Soliman Mohammadi-Samani Pharm D

List of Publications by Year
in descending order

105 papers	3,265 citations	172457 29 h-index	175258 52 g-index
108 all docs	108 docs citations	108 times ranked	4451 citing authors

#	Article	IF	Citations
1	Solid lipid nanoparticles and nanostructured lipid carriers as novel drug delivery systems: applications, advantages and disadvantages. Research in Pharmaceutical Sciences, 2018, 13, 288.	1.8	455
2	Mesoporous silica nanoparticles: Synthesis, pharmaceutical applications, biodistribution, and biosafety assessment. Chemical Engineering Journal, 2019, 359, 684-705.	12.7	159
3	Applications of carrier erythrocytes in delivery of biopharmaceuticals. Journal of Controlled Release, 2007, 118, 145-160.	9.9	153
4	Potential of Nanoparticles as Permeation Enhancers and Targeted Delivery Options for Skin: Advantages and Disadvantages . Drug Design, Development and Therapy, 2020, Volume 14, 3271-3289.	4.3	145
5	PLGA micro and nanoparticles in delivery of peptides and proteins; problems and approaches. Pharmaceutical Development and Technology, 2015, 20, 385-393.	2.4	105
6	Nanoparticles of Chitosan Loaded Ciprofloxacin: Fabrication and Antimicrobial Activity. Advanced Pharmaceutical Bulletin, 2017, 7, 427-432.	1.4	104
7	Recent Advances in Designing 5-Fluorouracil Delivery Systems: A Stepping Stone in the Safe Treatment of Colorectal Cancer . International Journal of Nanomedicine, 2020, Volume 15, 5445-5458.	6.7	102
8	Smart pH responsive drug delivery system based on poly(HEMA-co-DMAEMA) nanohydrogel. International Journal of Pharmaceutics, 2018, 552, 301-311.	5.2	71
9	The effect of polymer blends on release profiles of diclofenac sodium from matrices. European Journal of Pharmaceutics and Biopharmaceutics, 2003, 55, 351-355.	4.3	69
10	Nanovaccine for leishmaniasis: preparation of chitosan nanoparticles containing Leishmania superoxide dismutase and evaluation of its immunogenicity in BALB/c mice. International Journal of Nanomedicine, 2011, 6, 835.	6.7	68
11	A focused review on technologies, mechanisms, safety, and efficacy of available COVID-19 vaccines. International Immunopharmacology, 2021, 100, 108162.	3.8	65
12	Antihirsutism activity of Fennel (fruits of Foeniculum vulgare) extract â€“ A double-blind placebo controlled study. Phytomedicine, 2003, 10, 455-458.	5.3	55
13	Temperature and pH-responsive nano-hydrogel drug delivery system based on lysine-modified poly (vinylcaprolactam) . International Journal of Nanomedicine, 2019, Volume 14, 6901-6915.	6.7	54
14	Preparation and in vitro characterization of carrier erythrocytes for vaccine delivery. International Journal of Pharmaceutics, 2007, 338, 70-78.	5.2	52
15	In vivo evaluation of the efficacy of albendazole sulfoxide and albendazole sulfoxide loaded solid lipid nanoparticles against hydatid cyst. Experimental Parasitology, 2013, 135, 314-319.	1.2	51
16	Hydroxyl-modified magnetite nanoparticles as novel carrier for delivery of methotrexate. International Journal of Pharmaceutics, 2016, 504, 110-116.	5.2	48
17	Major Neurologic Adverse Drug Reactions, Potential Drugâ€“Drug Interactions and Pharmacokinetic Aspects of Drugs Used in COVID-19 Patients with Stroke: A Narrative Review . Therapeutics and Clinical Risk Management, 2020, Volume 16, 595-605.	2.0	47
18	Healing acceleration in hamsters of oral mucositis induced by 5-fluorouracil with topical Calendula officinalis. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2013, 115, 332-338.	0.4	45

#	Article	IF	Citations
19	Effect of oral cromolyn sodium on CKD-associated pruritus and serum tryptase level: a double-blind placebo-controlled study. Nephrology Dialysis Transplantation, 2010, 25, 1541-1547.	0.7	42
20	Effect of intraurethral captopril gel on the recurrence of urethral stricture after direct vision internal urethrotomy: Phase II clinical trial. International Journal of Urology, 2007, 14, 203-208.	1.0	41
21	Encapsulation of Valproate-Loaded Hydrogel Nanoparticles in Intact Human Erythrocytes: A Novel Nano-cell Composite for Drug Delivery. Journal of Pharmaceutical Sciences, 2011, 100, 1702-1711.	3.3	41
