

# Mehrdad Hamidi

## List of Publications by Year in descending order

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96  
papers

5,749  
citations

94269

37  
h-index

76769

74  
g-index

98  
all docs

98  
docs citations

98  
times ranked

8613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogel nanoparticles in drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 1638-1649.	6.6	1,685
2	Pharmacokinetic Consequences of Pegylation. <i>Drug Delivery</i> , 2006, 13, 399-409.	2.5	255
3	Cubosomes: remarkable drug delivery potential. <i>Drug Discovery Today</i> , 2016, 21, 789-801.	3.2	248
4	Mesoporous silica materials: From physico-chemical properties to enhanced dissolution of poorly water-soluble drugs. <i>Journal of Controlled Release</i> , 2017, 262, 329-347.	4.8	202
5	The mechanisms of surface chemistry effects of mesoporous silicon nanoparticles on immunotoxicity and biocompatibility. <i>Biomaterials</i> , 2013, 34, 7776-7789.	5.7	163
6	Carrier Erythrocytes: An Overview. <i>Drug Delivery</i> , 2003, 10, 9-20.	2.5	160
7	<i>Artemia salina</i> as a model organism in toxicity assessment of nanoparticles. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 20.	0.9	158
8	Applications of carrier erythrocytes in delivery of biopharmaceuticals. <i>Journal of Controlled Release</i> , 2007, 118, 145-160.	4.8	153
9	Brain Delivery of Curcumin Using Solid Lipid Nanoparticles and Nanostructured Lipid Carriers: Preparation, Optimization, and Pharmacokinetic Evaluation. <i>ACS Chemical Neuroscience</i> , 2019, 10, 728-739.	1.7	126
10	Mesoporous Silica-Based Materials with Bactericidal Properties. <i>Small</i> , 2019, 15, e1900669.	5.2	125
11	Methotrexate-loaded chitosan nanogels as "Trojan Horses" for drug delivery to brain: Preparation and in vitro/in vivo characterization. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 523-530.	3.6	97
12	The impact of polymer coatings on magnetite nanoparticles performance as MRI contrast agents: a comparative study. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 45.	0.9	94
13	Doxorubicin-conjugated core-shell magnetite nanoparticles as dual-targeting carriers for anticancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 406-413.	2.5	92
14	Repaglinide-loaded solid lipid nanoparticles: effect of using different surfactants/stabilizers on physicochemical properties of nanoparticles. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 46.	0.9	78
15	Preparation of biodegradable nanoparticles of tri-block PLA-PEG-PLA copolymer and determination of factors controlling the particle size using artificial neural network. <i>Journal of Microencapsulation</i> , 2011, 28, 406-416.	1.2	73
16	Brain drug targeting: a computational approach for overcoming blood-brain barrier. <i>Drug Discovery Today</i> , 2009, 14, 1030-1036.	3.2	71
17	Synthesis and characterization of dextran coated magnetite nanoparticles for diagnostics and therapy. <i>BiolImpacts</i> , 2015, 5, 141-150.	0.7	70
18	Drug-conjugated PLA-PEG-PLA copolymers: a novel approach for controlled delivery of hydrophilic drugs by micelle formation. <i>Pharmaceutical Development and Technology</i> , 2017, 22, 947-957.	1.1	70

