

Francesca Buttini

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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

1,453
citations

22
h-index

35
g-index

88
ext. papers

1,814
ext. citations

5.8
avg, IF

4.63
L-index

#	Paper	IF	Citations
76	A respirable HPV-L2 dry-powder vaccine with GLA as amphiphilic lubricant and immune-adjuvant. <i>Journal of Controlled Release</i> , 2021 , 340, 209-220	11.7	6
75	Inhalable Microparticles Embedding Calcium Phosphate Nanoparticles for Heart Targeting: The Formulation Experimental Design. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
74	Resistant Tuberculosis: the Latest Advancements of Second-line Antibiotic Inhalation Products. <i>Current Pharmaceutical Design</i> , 2021 , 27, 1436-1452	3.3	2
73	Hybrid Nanoparticles as a Novel Tool for Regulating Psychosine-Induced Neuroinflammation and Demyelination In Vitro and Ex vivo. <i>Neurotherapeutics</i> , 2021 , 1	6.4	1
72	Pulmonary delivery of a p38 β MAP kinase inhibitor: bioanalytical method validation and biodistribution in rat plasma and respiratory tissues. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 149, 105341	5.1	0
71	Carrageenan from red algae: an application in the development of inhalable tuberculosis therapy targeting the macrophages. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 1675-1687	6.2	7
70	Inhalable Spray-Dried Chondroitin Sulphate Microparticles: Effect of Different Solvents on Particle Properties and Drug Activity. <i>Polymers</i> , 2020 , 12,	4.5	9
69	Evaluation of the Physico-mechanical Properties and Electrostatic Charging Behavior of Different Capsule Types for Inhalation Under Distinct Environmental Conditions. <i>AAPS PharmSciTech</i> , 2020 , 21, 128	3.9	2
68	Excipient-free pulmonary insulin dry powder: Pharmacokinetic and pharmacodynamics profiles in rats. <i>Journal of Controlled Release</i> , 2020 , 323, 412-420	11.7	9
67	Micro/nanosystems and biomaterials for controlled delivery of antimicrobial and anti-biofilm agents. <i>Expert Opinion on Therapeutic Patents</i> , 2020 , 30, 983-1000	6.8	6
66	Consequences of not-shaking and shake-fire delays on the emitted dose of some commercial solution and suspension pressurized metered dose inhalers. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 1025-1039	8	5
65	Anti-inflammatory flurbiprofen nasal powders for nose-to-brain delivery in Alzheimer's disease. <i>Journal of Drug Targeting</i> , 2019 , 27, 984-994	5.4	10
64	Lipid-core nanocapsules are an alternative to the pulmonary delivery and to increase the stability of statins. <i>Journal of Microencapsulation</i> , 2019 , 36, 317-326	3.4	7
63	Sodium Hyaluronate Nanocomposite Respirable Microparticles to Tackle Antibiotic Resistance with Potential Application in Treatment of Mycobacterial Pulmonary Infections. <i>Pharmaceutics</i> , 2019 , 11,	6.4	15
62	Inhalable chitosan microparticles for simultaneous delivery of isoniazid and rifabutin in lung tuberculosis treatment. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 1313-1320	3.6	20
61	Dry powder inhaler of colistimethate sodium for lung infections in cystic fibrosis: optimization of powder construction. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 1664-1673	3.6	5
60	Aerosolization Performance of Jet Nebulizers and Biopharmaceutical Aspects. <i>Pharmaceutics</i> , 2019 , 11,	6.4	10