22	Cyproterone acetate-loaded nanostructured lipid carriers: effect of particle size on skin penetration and follicular targeting. Pharmaceutical Development and Technology, 2019, 24, 812-823.	2.4	40
23	Preparation and in vitro evaluation of carrier erythrocytes for RES-targeted delivery of interferon-alpha 2b. International Journal of Pharmaceutics, 2007, 341, 125-133.	5.2	39
24	A Comparison between the Nephrotoxic Profile of Gentamicin and Gentamicin Nanoparticles in Mice. Journal of Biochemical and Molecular Toxicology, 2015, 29, 57-62.	3.0	37
25	Design, preparation, and in vitro characterization of a trimodally-targeted nanomagnetic onco-theranostic system for cancer diagnosis and therapy. International Journal of Pharmaceutics, 2016, 500, 62-76.	5.2	35
26	Comparison of the effectiveness of polyethylenimine, polyamidoamine and chitosan in transferring plasmid encoding interleukin-12 gene into hepatocytes. Macromolecular Research, 2013, 21, 1322-1330.	2.4	33
27	Controlled size synthesis and application of nanosphere MCM-41 as potent adsorber of drugs: A novel approach to new antidote agent for intoxication. Microporous and Mesoporous Materials, 2015, 213, 30-39.	4.4	33
28	Citric acid functionalized silane coupling versus post-grafting strategy for dual pH and saline responsive delivery of cisplatin by Fe3O4/carboxyl functionalized mesoporous SiO2 hybrid nanoparticles: A-synthesis, physicochemical and biological characterization. Materials Science and Engineering C, 2019, 104, 109922.	7.3	33
29	Nanostructure l-asparaginase-fatty acid bioconjugate: Synthesis, preformulation study and biological assessment. International Journal of Biological Macromolecules, 2013, 62, 180-187.	7.5	32
30	Theranostic mesoporous silica nanoparticles made of multi-nuclear gold or carbon quantum dots particles serving as pH responsive drug delivery system. Microporous and Mesoporous Materials, 2022, 329, 111512.	4.4	31
31	Formulation and in vitro evaluation of prednisolone buccoadhesive tablets. Il Farmaco, 2005, 60, 339-344.	0.9	30
32	A novel method to produce solid lipid nanoparticles using n-butanol as an additional co-surfactant according to the o/w microemulsion quenching technique. Chemistry and Physics of Lipids, 2013, 174, 32-38.	3.2	29
33	Analysis of the essential oil components from different Carum copticumL. samples from Iran. Pharmacognosy Research (discontinued), 2014, 6, 62.	0.6	29
34	Hybrid Scaffolds of Hyaluronic Acid and Collagen Loaded with Prednisolone: an Interesting System for Osteoarthritis. Advanced Pharmaceutical Bulletin, 2018, 8, 11-19.	1.4	29
35	In vitro and in vivo assessment of EDTA-modified silica nano-spheres with supreme capacity of iron capture as a novel antidote agent. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 745-753.	3.3	28
36	Nanoparticulate delivery of irinotecan active metabolite (SN38) in murine colorectal carcinoma through conjugation to poly (2-ethyl 2-oxazoline)-b-poly (L-glutamic acid) double hydrophilic copolymer. European Journal of Pharmaceutical Sciences, 2019, 136, 104941.	4.0	28

#	Article	IF	Citations
37	Conjugation of poly(amidoamine) dendrimers with various acrylates for improved delivery of plasmid encoding interleukin-12 gene. Journal of Biomaterials Applications, 2015, 29, 941-953.	2.4	27
38	Modulated cellular delivery of anti-VEGF siRNA (bevasiranib) by incorporating supramolecular assemblies of hydrophobically modified polyamidoamine dendrimer in stealth liposomes. International Journal of Pharmaceutics, 2016, 510, 30-41.	5.2	26
39	Piroxicam loaded solid lipid nanoparticles for topical delivery: Preparation, characterization and in vitro permeation assessment. Journal of Drug Delivery Science and Technology, 2018, 47, 427-433.	3.0	26
40	Preparation, optimization, and in-vitro/in-vivo/ex-vivo characterization of chitosan-heparin nanoparticles: drug-induced gelation. Journal of Pharmacy and Pharmacology, 2013, 65, 1118-1133.	2.4	25
41	Nose-to-brain delivery of sumatriptan-loaded nanostructured lipid carriers: preparation, optimization, characterization and pharmacokinetic evaluation. Journal of Pharmacy and Pharmacology, 2020, 72, 1341-1351.	2.4	25