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19	A Pharmacokinetic Overview of Nanotechnology-Based Drug Delivery Systems: An ADME-Oriented Approach. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2013, 30, 435-467.	1.2	69
20	Biodegradable m-PEG/PCL Core-Shell Micelles: Preparation and Characterization as a Sustained Release Formulation for Curcumin. <i>Advanced Pharmaceutical Bulletin</i> , 2014, 4, 501-10.	0.6	66
21	Neuroprotective Potential of Curcumin-Loaded Nanostructured Lipid Carrier in an Animal Model of Alzheimer's Disease: Behavioral and Biochemical Evidence. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 671-686.	1.2	64
22	Preparation and optimization of surface-treated methotrexate-loaded nanogels intended for brain delivery. <i>Carbohydrate Polymers</i> , 2012, 90, 462-471.	5.1	57
23	Copolymers: Efficient Carriers for Intelligent Nanoparticulate Drug Targeting and Gene Therapy. <i>Macromolecular Bioscience</i> , 2012, 12, 144-164.	2.1	57
24	Nanoemulsions in CNS drug delivery: recent developments, impacts and challenges. <i>Drug Discovery Today</i> , 2019, 24, 1104-1115.	3.2	56
25	In Vitro Characterization of Human Intact Erythrocytes Loaded by Enalaprilat. <i>Drug Delivery</i> , 2001, 8, 223-230.	2.5	55
26	The Anticancer Agent Prodigiosin Is Not a Multidrug Resistance Protein Substrate. <i>DNA and Cell Biology</i> , 2013, 32, 90-97.	0.9	54
27	Preparation and in vitro characterization of carrier erythrocytes for vaccine delivery. <i>International Journal of Pharmaceutics</i> , 2007, 338, 70-78.	2.6	52
28	Emerging insights on drug delivery by fatty acid mediated synthesis of lipophilic prodrugs as novel nanomedicines. <i>Journal of Controlled Release</i> , 2020, 326, 556-598.	4.8	49
29	Fabrication of ciprofloxacin-loaded chitosan/polyethylene oxide/silica nanofibers for wound dressing application: In vitro and in vivo evaluations. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120313.	2.6	47
30	Combined therapy of silymarin and desferrioxamine in patients with $\beta$ -thalassemia major: a randomized double-blind clinical trial. <i>Fundamental and Clinical Pharmacology</i> , 2009, 23, 359-365.	1.0	46
31	Evaluation of Hypotonic Preswelling Method for Encapsulation of Enalaprilat in Intact Human Erythrocytes. <i>Drug Development and Industrial Pharmacy</i> , 2000, 26, 1247-1257.	0.9	42
32	Preparation and characterization of tri-block poly(lactide)-poly(ethylene glycol)-poly(lactide) nanogels for controlled release of naltrexone. <i>International Journal of Pharmaceutics</i> , 2011, 416, 356-364.	2.6	42
33	Encapsulation of Valproate-Loaded Hydrogel Nanoparticles in Intact Human Erythrocytes: A Novel Nano-cell Composite for Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 1702-1711.	1.6	41
34	Neuropharmacokinetic evaluation of methotrexate-loaded chitosan nanogels. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 326-335.	3.6	41
35	Preparation and in vitro evaluation of carrier erythrocytes for RES-targeted delivery of interferon-alpha 2b. <i>International Journal of Pharmaceutics</i> , 2007, 341, 125-133.	2.6	39
36	Dissolution enhancement of a model poorly water-soluble drug, atorvastatin, with ordered mesoporous silica: comparison of MSF with SBA-15 as drug carriers. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 171-181.	2.4	39

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37	Neuropharmacokinetic evaluation of lactoferrin-treated indinavir-loaded nanoemulsions: remarkable brain delivery enhancement. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 736-744.	0.9	39
38	Co-delivery of hydrophilic and hydrophobic drugs by micelles: a new approach using drug conjugated PEG-PCL Nanoparticles. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1908-1918.	0.9	38
39	Design, preparation, and in vitro characterization of a trimodally-targeted nanomagnetic onco-theranostic system for cancer diagnosis and therapy. <i>International Journal of Pharmaceutics</i> , 2016, 500, 62-76.	2.6	35
40	Carrier erythrocytes: recent advances, present status, current trends and future horizons. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 433-447.	2.4	33
41	Magnetic brain targeting of naproxen-loaded polymeric micelles: pharmacokinetics and biodistribution study. <i>Materials Science and Engineering C</i> , 2019, 100, 771-780.	3.8	33
42	Designing PEGylated therapeutic molecules: advantages in ADMET properties. <i>Expert Opinion on Drug Discovery</i> , 2008, 3, 1293-1307.	2.5	30
43	Oral delivery of indinavir using mPEG-PCL nanoparticles: preparation, optimization, cellular uptake, transport and pharmacokinetic evaluation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 2123-2133.	1.9	27
44	pH-Triggered Magnetic-Chitosan Nanogels (MCNs) For Doxorubicin Delivery: Physically vs. Chemically Cross Linking Approach. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 115-20.	0.6	27
45	Preparation, optimization, and in-vitro/in-vivo/ex-vivo characterization of chitosan-heparin nanoparticles: drug-induced gelation. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 1118-1133.	1.2	25
46	Magnetic nanogels as dual triggered anticancer drug delivery: Toxicity evaluation on isolated rat liver mitochondria. <i>Toxicology Letters</i> , 2017, 278, 18-29.	0.4	25
47	Preparation, Optimization, and Evaluation of Methoxy Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (glycol)- Chemical Neuroscience, 2020, 11, 783-795.	1.7	25
48	Role of P-glycoprotein in tissue uptake of indinavir in rat. <i>Life Sciences</i> , 2006, 79, 991-998.	2.0	24
49	Preparation and Validation of Carrier Human Erythrocytes Loaded by Bovine Serum Albumin as a Model Antigen/Protein. <i>Drug Delivery</i> , 2007, 14, 295-300.	2.5	23
50	A Simple and Sensitive HPLC-UV Method for Quantitation of Lovastatin in Human Plasma: Application to a Bioequivalence Study. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 1600-1603.	0.6	22
51	Simple and Sensitive High-Performance Liquid Chromatography (HPLC) Method with UV Detection for Mycophenolic Acid Assay in Human Plasma. Application to a Bioequivalence Study. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 563-568.	0.6	21
52	A simple HPLC method for quantitation of enalaprilat. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 675-680.	1.4	20
53	Co-encapsulation of a Drug with a Protein in Erythrocytes for Improved Drug Loading and Release: Phenytoin and Bovine Serum Albumin (BSA). <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2011, 14, 46.	0.9	20
54	A Rapid and Sensitive LC-MS Method for Determination of Ezetimibe Concentration in Human Plasma: Application to a Bioequivalence Study. <i>Chromatographia</i> , 2013, 76, 1667-1675.	0.7	20

