# Hamed Nosrati

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | Complete ablation of tumors using synchronous chemoradiation with bimetallic theranostic nanoparticles. Bioactive Materials, 2022, 7, 74-84. | 15.6 | 41 |
| 2 | Prodrug Polymeric Nanoconjugates Encapsulating Gold Nanoparticles for Enhanced Xâ€Ray Radiation Therapy in Breast Cancer. Advanced Healthcare Materials, 2022, 11, e2102321. | 7.6 | 38 |
| 3 | Curcumin delivery by modified biosourced carbon-based nanoparticles. Nanomedicine, 2022, 17, 95-105. | 3.3 | 5 |
| 4 | Preparation of copper oxide nanoparticles coated with bovine serum albumin for delivery of methotrexate. Journal of Drug Delivery Science and Technology, 2022, 67, 103015. | 3.0 | 6 |
| 5 | Anticancer evaluation of methotrexate and curcumin-coencapsulated niosomes against colorectal cancer cell lines. Nanomedicine, 2022, 17, 201-217. | 3.3 | 22 |
| 6 | The Bovine Serum Albumin Coated Copper Oxide Nanoparticle for Curcumin Delivery in Biological Environment: In-vitro Drug Release. Journal of Polymers and the Environment, 2022, 30, 3203-3208. | 5.0 | 2 |
| 7 | AS1411 conjugated magneticâ€based poly Nâ€isopropyl acrylamide nanoparticles for delivery of erlotinib to prostate cancer cells. Applied Organometallic Chemistry, 2022, 36, . | 3.5 | 6 |
| 8 | Metronidazole conjugated bismuth sulfide nanoparticles for enhanced X-ray radiation therapy. Journal of Drug Delivery Science and Technology, 2022, 71, 103336. | 3.0 | 4 |
| 9 | BSA-PEI Nanoparticle Mediated Efficient Delivery of CRISPR/Cas9 into MDA-MB-231 Cells. Molecular Biotechnology, 2022, 64, 1376-1387. | 2.4 | 6 |
| 10 | Targeted Drug Delivery: Advancements, Applications, and Challenges. , 2021, , 195-212. | | 2 |
| 11 | 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 |
| 12 | CRISPR Systems for COVID-19 Diagnosis. ACS Sensors, 2021, 6, 1430-1445. | 7.8 | 100 |
| 13 | Nanotechnology against the novel coronavirus (severe acute respiratory syndrome coronavirusÂ2): diagnosis, treatment, therapy and future perspectives. Nanomedicine, 2021, 16, 497-516. | 3.3 | 61 |
| 14 | Natural and Synthetic Bioinks for 3D Bioprinting. Advanced NanoBiomed Research, 2021, 1, 2000097. | 3.6 | 60 |
| 15 | An innovative green approach to the production of bio-sourced and nano-sized graphene oxide (GO)-like carbon flakes. Current Research in Green and Sustainable Chemistry, 2021, , 100200. | 5.6 | 5 |
| 16 | Preparation of bismuth sulfide nanoparticles as targeted biocompatible nanoâ€radiosensitizer and carrier of methotrexate. Applied Organometallic Chemistry, 2020, 34, e5251. | 3.5 | 10 |
| 17 | Albumin-Based Carriers for Systemic Delivery to Tackle Cancer. Healthy Ageing and Longevity, 2020, , 247-270. | 0.2 | 2 |
| 18 | Harnessing nanoparticles for the efficient delivery of the CRISPR/Cas9 system. Nano Today, 2020, 34, 100895. | 11.9 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Synthesis and characterization of PEGylated iron and graphene oxide magnetic composite for curcumin delivery. Applied Organometallic Chemistry, 2020, 34, e5825. | 3.5 | 7 |
| 20 | Improved synergic therapeutic effects of chemoradiation therapy with the aid of a co-drug-loaded nano-radiosensitizer under conventional-dose X-ray irradiation. Biomaterials Science, 2020, 8, 4275-4286. | 5.4 | 20 |
| 21 | Simple surface functionalization of magnetic nanoparticles with methotrexateâ€conjugated bovine serum albumin as a biocompatible drug delivery vehicle. Applied Organometallic Chemistry, 2020, 34, e5479. | 3.5 | 9 |
