

# Alireza Vatanara

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76 papers	1,496 citations	21 h-index	35 g-index
78 ext. papers	1,809 ext. citations	3.9 avg, IF	4.76 L-index

#	Paper	IF	Citations
76	Spray freeze drying to solidify Nanosuspension of Cefixime into inhalable microparticles.. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2022</b> , 1	3.9	0
75	In Vitro-In Vivo Correlation for the Antibacterial Effect of Lactiplantibacillus plantarum as a Topical Healer for Infected Burn Wound.. <i>Probiotics and Antimicrobial Proteins</i> , <b>2022</b> , 1	5.5	1
74	Formulation and evaluation of inhalable microparticles of Rizatriptan Benzoate processed by spray freeze-drying. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 62, 102356	4.5	0
73	Topical Nifedipine for the Treatment of Pressure Ulcer: A Randomized, Placebo-Controlled Clinical Trial. <i>American Journal of Therapeutics</i> , <b>2021</b> , 28, e41-e51	1	2
72	Novel combined topical gel of lidocaine-verapamil-nitroglycerin can dilate the radial artery and reduce radial pain during trans-radial angioplasty. <i>IJC Heart and Vasculature</i> , <b>2021</b> , 32, 100689	2.4	0
71	Preparation and evaluation of adapalene nanostructured lipid carriers for targeted drug delivery in acne. <i>Dermatologic Therapy</i> , <b>2021</b> , 34, e14777	2.2	1
70	Spray Freeze-Drying for inhalation application: Process and Formulation Variables.. <i>Pharmaceutical Development and Technology</i> , <b>2021</b> , 1-29	3.4	0
69	Hydroxypropyl beta cyclodextrin: a water-replacement agent or a surfactant upon spray freeze-drying of IgG with enhanced stability and aerosolization. <i>Drug Development and Industrial Pharmacy</i> , <b>2020</b> , 46, 403-411	3.6	9
68	In-vitro and in-vivo comparison of rSAG1-loaded PLGA prepared by encapsulation and adsorption methods as an efficient vaccine against Toxoplasma gondii. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 55, 101327	4.5	4
67	Improvement of memory deficits in the rat model of Alzheimer's disease by erythropoietin-loaded solid lipid nanoparticles. <i>Neurobiology of Learning and Memory</i> , <b>2019</b> , 166, 107082	3.1	21
66	Amino acid-based stable adalimumab formulation in spray freeze-dried microparticles for pulmonary delivery. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 54, 101249	4.5	4
65	Doxorubicin and Anti-PD-L1 Antibody Conjugated Gold Nanoparticles for Colorectal Cancer Photochemotherapy. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1184-1199	5.6	72
64	Formation of nanosuspensions in bottom-up approach: theories and optimization. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 27, 451-473	3.9	15
63	Respiratory Administration of Infliximab Dry Powder for Local Suppression of Inflammation. <i>AAPS PharmSciTech</i> , <b>2019</b> , 20, 128	3.9	9
62	Erythropoietin-loaded solid lipid nanoparticles: Preparation, optimization, and in vivo evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 178, 307-316	6	12
61	Optimization of Stable IgG Formulation Containing Amino Acids and Trehalose During Freeze-Drying and After Storage: a Central Composite Design. <i>AAPS PharmSciTech</i> , <b>2019</b> , 20, 154	3.9	4
60	Tadalafil nanocomposites as a dry powder formulation for inhalation, a new strategy for pulmonary arterial hypertension treatment. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 133, 275-286	5.1	7