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55	Surface modification of neurotrophin-3 loaded PCL/chitosan nanofiber/net by alginate hydrogel microlayer for enhanced biocompatibility in neural tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2237-2254.	2.1	20
56	Taguchi orthogonal array design for the optimization of hydrogel nanoparticles for the intravenous delivery of small-molecule drugs. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1714-1724.	1.3	19
57	A novel approach for the synthesis of phospholipid bilayer-coated zeolitic imidazolate frameworks: preparation and characterization as a pH-responsive drug delivery system. <i>New Journal of Chemistry</i> , 2019, 43, 1956-1963.	1.4	19
58	Preparation of Graphene Oxide/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite as a Potential Magnetic Nanocarrier and MRI Contrast Agent. <i>ChemistrySelect</i> , 2021, 6, 2862-2868.	0.7	19
59	Enhancement of the brain delivery of methotrexate with administration of mid-chain ester prodrugs: In vitro and in vivo studies. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120479.	2.6	17
60	Pharmacokinetics and Bioequivalence Study of Amlodipine and Atorvastatin in Healthy Male Volunteers by LC-MS. <i>Pharmaceutical Sciences</i> , 2015, 21, 167-174.	0.8	17
61	Improved oral bioavailability of repaglinide, a typical BCS Class II drug, with a chitosan-coated nanoemulsion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 717-728.	1.6	16
62	Preparation, optimization, and <i>in-vitro</i> characterization of $\alpha$ -tocopherol-loaded solid lipid nanoparticles (SLNs). <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 159-171.	0.9	16
63	Development and characterization of a novel lipohydrogel nanocarrier: repaglinide as a lipophilic model drug. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 450-458.	1.2	15
64	Preparation and <i>in vitro</i> /pharmacokinetic/pharmacodynamic evaluation of a slow-release nano-liposomal form of prednisolone. <i>Drug Delivery</i> , 2016, 23, 3008-3016.	2.5	15
65	Preparation and <i>in-vitro</i> characterization of tramadol-loaded carrier erythrocytes for long-term intravenous delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 322-332.	1.2	14
66	The impact of preparation parameters on typical attributes of chitosan-heparin nanohydrogels: particle size, loading efficiency, and drug release. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 1774-1782.	0.9	14
67	Polysorbate-coated mesoporous silica nanoparticles as an efficient carrier for improved rivastigmine brain delivery. <i>Brain Research</i> , 2022, 1781, 147786.	1.1	14
68	A reversed-phase high-performance liquid chromatography method for bovine serum albumin assay in pharmaceutical dosage forms and protein/antigen delivery systems. <i>Drug Testing and Analysis</i> , 2009, 1, 214-218.	1.6	13
69	Optimization of Olive Oil-Based Nanoemulsion Preparation for Intravenous Drug Delivery. <i>Drug Research</i> , 2019, 69, 256-264.	0.7	13
70	Simple and sensitive high-performance liquid chromatography method for the quantitation of indinavir in rat plasma and central nervous system. <i>Journal of Separation Science</i> , 2006, 29, 620-627.	1.3	12
71	Inhibition of serum angiotensin-converting enzyme in rabbits after intravenous administration of enalaprilat-loaded intact erythrocytes. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 53, 1281-1286.	1.2	12
72	Magnetic molecularly imprinted polymer nanoparticles for dispersive micro solid-phase extraction and determination of buprenorphine in human urine samples by HPLC-FL. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1569-1580.	1.2	12