| 22 | 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 |
| 23 | 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 |
| 24 | Evaluation radioprotective effect of curcumin conjugated albumin nanoparticles. Bioorganic Chemistry, 2020, 100, 103891. | 4.1 | 23 |
| 25 | Target Delivery of Iron Oxide Magnetic Nanoparticles for Imaging and Treatment. Nanomedicine and Nanotoxicology, 2020, , 267-285. | 0.2 | 0 |
| 26 | Bovine serum albumin stabilized iron oxide and gold bimetallic heterodimers: Synthesis, characterization and Stereological study. Applied Organometallic Chemistry, 2019, 33, e5155. | 3.5 | 13 |
| 27 | 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 |
| 28 | Methotrexate anticancer drug delivery to breast cancer cell lines by iron oxide magnetic based nanocarrier. Journal of Biomedical Materials Research - Part A, 2019, 107, 2492-2500. | 4.0 | 53 |
| 29 | Facile green synthesis of bismuth sulfide radiosensitizer via biomineralization of albumin natural molecule for chemoradiation therapy aim. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 3832-3838. | 2.8 | 10 |
| 30 | Biotin-functionalized copolymeric PEG-PCL micelles for in vivo tumour-targeted delivery of artemisinin. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 104-114. | 2.8 | 49 |
| 31 | New Insight about Biocompatibility and Biodegradability of Iron Oxide Magnetic Nanoparticles: Stereological and In Vivo MRI Monitor. Scientific Reports, 2019, 9, 7173. | 3.3 | 65 |
| 32 | Multifunctional nanoparticles from albumin for stimuli-responsive efficient dual drug delivery. Bioorganic Chemistry, 2019, 88, 102959. | 4.1 | 23 |
| 33 | Glutathione (GSH) Peptide Conjugated Magnetic Nanoparticles As Bloodâ€“Brain Barrier Shuttle for MRI-Monitored Brain Delivery of Paclitaxel. ACS Biomaterials Science and Engineering, 2019, 5, 1677-1685. | 5.2 | 51 |
| 34 | Polyethylene glycol (PEG) decorated graphene oxide nanosheets for controlled release curcumin delivery. Heliyon, 2019, 5, e01466. | 3.2 | 66 |
| 35 | Phenyl alanine & Tyrosine Amino acids Coated Magnetic Nanoparticles: Preparation and Toxicity study. Drug Research, 2019, 69, 277-283. | 1.7 | 13 |
| 36 | Synthesis, characterization, and kinetic release study of methotrexate loaded mPEGâ€“PCL polymersomes for inhibition of MCF-7 breast cancer cell line. Pharmaceutical Development and Technology, 2019, 24, 89-98. | 2.4 | 40 |

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|---|---|---|---|
| 37 | Production of biological nanoparticles from bovine serum albumin as controlled release carrier for curcumin delivery. International Journal of Biological Macromolecules, 2018, 115, 83-89. | 7.5 | 134 |
| 38 | Enzymatic stimuliâ€responsive methotrexateâ€conjugated magnetic nanoparticles for target delivery to breast cancer cells and release study in lysosomal condition. Journal of Biomedical Materials Research - Part A, 2018, 106, 1646-1654. | 4.0 | 63 |
| 39 | Methotrexate-conjugated L-lysine coated iron oxide magnetic nanoparticles for inhibition of MCF-7 breast cancer cells. Drug Development and Industrial Pharmacy, 2018, 44, 886-894. | 2.0 | 87 |
| 40 | Bovine Serum Albumin (BSA) coated iron oxide magnetic nanoparticles as biocompatible carriers for curcumin-anticancer drug. Bioorganic Chemistry, 2018, 76, 501-509. | 4.1 | 217 |