42	in vitro- and in vivo Evaluation of Methotrexate-Loaded Hydrogel Nanoparticles Intended to Treat Primary CNS Lymphoma via Intranasal Administration. Journal of Pharmacy and Pharmaceutical Sciences, 2018, 21, 305-317.	2.1	24
43	Enhanced Intestinal Permeation of Doxorubicin Using Chitosan Nanoparticles. Advanced Pharmaceutical Bulletin, 2018, 8, 411-417.	1.4	24
44	Polymers Blending as Release Modulating Tool in Drug Delivery. Frontiers in Materials, 2021, 8, .	2.4	24
45	Preparation and Validation of Carrier Human Erythrocytes Loaded by Bovine Serum Albumin as a Model Antigen/Protein. Drug Delivery, 2007, 14, 295-300.	5.7	23
46	Effect of combination therapy of hydroxyurea with <scp>l</scp>â€carnitine and magnesium chloride on hematologic parameters and cardiac function of patients with Î²â€thalassemia intermedia. European Journal of Haematology, 2010, 84, 52-58.	2.2	22
47	Coreâ€“Shell Imidazolineâ€“Functionalized Mesoporous SilicaÂSuperparamagnetic Hybrid Nanoparticles as a Potential Theranostic Agent for Controlled Delivery of Platinum(II) Compound . International Journal of Nanomedicine, 2020, Volume 15, 2617-2631.	6.7	21
48	Co-encapsulation of a Drug with a Protein in Erythrocytes for Improved Drug Loading and Release: Phenytoin and Bovine Serum Albumin (BSA). Journal of Pharmacy and Pharmaceutical Sciences, 2011, 14, 46.	2.1	20
49	Effects of Quince syrup on clinical symptoms of children with symptomatic gastroesophageal reflux disease: A double-blind randomized controlled clinical trial. Complementary Therapies in Clinical Practice, 2015, 21, 268-276.	1.7	20
50	Poly(lactic-co-glycolic acid): The most ardent and flexible candidate in biomedicine!. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 1028-1049.	3.4	20
51	COVID-19 outbreak: Challenges in pharmacotherapy based on pharmacokinetic and pharmacodynamic aspects of drug therapy in patients with moderate to severe infection. Heart and Lung: Journal of Acute and Critical Care, 2020, 49, 763-773.	1.6	19
52	Assessment of pH Responsive Delivery of Methotrexate Based on PHEMA-st-PEG-DA Nanohydrogels. Macromolecular Research, 2021, 29, 54-61.	2.4	19
53	Ethosomes as dermal/transdermal drug delivery systems: applications, preparation and characterization. Journal of Liposome Research, 2023, 33, 34-52.	3.3	18
54	Design and cell cytotoxicity assessment of palmitoylated polyethylene glycolâ€grafted chitosan as nanomicelle carrier for paclitaxel. Journal of Applied Polymer Science, 2016, 133, .	2.6	17

#	Article	IF	Citations
55	Integrin receptor mediated pH-responsive nano-hydrogel based on histidine-modified poly(aminoethyl) Tj ETQq1 1 0.784314 rgBT /Over Technology, 2021, 62, 102402.	3.0	17
56	"Grafting-from" synthesis and characterization of poly (2-ethyl-2-oxazoline)-b-poly (benzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	1.5	17
57	Cholesterol-conjugated supramolecular assemblies of low generations polyamidoamine dendrimers for enhanced EGFP plasmid DNA transfection. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	16
58	New Candidate Delivery System for Alzheimerâ€™s Disease: Deferoxamine Nanogels. Biointerface Research in Applied Chemistry, 2020, 10, 7106-7119.	1.0	16
59	Effect of lipid composition on incorporation of trastuzumab-PEG-lipid into nanoliposomes by post-insertion method: physicochemical and cellular characterization. Journal of Liposome Research, 2016, 26, 1-13.	3.3	15
60	Controlled-release in-situ gel forming formulation of tramadol containing chitosan-based pro-nanogels. International Journal of Biological Macromolecules, 2018, 118, 1449-1454.	7.5	15
61	Hierarchical mesoporous zinc-imidazole dicarboxylic acid MOFs: Surfactant-directed synthesis, pH-responsive degradation, and drug delivery. International Journal of Pharmaceutics, 2021, 602, 120685.	5.2	15
62	An Approach to Controlled-Release Dosage Form of Propranolol Hydrochloride. Drug Development and Industrial Pharmacy, 2000, 26, 91-94.	2.0	14