59	Application of disaccharides alone and in combination, for the improvement of stability and particle properties of spray-freeze dried IgG. <i>Pharmaceutical Development and Technology</i> , <b>2019</b> , 24, 439-447	3.4	2
58	Human Serum Albumin, a Suitable Candidate to Stabilize Freeze-Dried IgG in Combination with Trehalose: Central Composite Design. <i>AAPS PharmSciTech</i> , <b>2019</b> , 20, 327	3.9	
57	Optimization of a dry powder inhaler of ciprofloxacin-loaded polymeric nanomicelles by spray drying process. <i>Pharmaceutical Development and Technology</i> , <b>2019</b> , 24, 584-592	3.4	13
56	Effect of amino acids on the stability of spray freeze-dried immunoglobulin G in sugar-based matrices. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 119, 39-48	5.1	16
55	Preparation of an optimized ciprofloxacin-loaded chitosan nanomicelle with enhanced antibacterial activity. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 1273-1284	3.6	17
54	Spray-Freeze Drying: a Suitable Method for Aerosol Delivery of Antibodies in the Presence of Trehalose and Cyclodextrins. <i>AAPS PharmSciTech</i> , <b>2018</b> , 19, 2247-2254	3.9	16
53	Topical pentoxifylline for pressure ulcer treatment: a randomised, double-blind, placebo-controlled clinical trial. <i>Journal of Wound Care</i> , <b>2018</b> , 27, 495-502	2.2	3
52	Drying Technologies for the Stability and Bioavailability of Biopharmaceuticals. <i>Pharmaceutics</i> , <b>2018</b> , 10,	6.4	94
51	Porous Microparticles Containing Raloxifene Hydrochloride Tailored by Spray Freeze Drying for Solubility Enhancement. <i>Advanced Pharmaceutical Bulletin</i> , <b>2018</b> , 8, 217-223	4.5	3
50	The effect of freeze-dried antibody concentrations on its stability in the presence of trehalose and hydroxypropyl-β-cyclodextrin: a Box-Behnken statistical design. <i>Pharmaceutical Development and Technology</i> , <b>2017</b> , 22, 724-732	3.4	7
49	Systemic delivery of parathyroid hormone (1-34) using spray freeze-dried inhalable particles. <i>Pharmaceutical Development and Technology</i> , <b>2017</b> , 22, 733-739	3.4	13
48	Brain delivery of baclofen as a hydrophilic drug by nanolipid carriers: Characteristics and pharmacokinetics evaluation. <i>Journal of Drug Delivery Science and Technology</i> , <b>2017</b> , 37, 67-73	4.5	8
47	Application of cyclodextrins in antibody microparticles: potentials for antibody protection in spray drying. <i>Drug Development and Industrial Pharmacy</i> , <b>2017</b> , 43, 1103-1111	3.6	21
46	Encapsulation of ritonavir in solid lipid nanoparticles: in-vitro anti-HIV-1 activity using lentiviral particles. <i>Journal of Pharmacy and Pharmacology</i> , <b>2017</b> , 69, 1002-1009	4.8	27
45	Optimization and characterization of spray-dried IgG formulations: a design of experiment approach. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 25, 22	3.9	12
44	Effect of molecular weight and ratio of poly ethylene glycols' derivatives in combination with trehalose on stability of freeze-dried IgG. <i>Drug Development and Industrial Pharmacy</i> , <b>2017</b> , 43, 1945-1951	3.6	3
43	Preparation and physicochemical evaluation of transdermal aerosols containing ketoprofen. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2017</b> , 16, 1813	0.8	1
42	Enhanced Dissolution Rate of Tadalafil Nanoparticles Prepared by Sonoprecipitation Technique: Optimization and Physicochemical Investigation. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2017</b> , 16, 1335-1348	1.1	3

41	Acknowledgement of manuscript reviewers 2015. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 24, 1	3.9	5
40	Spray drying of cefixime nanosuspension to form stabilized and fast dissolving powder. <i>Powder Technology</i> , <b>2016</b> , 288, 241-248	5.2	26
39	Inhaled sildenafil nanocomposites: lung accumulation and pulmonary pharmacokinetics. <i>Pharmaceutical Development and Technology</i> , <b>2016</b> , 21, 961-971	3.4	10
38	The effect of excipients on the stability and aerosol performance of salmon calcitonin dry powder inhalers prepared via the spray freeze drying process. <i>Acta Pharmaceutica</i> , <b>2016</b> , 66, 207-18	3.2	13
37	A Comparative Study to Evaluate the Effect of Different Carbohydrates on the Stability of Immunoglobulin G during Lyophilization and Following Storage <b>2016</b> , 22, 251-259		8
36	D-optimal Design for Preparation and Optimization of Fast Dissolving Bosentan Nanosuspension. <i>Advanced Pharmaceutical Bulletin</i> , <b>2016</b> , 6, 211-8	4.5	15
35	Synergistic effect of rSAG1 and rGRA2 antigens formulated in PLGA microspheres in eliciting immune protection against <i>Toxoplasma gondii</i> . <i>Experimental Parasitology</i> , <b>2016</b> , 170, 236-246	2.1	21
34	Solubilities of four macrolide antibiotics in supercritical carbon dioxide and their correlations using semi-empirical models. <i>Journal of Supercritical Fluids</i> , <b>2015</b> , 104, 62-69	4.2	24
33	Production of ultrafine clobetasol propionate via rapid expansion of supercritical solution (RESS): Full factorial approach. <i>Journal of Supercritical Fluids</i> , <b>2015</b> , 101, 176-183	4.2	14
32	Formation and Characterization of Beclomethasone Dipropionate Nanoparticles Using Rapid Expansion of Supercritical Solution. <i>Advanced Pharmaceutical Bulletin</i> , <b>2015</b> , 5, 343-9	4.5	8
31	Optimization of Cefixime Nanosuspension to Improve Drug Dissolution. <i>Pharmaceutical Sciences</i> , <b>2015</b> , 21, 136-144		3
30	Development and evaluation of a new semi-empirical model for correlation of drug solubility in supercritical CO <sub>2</sub> . <i>Fluid Phase Equilibria</i> , <b>2014</b> , 363, 18-26	2.5	51
29	The use of amino acids to prepare physically and conformationally stable spray-dried IgG with enhanced aerosol performance. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 466, 163-71	6.5	31
28	A comparative study on the physicochemical and biological stability of IgG1 and monoclonal antibodies during spray drying process. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 22, 31	3.9	16
27	Inhalable budesonide porous microparticles tailored by spray freeze drying technique. <i>Powder Technology</i> , <b>2014</b> , 260, 36-41	5.2	24
26	Clarithromycin dissolution enhancement by preparation of aqueous nanosuspensions using sonoprecipitation technique. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2014</b> , 13, 809-18	1.1	11
25	The effective encapsulation of a hydrophobic lipid-insoluble drug in solid lipid nanoparticles using a modified double emulsion solvent evaporation method. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 408-14	6	40
24	Solubility of megestrol acetate and levonorgestrel in supercritical carbon dioxide. <i>Thermochimica Acta</i> , <b>2013</b> , 569, 48-54	2.9	12

