

# Sharon S Y Leung

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,352  
citations

172457

29  
h-index

214800

47  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhaled formulations and pulmonary drug delivery systems for respiratory infections. <i>Advanced Drug Delivery Reviews</i> , 2015, 85, 83-99.	13.7	198
2	Emerging inhalation aerosol devices and strategies: Where are we headed?. <i>Advanced Drug Delivery Reviews</i> , 2014, 75, 3-17.	13.7	160
3	Phage therapy for respiratory infections. <i>Advanced Drug Delivery Reviews</i> , 2018, 133, 76-86.	13.7	115
4	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.	3.5	106
5	Validation of a CFD model of Taylor flow hydrodynamics and heat transfer. <i>Chemical Engineering Science</i> , 2012, 69, 541-552.	3.8	101
6	Hydrodynamics of liquid-liquid Taylor flow in microchannels. <i>Chemical Engineering Science</i> , 2013, 92, 180-189.	3.8	86
7	Updates on the use of liposomes for active tumor targeting in cancer therapy. <i>Nanomedicine</i> , 2020, 15, 303-318.	3.3	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.	5.2	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.	3.5	71
10	Tunable Stabilization of Gold Nanoparticles in Aqueous Solutions by Mononucleotides. <i>Langmuir</i> , 2007, 23, 7143-7147.	3.5	63
11	Advances in Device and Formulation Technologies for Pulmonary Drug Delivery. <i>AAPS PharmSciTech</i> , 2014, 15, 882-897.	3.3	63
12	Effect of storage temperature on the stability of spray dried bacteriophage powders. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 213-222.	4.3	57
13	Application of Pharmacokinetic-Pharmacodynamic Modeling in Drug Delivery: Development and Challenges. <i>Frontiers in Pharmacology</i> , 2020, 11, 997.	3.5	56
14	Heat transfer in well-characterised Taylor flow. <i>Chemical Engineering Science</i> , 2010, 65, 6379-6388.	3.8	55
15	Updates on thermosensitive hydrogel for nasal, ocular and cutaneous delivery. <i>International Journal of Pharmaceutics</i> , 2019, 559, 86-101.	5.2	55
16	Piperine-loaded nanoparticles with enhanced dissolution and oral bioavailability for epilepsy control. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 104988.	4.0	52
17	Virus-Mimicking Mesoporous Silica Nanoparticles with an Electrically Neutral and Hydrophilic Surface to Improve the Oral Absorption of Insulin by Breaking Through Dual Barriers of the Mucus Layer and the Intestinal Epithelium. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18077-18088.	8.0	49
18	Investigation of L-leucine in reducing the moisture-induced deterioration of spray-dried salbutamol sulfate powder for inhalation. <i>International Journal of Pharmaceutics</i> , 2017, 530, 30-39.	5.2	46

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19	Bacteriophage-derived endolysins to target gram-negative bacteria. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119833.	5.2	46
20	Biodegradable Thermosensitive PLGA-PEG-PLGA Polymer for Non-irritating and Sustained Ophthalmic Drug Delivery. <i>AAPS Journal</i> , 2019, 21, 59.	4.4	45
21	Overcoming the rising incidence and evolving mechanisms of antibiotic resistance by novel drug delivery approaches – An overview. <i>Advanced Drug Delivery Reviews</i> , 2022, 181, 114078.	13.7	45
22	Effect of Flow Characteristics on Taylor Flow Heat Transfer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 2010-2020.	3.7	44
23	Rifapentine-loaded PLGA microparticles for tuberculosis inhaled therapy: Preparation and in vitro aerosol characterization. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 1-11.	4.0	42
24	Nebulization effects on structural stability of bacteriophage PEV 44. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 125, 124-130.	4.3	38
25	The Capsule Depolymerase Dpo48 Rescues <i>Galleria mellonella</i> and Mice From <i>Acinetobacter baumannii</i> Systemic Infections. <i>Frontiers in Microbiology</i> , 2019, 10, 545.	3.5	37
26	Identification of Two Depolymerases From Phage IME205 and Their Antivirulent Functions on K47 Capsule of <i>Klebsiella pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 218.	3.5	36
27	Characteristics of Chemical Modified Activated Carbons from Bamboo Scaffolding. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 515-523.	3.5	35
28	Microfluidic-assisted bacteriophage encapsulation into liposomes. <i>International Journal of Pharmaceutics</i> , 2018, 545, 176-182.	5.2	35
29	Jet nebulization of bacteriophages with different tail morphologies – Structural effects. <i>International Journal of Pharmaceutics</i> , 2019, 554, 322-326.	5.2	31
30	Formulation strategies for bacteriophages to target intracellular bacterial pathogens. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113864.	13.7	31
31	De-agglomeration Effect of the US Pharmacopeia and Alberta Throats on Carrier-Based Powders in Commercial Inhalation Products. <i>AAPS Journal</i> , 2015, 17, 1407-1416.	4.4	30
32	Gravitational effect on Taylor flow in horizontal microchannels. <i>Chemical Engineering Science</i> , 2012, 69, 553-564.	3.8	28
33	Development of thermosensitive hydrogel wound dressing containing <i>Acinetobacter baumannii</i> phage against wound infections. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120508.	5.2	27
34	Porous mannitol carrier for pulmonary delivery of cyclosporine A nanoparticles. <i>AAPS Journal</i> , 2017, 19, 578-586.	4.4	26
35	Development of thermosensitive hydrogel containing methylene blue for topical antimicrobial photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111776.	3.8	23
36	Membrane-Permeable Antibacterial Enzyme against Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>ACS Infectious Diseases</i> , 2021, 7, 2192-2204.	3.8	21