59	The Impact of Lipid Corona on Rifampicin Intramacrophagic Transport Using Inhaled Solid Lipid Nanoparticles Surface-Decorated with a Mannosylated Surfactant. <i>Pharmaceutics</i> , 2019 , 11,	6.4	13
58	100 Years of Drug Delivery to the Lungs. <i>Handbook of Experimental Pharmacology</i> , 2019 , 260, 143-159	3.2	16
57	Newly synthesized surfactants for surface mannosylation of respirable SLN assemblies to target macrophages in tuberculosis therapy. <i>Drug Delivery and Translational Research</i> , 2019 , 9, 298-310	6.2	25
56	Nebulized coenzyme Q nanosuspensions: A versatile approach for pulmonary antioxidant therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 113, 159-170	5.1	18
55	Opportunity and challenges of nasal powders: Drug formulation and delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 113, 2-17	5.1	44
54	Surface-Modified Nanocarriers for Nose-to-Brain Delivery: From Bioadhesion to Targeting. <i>Pharmaceutics</i> , 2018 , 10,	6.4	145
53	Inhalable Fucoidan Microparticles Combining Two Antitubercular Drugs with Potential Application in Pulmonary Tuberculosis Therapy. <i>Polymers</i> , 2018 , 10,	4.5	21
52	Spray-dried fucoidan microparticles for pulmonary delivery of antitubercular drugs. <i>Journal of Microencapsulation</i> , 2018 , 35, 392-405	3.4	7
51	Dose administration maneuvers and patient care in tobramycin dry powder inhalation therapy. <i>International Journal of Pharmaceutics</i> , 2018 , 548, 182-191	6.5	14
50	The application of Quality by Design framework in the pharmaceutical development of dry powder inhalers. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 113, 64-76	5.1	24
49	Dry powders for the inhalation of ciprofloxacin or levofloxacin combined with a mucolytic agent for cystic fibrosis patients. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 1378-1389	3.6	20
48	Surface engineering of Solid Lipid Nanoparticle assemblies by methyl β -mannopyranoside for the active targeting to macrophages in anti-tuberculosis inhalation therapy. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 440-451	6.5	33
47	Engineered sodium hyaluronate respirable dry powders for pulmonary drug delivery. <i>International Journal of Pharmaceutics</i> , 2017 , 517, 286-295	6.5	31
46	Multi-kinetics and site-specific release of gabapentin and flurbiprofen from oral fixed-dose combination: in vitro release and in vivo food effect. <i>Journal of Controlled Release</i> , 2017 , 262, 296-304	11.7	5
45	Dual antibiotherapy of tuberculosis mediated by inhalable locust bean gum microparticles. <i>International Journal of Pharmaceutics</i> , 2017 , 529, 433-441	6.5	19
44	Floating modular drug delivery systems with buoyancy independent of release mechanisms to sustain amoxicillin and clarithromycin intra-gastric concentrations. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 332-9	3.6	12
43	Esomeprazole immediate release tablets: Gastric mucosa ex vivo permeation, absorption and antisecretory activity in conscious rats. <i>Journal of Controlled Release</i> , 2016 , 239, 203-10	11.7	8
42	Combinations of colistin solutions and nebulisers for lung infection management in cystic fibrosis patients. <i>International Journal of Pharmaceutics</i> , 2016 , 502, 242-8	6.5	15

41	Multivariate Analysis of Effects of Asthmatic Patient Respiratory Profiles on the In Vitro Performance of a Reservoir Multidose and a Capsule-Based Dry Powder Inhaler. <i>Pharmaceutical Research</i> , 2016 , 33, 701-15	4.5	8
40	Loco-regional administration of nanomedicines for the treatment of lung cancer. <i>Drug Delivery</i> , 2016 , 23, 2881-2896	7	26
39	Effect of Flow Rate on In Vitro Aerodynamic Performance of NEXThaler(®) in Comparison with Diskus(®) and Turbohaler(®) Dry Powder Inhalers. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2016 , 29, 167-78	3.8	53
38	Formulation Strategies for Antitubercular Drugs by Inhalation 2016 , 197-212		1
37	Overview on gastroretentive drug delivery systems for improving drug bioavailability. <i>International Journal of Pharmaceutics</i> , 2016 , 510, 144-58	6.5	131
36	Accessorized DPI: a Shortcut towards Flexibility and Patient Adaptability in Dry Powder Inhalation. <i>Pharmaceutical Research</i> , 2016 , 33, 3012-3020	4.5	6
35	Solid Lipid Nanoparticle assemblies (SLNas) for an anti-TB inhalation treatment-A Design of Experiments approach to investigate the influence of pre-freezing conditions on the powder respirability. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 669-679	6.5	32
34	Ex vivo permeation of tamoxifen and its 4-OH metabolite through rat intestine from lecithin/chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2015 , 491, 99-104	6.5	36
33	Spray-dried amikacin sulphate powder for inhalation in cystic fibrosis patients: The role of ethanol in particle formation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 93, 165-72	5.7	38
32	"Pierce and inhale" design in capsule based dry powder inhalers: Effect of capsule piercing and motion on aerodynamic performance of drugs. <i>International Journal of Pharmaceutics</i> , 2015 , 487, 197-204	6.5	30
31	High shear mixing of lactose and salmeterol xinafoate dry powder blends: Biopharmaceutic and aerodynamic performances. <i>Journal of Drug Delivery Science and Technology</i> , 2015 , 30, 443-449	4.5	7
30	Drug Delivery Strategies for Pulmonary Administration of Antibiotics 2015 , 241-262		3
29	Dissolution: A Critical Performance Characteristic of Inhaled Products? 2015 , 223-240		3
28	Formulating powder-device combinations for salmeterol xinafoate dry powder inhalers. <i>International Journal of Pharmaceutics</i> , 2015 , 490, 360-7	6.5	18
27	Differences in physical chemistry and dissolution rate of solid particle aerosols from solution pressurised inhalers. <i>International Journal of Pharmaceutics</i> , 2014 , 465, 42-51	6.5	35
26	Spray dried amikacin powder for inhalation in cystic fibrosis patients: a quality by design approach for product construction. <i>International Journal of Pharmaceutics</i> , 2014 , 471, 507-15	6.5	36
25	Pure insulin highly respirable powders for inhalation. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 51, 110-7	5.1	30
24	Towards the bioequivalence of pressurised metered dose inhalers 1: design and characterisation of aerodynamically equivalent beclomethasone dipropionate inhalers with and without glycerol as a non-volatile excipient. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 86, 31-7	5.7	21

