Preparation of bismuth sulfide nanoparticles as targeted biocompatible nano-radiosensitizer and carrier of methotrexate. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5251.	3.5	10
44	Preparation and characterization of magnetic theranostic nanoparticles for curcumin delivery and evaluation as MRI contrast agent. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4588.	3.5	9
45	Simple surface functionalization of magnetic nanoparticles with methotrexate-conjugated bovine serum albumin as a biocompatible drug delivery vehicle. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5479.	3.5	9
46	A novel one-pot isocyanide-based three-component reaction: synthesis of highly functionalized imidazo-chromen-4-ones. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1655-1663.	2.2	7
47	Synthesis and characterization of PEGylated iron and graphene oxide magnetic composite for curcumin delivery. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5825.	3.5	7
48	Preparation of copper oxide nanoparticles coated with bovine serum albumin for delivery of methotrexate. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 67, 103015.	3.0	6
49	AS1411 conjugated magnetic-based poly N-isopropyl acrylamide nanoparticles for delivery of erlotinib to prostate cancer cells. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	6
50	BSA-PEI Nanoparticle Mediated Efficient Delivery of CRISPR/Cas9 into MDA-MB-231 Cells. <i>Molecular Biotechnology</i> , 2022, 64, 1376-1387.	2.4	6
51	One-pot oxidative Groebke-Blackburn-Bienayme reaction of alcohols: using bio-supported and magnetically recyclable Fe <sub>2</sub> O <sub>3</sub> @cellulose and Fe <sub>2</sub> O <sub>3</sub> @cellulose-SO <sub>3</sub> H nanocomposites for the synthesis of 3-aminoimidazo[1,2-a]pyridines. <i>Monatshefte für Chemie</i> , 2018, 149, 1459-1467.	1.8	5
52	An innovative green approach to the production of bio-sourced and nano-sized graphene oxide (GO)-like carbon flakes. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, , 100200.	5.6	5
53	Curcumin delivery by modified biosourced carbon-based nanoparticles. <i>Nanomedicine</i> , 2022, 17, 95-105.	3.3	5
54	Metronidazole conjugated bismuth sulfide nanoparticles for enhanced X-ray radiation therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 71, 103336.	3.0	4

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55	Cytotoxic Activity and Kinetic Release Study of Lovastatin-Loaded Ph-Sensitive Polymersomes. <i>Pharmaceutical Chemistry Journal</i> , 2018, 52, 721-729.	0.8	2
56	Albumin-Based Carriers for Systemic Delivery to Tackle Cancer. <i>Healthy Ageing and Longevity</i> , 2020, , 247-270.	0.2	2
57	Targeted Drug Delivery: Advancements, Applications, and Challenges. , 2021, , 195-212.		2
58	The Bovine Serum Albumin Coated Copper Oxide Nanoparticle for Curcumin Delivery in Biological Environment: In-vitro Drug Release. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3203-3208.	5.0	2
59	Target Delivery of Iron Oxide Magnetic Nanoparticles for Imaging and Treatment. <i>Nanomedicine and Nanotoxicology</i> , 2020, , 267-285.	0.2	0