

Hui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,716
citations

304368

22
h-index

288905

40
g-index

46
all docs

46
docs citations

46
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhalable nanoparticles, a non-invasive approach to treat lung cancer in a mouse model. <i>Journal of Controlled Release</i> , 2011, 150, 49-55.	4.8	154
2	Deagglomeration of dry powder pharmaceutical aerosols. <i>International Journal of Pharmaceutics</i> , 2002, 248, 39-50.	2.6	128
3	Phage therapy for respiratory infections. <i>Advanced Drug Delivery Reviews</i> , 2018, 133, 76-86.	6.6	115
4	Spray-dried Respirable Powders Containing Bacteriophages for the Treatment of Pulmonary Infections. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 5197-5205.	1.6	108
5	Production of Inhalation Phage Powders Using Spray Freeze Drying and Spray Drying Techniques for Treatment of Respiratory Infections. <i>Pharmaceutical Research</i> , 2016, 33, 1486-1496.	1.7	106
6	<i>In Vivo</i> vs <i>In Vitro</i> Comparison of Deposition in Three Mouth-Throat Models with Qvar [®] and Turbuhaler [®] Inhalers. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2007, 20, 227-235.	1.2	92
7	Aerosol Phage Therapy Efficacy in Burkholderia cepacia Complex Respiratory Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4005-4013.	1.4	84
8	Effects of storage conditions on the stability of spray dried, inhalable bacteriophage powders. <i>International Journal of Pharmaceutics</i> , 2017, 521, 141-149.	2.6	73
9	Anti-Tuberculosis Bacteriophage D29 Delivery with a Vibrating Mesh Nebulizer, Jet Nebulizer, and Soft Mist Inhaler. <i>Pharmaceutical Research</i> , 2017, 34, 2084-2096.	1.7	71
10	Effect of storage temperature on the stability of spray dried bacteriophage powders. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 213-222.	2.0	57
11	Use of a Fundamental Approach to Spray-Drying Formulation Design to Facilitate the Development of Multi-Component Dry Powder Aerosols for Respiratory Drug Delivery. <i>Pharmaceutical Research</i> , 2014, 31, 449-465.	1.7	56
12	Prophylaxis of Mycobacterium tuberculosis H37Rv Infection in a Preclinical Mouse Model via Inhalation of Nebulized Bacteriophage D29. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	48
13	Respirable Bacteriophages for the Treatment of Bacterial Lung Infections. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2013, 26, 317-335.	0.7	44
14	Low-frequency shift dispersive Raman spectroscopy for the analysis of respirable dosage forms. <i>International Journal of Pharmaceutics</i> , 2014, 469, 197-205.	2.6	42
15	Amorphous pullulan trehalose microparticle platform for respiratory delivery. <i>International Journal of Pharmaceutics</i> , 2019, 563, 156-168.	2.6	35
16	Macro-Raman spectroscopy for bulk composition and homogeneity analysis of multi-component pharmaceutical powders. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 141, 180-191.	1.4	32
17	On the particle formation of leucine in spray drying of inhalable microparticles. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120102.	2.6	31
18	Trileucine and Pullulan Improve Anti-Campylobacter Bacteriophage Stability in Engineered Spray-Dried Microparticles. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1169-1180.	1.3	29