23	Effect of polymers for aerolization properties of mannitol-based microcomposites containing meloxicam. <i>European Polymer Journal</i> , 2013 , 49, 2518-2527	5.2	27
22	Complex product composition generates risks for generic substitution also with dosage forms for intravenous administration. <i>International Journal of Pharmaceutics</i> , 2013 , 451, 50-6	6.5	3
21	Lecithin/chitosan controlled release nanopreparations of tamoxifen citrate: loading, enzyme-trigger release and cell uptake. <i>Journal of Controlled Release</i> , 2013 , 167, 276-83	11.7	47
20	Quality of Inhalation Products: Specifications 2013 , 169-190		1
19	Aerodynamic Assessment for Inhalation Products: Fundamentals and Current Pharmacopoeial Methods 2013 , 91-119		7
18	Inhalation Drug Delivery 2013 , 1-14		5
17	Inhalation and Nasal Products 2013 , 15-30		0
16	Formulation of Inhalation Medicines 2013 , 31-45		3
15	Methods for Understanding, Controlling, Predicting, and Improving Drug Product Performance 2013 , 63-89		
14	Novel Particle Production Technologies for Inhalation Products 2013 , 47-62		4
13	Proteins, Peptides, and Controlled-Release Formulations for Inhalation 2013 , 121-144		1
12	Pharmaceutical development studies for inhalation products 2013 , 145-168		
11	Multiple dosing of simvastatin inhibits airway mucus production of epithelial cells: implications in the treatment of chronic obstructive airway pathologies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 84, 566-72	5.7	20
10	Biological In Vitro Models for Absorption by Non-Oral Routes 2013 ,		1
9	2013 ,		3
8	Particles and powders: tools of innovation for non-invasive drug administration. <i>Journal of Controlled Release</i> , 2012 , 161, 693-702	11.7	49
7	Critical characteristics for corticosteroid solution metered dose inhaler bioequivalence. <i>Molecular Pharmaceutics</i> , 2012 , 9, 563-9	5.6	38
6	Chapter 5.2:Nanostructures for Overcoming the Pulmonary Barrier: Drug Delivery Strategies. <i>RSC Drug Discovery Series</i> , 2012 , 273-299	0.6	2

5	Layered lipid microcapsules for mesalazine delayed-release in children. <i>International Journal of Pharmaceutics</i> , 2011 , 421, 293-300	6.5	18
4	Pulmonary spray dried powders of tobramycin containing sodium stearate to improve aerosolization efficiency. <i>Pharmaceutical Research</i> , 2009 , 26, 1084-92	4.5	47
3	Multilayer PVA adsorption onto hydrophobic drug substrates to engineer drug-rich microparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 33, 20-8	5.1	22
2	Back to basics: the development of a simple, homogenous, two-component dry-powder inhaler formulation for the delivery of budesonide using miscible vinyl polymers. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 1257-67	3.9	28
1	Methacholine dry powder inhaler as a new tool for bronchial challenge test. <i>International Journal of Pharmaceutics</i> , 2008 , 352, 165-71	6.5	11