63	Preparation and in-vitro characterization of tramadol-loaded carrier erythrocytes for long-term intravenous delivery. Journal of Pharmacy and Pharmacology, 2011, 63, 322-332.	2.4	14
64	Randomized and double-blinded clinical trial of the safety and calcium kidney stone dissolving efficacy of Lapis judaicus. Journal of Ethnopharmacology, 2014, 156, 82-87.	4.1	14
65	Preparation and characterization of sumatriptan loaded solid lipid nanoparticles for transdermal delivery. Journal of Drug Delivery Science and Technology, 2020, 57, 101719.	3.0	14
66	A novel approach to the application of hexagonal mesoporous silica in solid-phase extraction of drugs. Heliyon, 2018, 4, e00930.	3.2	13
67	Efficacy of a hybrid system of hyaluronic acid and collagen loaded with prednisolone and TGF-Î²3 for cartilage regeneration in rats. Journal of Drug Delivery Science and Technology, 2019, 51, 55-62.	3.0	13
68	Formulation and in vitro evaluation of a fast-disintegrating/sustained dual release bucoadhesive bilayer tablet of captopril for treatment of hypertension crises. Research in Pharmaceutical Sciences, 2016, 11, 274.	1.8	13
69	Meloxicam transdermal delivery: effect of eutectic point on the rate and extent of skin permeation. Iranian Journal of Basic Medical Sciences, 2014, 17, 112-8.	1.0	13
70	Drug-based therapeutic strategies for COVID-19-infected patients and their challenges. Future Microbiology, 2021, 16, 1415-1451.	2.0	12
71	A simple and validated HPLC method for vancomycin assay in plasma samples: the necessity of TDM center development in Southern Iran. Research in Pharmaceutical Sciences, 2020, 15, 529.	1.8	11
72	Mechanistic Assessment of Functionalized Mesoporous Silica-Mediated Insulin Fibrillation. Journal of Physical Chemistry B, 2020, 124, 1637-1652.	2.6	10

#	Article	IF	Citations
73	Single-chain antibody-decorated Au nanocages@liposomal layer nanoprobes for targeted SERS imaging and remote-controlled photothermal therapy of melanoma cancer cells. Materials Science and Engineering C, 2021, 124, 112086.	7.3	10
74	Simvastatin-chitosan-citicoline conjugates nanoparticles as the co-delivery system in Alzheimer susceptible patients. International Journal of Biological Macromolecules, 2020, 156, 1396-1407.	7.5	9
75	The effects of some permeability enhancers on the percutaneous absorption of lidocaine. Pakistan Journal of Pharmaceutical Sciences, 2010, 23, 83-8.	0.2	9
76	A simple and rapid HPLC method for quantitation of interferon-Î±2b in dosage forms and delivery systems. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 199-203.	2.3	8
77	Hydatid cyst formation in male Balb/c mice following the intraperitoneal injection of live protoscoleces and activated oncospheres: a comparative study. Journal of Parasitic Diseases, 2014, 38, 77-80.	1.0	8
78	Microencapsulation of (deoxythymidine)₂₀â€"DOTAP complexes in stealth liposomes optimized by Taguchi design. Journal of Liposome Research, 2015, 25, 67-77.	3.3	8
79	Brain targeted delivery of sumatriptan succinate loaded chitosan nanoparticles: Preparation, In vitro characterization, and (Neuro-)pharmacokinetic evaluations. Journal of Drug Delivery Science and Technology, 2021, 61, 102179.	3.0	8
80	Trachyspermum ammi 10Â% topical cream versus placebo on neuropathic pain, a randomized, double-blind, placebo-controlled trial. Neurological Sciences, 2016, 37, 1449-1455.	1.9	7
81	Synthesis and in vitro assessment of novel waterâ€soluble dextranâ€docetaxel conjugates as potential p<scp>H</scp> sensitive system for tumorâ€targeted delivery. Journal of Applied Polymer Science, 2017, 134, 45457.	2.6	7
82	Synthesis and Characterization of Water-soluble Conjugates of Cabazitaxel Hemiesters-Dextran. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 1555-1562.	1.7	7
83	Hydrolytic stabilization of irinotecan active metabolite (SN38) against physiologic pH through self-assembly of conjugated poly (2-oxazoline) - poly (l-amino acid) block copolymer: A-synthesis and physicochemical characterization. Journal of Drug Delivery Science and Technology, 2020, 60, 101933.	3.0	6