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19	Development of a formulation platform for a spray-dried, inhalable tuberculosis vaccine candidate. <i>International Journal of Pharmaceutics</i> , 2021, 593, 120121.	2.6	29
20	Wood pulp based filters for removal of sub-micrometer aerosol particles. <i>Nordic Pulp and Paper Research Journal</i> , 2008, 23, 420-425.	0.3	26
21	Particle Surface Roughness Improves Colloidal Stability of Pressurized Pharmaceutical Suspensions. <i>Pharmaceutical Research</i> , 2019, 36, 43.	1.7	26
22	Spray-dried anti-Campylobacter bacteriophage CP30A powder suitable for global distribution without cold chain infrastructure. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118601.	2.6	23
23	Multi-Solvent Microdroplet Evaporation: Modeling and Measurement of Spray-Drying Kinetics with Inhalable Pharmaceutics. <i>Pharmaceutical Research</i> , 2019, 36, 100.	1.7	23
24	Atmospheric Spray Freeze Drying of Sugar Solution With Phage D29. <i>Frontiers in Microbiology</i> , 2019, 10, 488.	1.5	23
25	Understanding pressurized metered dose inhaler performance. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 901-916.	2.4	22
26	Microparticle encapsulation of a tuberculosis subunit vaccine candidate containing a nanoemulsion adjuvant via spray drying. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 163, 23-37.	2.0	22
27	Manufacturing and Device Options for the Delivery of Biotherapeutics. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2014, 27, 315-328.	0.7	20
28	Leucine enhances the dispersibility of trehalose-containing spray-dried powders on exposure to a high-humidity environment. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120561.	2.6	16
29	Evaluation of the stability of a spray-dried tuberculosis vaccine candidate designed for dry powder respiratory delivery. <i>Vaccine</i> , 2021, 39, 5025-5036.	1.7	16
30	Trileucine as a dispersibility enhancer of spray-dried inhalable microparticles. <i>Journal of Controlled Release</i> , 2021, 336, 522-536.	4.8	14
31	Humidity affects the morphology of particles emitted from beclomethasone dipropionate pressurized metered dose inhalers. <i>International Journal of Pharmaceutics</i> , 2017, 520, 207-215.	2.6	13
32	AN ATOMIZER TO GENERATE MONODISPERSE DROPLETS FROM HIGH VAPOR PRESSURE LIQUIDS. <i>Atomization and Sprays</i> , 2016, 26, 121-134.	0.3	13
33	Design and pharmaceutical applications of a low-flow-rate single-nozzle impactor. <i>International Journal of Pharmaceutics</i> , 2017, 533, 14-25.	2.6	12
34	Characterization of the suspension stability of pharmaceuticals using a shadowgraphic imaging method. <i>International Journal of Pharmaceutics</i> , 2018, 548, 128-138.	2.6	12
35	Morphology and formation of crystalline leucine microparticles from a co-solvent system using multi-orifice monodisperse spray drying. <i>Aerosol Science and Technology</i> , 0, , 1-22.	1.5	10
36	An <i>In Vitro</i> Examination of the Effects of Altitude on Dry Powder Inhaler Performance. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2018, 31, 221-236.	0.7	9

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37	Quantitative Macro-Raman Spectroscopy on Microparticle-Based Pharmaceutical Dosage Forms. <i>Applied Spectroscopy</i> , 2015, 69, 823-833.	1.2	8
38	Physical-chemical properties of furosemide nanocrystals developed using rotation revolution mixer. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 812-822.	1.1	8
39	Spray Dried Rugose Lipid Particle Platform for Respiratory Drug Delivery. <i>Pharmaceutical Research</i> , 2022, 39, 805-823.	1.7	8
40	Numerical simulation of flocculation and transport of suspended particles: Application to metered-dose inhalers. <i>International Journal of Multiphase Flow</i> , 2014, 64, 28-34.	1.6	6
41	Development and Testing of a Spray-Dried Tuberculosis Vaccine Candidate in a Mouse Model. <i>Frontiers in Pharmacology</i> , 2021, 12, 799034.	1.6	6
42	Mechanistic Formulation Design of Spray-Dried Powders. <i>KONA Powder and Particle Journal</i> , 2023, 40, 149-171.	0.9	5
43	On the feasibility of spray-dried eudragit-trehalose microparticles for enteric drug delivery. <i>International Journal of Pharmaceutics</i> , 2021, 610, 121264.	2.6	2
44	Size-Specific Filtration Performance of N95 Respirators After Decontamination by Moist Heat Incubation. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2022, 35, 41-49.	0.7	1
45	Mechanistic modeling expedites the development of spray dried biologics. , 0, , .		1