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73	Valproate-Loaded hydrogel nanoparticles: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4686-4693.	1.3	11
74	Indinavir-Loaded Nanostructured Lipid Carriers to Brain Drug Delivery: Optimization, Characterization and Neuropharmacokinetic Evaluation. <i>Current Drug Delivery</i> , 2019, 16, 341-354.	0.8	11
75	Polymeric Delivery Systems for Biopharmaceuticals. <i>Biotechnology and Genetic Engineering Reviews</i> , 2004, 21, 147-182.	2.4	10
76	Effect of Colloidal Aqueous Solution of Fullerene (C60) in the Presence of a P-Glycoprotein Inhibitor (Verapamil) on Spatial Memory and Hippocampal Expression of Sirtuin6, SELADIN1, and AQP1 Genes in a Rat Model of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2549-2565.	1.7	10
77	Novel Delivery Systems for Interferons. <i>Critical Reviews in Biotechnology</i> , 2007, 27, 111-127.	5.1	9
78	Lack of Evidence for Involvement of P-Glycoprotein in Brain Uptake of the Centrally Acting Analgesic, Tramadol in the Rat. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2012, 15, 606.	0.9	9
79	Method validation of amlodipine and atorvastatin by liquid chromatography-mass spectrometry (LC-MS) method in human plasma. <i>Cogent Medicine</i> , 2016, 3, 1129790.	0.7	9
80	A simple and rapid HPLC method for quantitation of interferon- $\beta$ in dosage forms and delivery systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 199-203.	1.2	8
81	Central nervous system distribution kinetics of indinavir in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 1077-1085.	1.2	8
82	Lipoproteins: From Physiological Roles to Drug Delivery Potentials. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2006, 23, 497-523.	1.2	8
83	LC-MS Method for Studying the Pharmacokinetics and Bioequivalence of Clonidine Hydrochloride in Healthy Male Volunteers. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 91-8.	0.2	7
84	Bioequivalence evaluation of a triamterene-hydrochlorothiazide generic product: A new bioequivalence index for fixed-dose combinations. <i>Regulatory Toxicology and Pharmacology</i> , 2011, 59, 149-156.	1.3	6
85	Pharmacokinetic properties of indinavir in rat: some limitations of noncompartmental analysis. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 355-361.	0.9	5
86	Factorial design analysis and optimisation of chitosan-based nanogels as controlled release system for gentamicin. <i>IET Nanobiotechnology</i> , 2018, 12, 12-17.	1.9	5
87	Liquid chromatography-tandem mass spectrometry (LC-MS) method for the assignment of enalapril and enalaprilat in human plasma. <i>Pharmaceutical and Biomedical Research</i> , 2015, 1, 47-58.	0.3	5
88	Relationship of serum ACE inhibition to oral dose of enalapril in normotensive volunteers. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2002, 27, 121-126.	0.7	4
89	Simple and sensitive high performance liquid chromatographic method for the simultaneous quantitation of the phenylalanine in human plasma. <i>Pharmaceutical and Biomedical Research</i> , 2015, 1, 11-19.	0.3	4
90	Preparation, Optimization and Characterization of Chitosan-coated Liposomes for Solubility Enhancement of Furosemide: A Model BCS IV Drug. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 366-382.	0.3	3

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91	A New Facilitated Solid Phase Extraction Method for Bioavailability Evaluation of Lisinopril in Fasting Healthy Male Volunteers. <i>Current Pharmaceutical Analysis</i> , 2012, 8, 431-439.	0.3	2
92	Pharmacokinetics and Bioequivalence of Methotrexate in Human Plasma Studied by Liquid Chromatography-Mass Spectrometry (LC-MS). <i>Jundishapur Journal of Natural Pharmaceutical Products</i> , 2016, 11, .	0.3	2
93	Carbohydrate Polymers: Drug and Gene Delivery. , 2016, , 1319-1333.		1
94	Pharmacokinetic properties of indinavir in rat: some limitations of noncompartmental analysis. <i>Drug Development and Industrial Pharmacy</i> , 2009, 00, 090904071538034-7.	0.9	1
95	Hydrogel Nanoparticles: Drug Delivery. , 0, , 3796-3807.		0
96	Copolymers: Drug Delivery. , 0, , 2192-2202.		0