84	A brief ICU residentsâ€™ guide: Pharmacotherapy, pharmacokinetic aspects and dose adjustments in critically ill adult patients admitted to ICU. Trends in Anaesthesia and Critical Care, 2021, 41, 11-31.	0.9	6
85	Novel topical drug delivery systems in acne management: Molecular mechanisms and role of targeted delivery systems for better therapeutic outcomes. Journal of Drug Delivery Science and Technology, 2022, 74, 103595.	3.0	6
86	Enhanced oral bioavailability of paclitaxel by concomitant use of absorption enhancers and P-glycoprotein inhibitors in rats. Journal of Chemotherapy, 2013, 25, 355-361.	1.5	5
87	Data on cell growth inhibition induced by anti-VEGF siRNA delivered by Stealth liposomes incorporating G2 PAMAM-cholesterol versus MetafecteneÂ® as a function of exposure time and siRNA concentration. Data in Brief, 2016, 8, 1018-1023.	1.0	4
88	Effects of phosphate supplementation on Pseudomonas aeruginosa invasive behavior in burn wound infections: A simple approach to a big problem. Burns, 2016, 42, 428-433.	1.9	4
89	In vitro effect of artemether-loaded nanostructured lipid carrier (NLC) on Leishmania infantum. Journal of Parasitic Diseases, 2021, 45, 964-971.	1.0	4
90	Synthesis, cytotoxicity assay, In vivo pharmacokinetics, biodistribution and modeling study of cabazitaxel-dextran nanoconjugates: targeted vs non targeted delivery. Colloids and Surfaces B: Biointerfaces, 2021, 209, 112187.	5.0	4

#	Article	IF	Citations
91	Artemether-loaded nanostructured lipid carriers: preparation, characterization, and evaluation of in vitro effect on Leishmania major. Research in Pharmaceutical Sciences, 2021, 16, 623.	1.8	3
92	Oxybutynin-Nanoemulgel Formulation as a Successful Skin Permeation Strategy: In-vitro and ex-vivo Evaluation. Frontiers in Materials, 2022, 9, .	2.4	3
93	Psychiatric Adverse Drug Reactions and Potential Anti-COVID-19 Drug Interactions with Psychotropic Medications.. Iranian Journal of Pharmaceutical Research, 2021, 20, 66-77.	0.5	3
94	Effect of Polysorbates on Atenolol Release from Film-Coated Tablets. Drug Development and Industrial Pharmacy, 1999, 25, 513-516.	2.0	2
95	Elemental analysis, physicochemical characterization and lithontriptic properties of Lapis judaicus. Pharmacognosy Journal, 2013, 5, 94-96.	0.8	2
96	Hyaluronic Acid Scaffolds and Injectable Gels for Healing of Induced Arthritis in Rat Knee: Effect of Prednisolone Revisited. Regenerative Engineering and Translational Medicine, 2021, 7, 393-404.	2.9	2
97	Preparation and evaluation of an oral mucoadhesive gel containing nystatin-loaded alginate microparticles. European Pharmaceutical Journal, 2020, 67, 15-21.	0.3	2
98	Comparison of celecoxib and acetaminophen for pain relief in pediatric day case tonsillectomy: A randomized doubleâ€blind study. Laryngoscope Investigative Otolaryngology, 2021, 6, 1307-1315.	1.5	2
99	The necessity of early anti-inflammatory therapy initiation in cases with mild-to-moderate COVID-19: A personal experience from an attending pharmacist and his resident. Acta Biomedica, 2021, 92, e2021250.	0.3	2
100	Healing Effect of Lamotrigine on Repair of Damaged Sciatic Nerve in Rabbit. Journal of Applied Animal Research, 2009, 36, 243-249.	1.2	1
101	Antiulcer Activity after Oral Administration of the Wormwood Ethanol Extract on Lesions due to <I>Leishmania major</I> Parasites in BALB/C Mice. Asian Journal of Pharmaceutical Research and Health Care, 2016, 8, 33.	0.1	1
102	Development and Assessment of a Gas Chromatographic Based Method for the Quantification of Thymol from Cream Based Formulation. Current Drug Discovery Technologies, 2016, 13, 77-83.	1.2	1
103	Engraftment of plasma membrane vesicles into liposomes: A new method for designing of liposome-based vaccines. Iranian Journal of Basic Medical Sciences, 2014, 17, 772-8.	1.0	1
104	In vitro DNA plasmid condensation and transfection through pH-responsive nanohydrogel. Progress in Biomaterials, 2022, 11, 219-227.	4.5	1
105	Fatty acid-peptide-bioconjugated micellar nanocarrier as a new delivery system for l-asparaginase: multi-criteria optimization, characterization, and pharmacokinetic study. Colloid and Polymer Science, 2021, 299, 153-164.	2.1	0