| 41 | Methotrexate-conjugated mPEGâ€“PCL copolymers: a novel approach for dual triggered drug delivery. New Journal of Chemistry, 2018, 42, 5937-5945. | 2.8 | 43 |
| 42 | PAMAM-modified citric acid-coated magnetic nanoparticles as pH sensitive biocompatible carrier against human breast cancer cells. Drug Development and Industrial Pharmacy, 2018, 44, 1377-1384. | 2.0 | 61 |
| 43 | 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 |
| 44 | Green and oneâ€pot surface coating of iron oxide magnetic nanoparticles with natural amino acids and biocompatibility investigation. Applied Organometallic Chemistry, 2018, 32, e4069. | 3.5 | 68 |
| 45 | Anticancer Activity of Tamoxifen Loaded Tyrosine Decorated Biocompatible Fe3O4 Magnetic Nanoparticles Against Breast Cancer Cell Lines. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1178-1186. | 3.7 | 56 |
| 46 | Preparation of magnetic albumin nanoparticles via a simple and one-pot desolvation and co-precipitation method for medical and pharmaceutical applications. International Journal of Biological Macromolecules, 2018, 108, 909-915. | 7.5 | 89 |
| 47 | Cytotoxic Activity and Kinetic Release Study of Lovastatin-Loaded Ph-Sensitive Polymersomes. Pharmaceutical Chemistry Journal, 2018, 52, 721-729. | 0.8 | 2 |
| 48 | Preparation and characterization of magnetic theranostic nanoparticles for curcumin delivery and evaluation as MRI contrast agent. Applied Organometallic Chemistry, 2018, 32, e4588. | 3.5 | 9 |
| 49 | Preparation, characterization, and evaluation of amino acid modified magnetic nanoparticles: drug delivery and MRI contrast agent applications. Pharmaceutical Development and Technology, 2018, 23, 1156-1167. | 2.4 | 15 |
| 50 | Theranostic nanoparticles based on magnetic nanoparticles: design, preparation, characterization, and evaluation as novel anticancer drug carrier and MRI contrast agent. Drug Development and Industrial Pharmacy, 2018, 44, 1668-1678. | 2.0 | 14 |
| 51 | One-pot oxidative Groebkeâ€“Blackburnâ€“Bienayme reaction of alcohols: using bio-supported and magnetically recyclable Fe2O3@cellulose and Fe2O3@celluloseâ€“SO3H nanocomposites for the synthesis of 3-aminoimidazo[1,2-a]pyridines. Monatshefte FÃ¼r Chemie, 2018, 149, 1459-1467. | 1.8 | 5 |
| 52 | 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 |
| 53 | Preparation, characterization and in vitro anticancer activity of paclitaxel conjugated magnetic nanoparticles. Drug Development and Industrial Pharmacy, 2018, 44, 1895-1903. | 2.0 | 27 |
| 54 | Folic acid conjugated bovine serum albumin: An efficient smart and tumor targeted biomacromolecule for inhibition folate receptor positive cancer cells. International Journal of Biological Macromolecules, 2018, 117, 1125-1132. | 7.5 | 82 |

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|---|---|---|---|
| 55 | 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 |
| 56 | Preparation and Characterization of Copolymeric Polymersomes for Protein Delivery. Drug Research, 2017, 67, 458-465. | 1.7 | 42 |
| 57 | New advances strategies for surface functionalization of iron oxide magnetic nano particles (IONPs). Research on Chemical Intermediates, 2017, 43, 7423-7442. | 2.7 | 67 |
| 58 | A novel one-pot isocyanide-based three-component reaction: synthesis of highly functionalized imidazo-chromen-4-ones. Journal of the Iranian Chemical Society, 2015, 12, 1655-1663. | 2.2 | 7 |
| 59 | Cellulose@Fe2O3 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 |