23	Preparation, characterization and optimization of sildenafil citrate loaded PLGA nanoparticles by statistical factorial design. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 21, 68	3.9	40
22	Effect of formulation ingredients on the physical characteristics of salmeterol xinafoate microparticles tailored by spray freeze drying. <i>Advanced Powder Technology</i> , <b>2013</b> , 24, 36-42	4.6	21
21	Measurement and correlation of the solubility of two steroid drugs in supercritical carbon dioxide using semi empirical models. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 78, 28-33	4.2	21
20	Screening and evaluation of variables in the formation of antibody particles by spray drying. <i>Powder Technology</i> , <b>2013</b> , 233, 341-346	5.2	15
19	Optimization of supercritical extraction of <i>Pimpinella affinis</i> Ledeb. using response surface methodology. <i>Journal of CO2 Utilization</i> , <b>2013</b> , 3-4, 1-6	7.6	9
18	Loading hydrophilic drug in solid lipid media as nanoparticles: statistical modeling of entrapment efficiency and particle size. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 424, 128-37	6.5	95
17	Production of ultrafine drug particles through rapid expansion of supercritical solution; a statistical approach. <i>Powder Technology</i> , <b>2012</b> , 225, 21-26	5.2	25
16	Process variables in the formation of nanoparticles of megestrol acetate through rapid expansion of supercritical CO2. <i>Journal of Supercritical Fluids</i> , <b>2012</b> , 70, 1-7	4.2	20
15	Drying of a plasmid containing formulation: chitosan as a protecting agent. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 20, 22	3.9	5
14	Drying of a plasmid containing formulation: chitosan as a protecting agent. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 20, 29	3.9	0
13	Solubility of capecitabine and docetaxel in supercritical carbon dioxide: Data and the best correlation. <i>Thermochimica Acta</i> , <b>2012</b> , 549, 95-101	2.9	18
12	Comparison of Essential Oil Composition of <i>Eucalyptus Oleosa</i> Obtained by Supercritical Carbon Dioxide and Hydrodistillation. <i>Journal of Herbs, Spices and Medicinal Plants</i> , <b>2012</b> , 18, 318-330	0.9	18
11	Entrapment of 5-fluorouracil into PLGA matrices using supercritical antisolvent processes. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 500-6	4.8	13
10	Delivery of a cocktail DNA vaccine encoding cysteine proteinases type I, II and III with solid lipid nanoparticles potentiate protective immunity against <i>Leishmania major</i> infection. <i>Journal of Controlled Release</i> , <b>2011</b> , 153, 154-62	11.7	56
9	Paromomycin loaded solid lipid nanoparticles: Characterization of production parameters. <i>Biotechnology and Bioprocess Engineering</i> , <b>2011</b> , 16, 617-623	3.1	21
8	C-terminal domain deletion enhances the protective activity of cpα/cpβ loaded solid lipid nanoparticles against <i>Leishmania major</i> in BALB/c mice. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e12364.8	4.8	17
7	Cationic solid lipid nanoparticles loaded by cysteine proteinase genes as a novel anti-leishmaniasis DNA vaccine delivery system: characterization and in vitro evaluations. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2010</b> , 13, 320-35	3.4	38
6	Preparation of 5-fluorouracil nanoparticles by supercritical antisolvents for pulmonary delivery. <i>International Journal of Nanomedicine</i> , <b>2010</b> , 5, 763-70	7.3	41

5	Solubilities of Flutamide, Dutasteride, and Finasteride as Antiandrogenic Agents, in Supercritical Carbon Dioxide: Measurement and Correlation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1056-1059	2.8	17
4	Monitoring of trace amounts of some anti-fungal drugs in biological fluids by hollow fiber based liquid phase microextraction followed by high performance liquid chromatography. <i>Analytical Methods</i> , <b>2010</b> , 2, 387	3.2	31
3	Supercritical CO <sub>2</sub> and highly selective aromatase inhibitors: Experimental solubility and empirical data correlation. <i>Journal of Supercritical Fluids</i> , <b>2009</b> , 50, 203-209	4.2	44
2	Solubility of some statin drugs in supercritical carbon dioxide and representing the solute solubility data with several density-based correlations. <i>Journal of Supercritical Fluids</i> , <b>2007</b> , 41, 187-194	4.2	89
1	Extraction and preconcentration of salbutamol and terbutaline from aqueous samples using hollow fiber supported liquid membrane containing anionic carrier. <i>Journal of Chromatography A</i> , <b>2006</b> , 1124, 57-67	4.5	89