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37	Phage-Derived Depolymerase as an Antibiotic Adjuvant Against Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 845500.	3.5	21
38	Self-assembled nanomedicine combining a berberine derivative and doxorubicin for enhanced antitumor and antimetastatic efficacy via mitochondrial pathways. <i>Nanoscale</i> , 2021, 13, 6605-6623.	5.6	20
39	Flavonoids potentiated anticancer activity of cisplatin in non-small cell lung cancer cells in vitro by inhibiting histone deacetylases. <i>Life Sciences</i> , 2020, 258, 118211.	4.3	19
40	Flow and Particle Modelling of Dry Powder Inhalers: Methodologies, Recent Development and Emerging Applications. <i>Pharmaceutics</i> , 2021, 13, 189.	4.5	19
41	In vivo biocompatibility and efficacy of dexamethasone-loaded PLGA-PEG-PLGA thermogel in an alkali-burn induced corneal neovascularization disease model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 155, 190-198.	4.3	17
42	A systematic review on current osteosynthesis-associated infection animal fracture models. <i>Journal of Orthopaedic Translation</i> , 2020, 23, 8-20.	3.9	17
43	The Delivery of High-Dose Dry Powder Antibiotics by a Low-Cost Generic Inhaler. <i>AAPS Journal</i> , 2017, 19, 191-202.	4.4	15
44	Bacteriophage endolysins against gram-positive bacteria, an overview on the clinical development and recent advances on the delivery and formulation strategies. <i>Critical Reviews in Microbiology</i> , 2022, 48, 303-326.	6.1	15
45	Fracture-related infection in osteoporotic bone causes more severe infection and further delays healing. <i>Bone and Joint Research</i> , 2022, 11, 49-60.	3.6	11
46	Applicability of Bipolar Charge Analyzer (BOLAR) in Characterizing the Bipolar Electrostatic Charge Profile of Commercial Metered Dose Inhalers (MDIs). <i>Pharmaceutical Research</i> , 2016, 33, 283-291.	3.5	10
47	Preparation of Drug-Loaded Liposomes with Multi-Inlet Vortex Mixers. <i>Pharmaceutics</i> , 2022, 14, 1223.	4.5	10
48	Development of an Improved Inhalable Powder Formulation of Pirfenidone by Spray-Drying: In Vitro Characterization and Pharmacokinetic Profiling. <i>Pharmaceutical Research</i> , 2016, 33, 1447-1455.	3.5	9
49	The Influence of Formulation Components and Environmental Humidity on Spray-Dried Phage Powders for Treatment of Respiratory Infections Caused by <i>Acinetobacter baumannii</i> . <i>Pharmaceutics</i> , 2021, 13, 1162.	4.5	9
50	Three Dimensional Effects in Taylor Flow in Circular Microchannels. <i>Houille Blanche</i> , 2013, 99, 60-67.	0.3	8
51	A Proof-of-Principle Setup for Delivery of Relenza <sup>®</sup> (Zanamivir) Inhalation Powder to Intubated Patients. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2016, 29, 30-35.	1.4	8
52	Effect of Spacers on the Bipolar Electrostatic Charge Properties of Metered Dose Inhaler Aerosols—A Case Study With Tilade <sup>®</sup> . <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1553-1559.	3.3	8
53	A Novel In-Line Delivery System to Administer Dry Powder Mannitol to Mechanically Ventilated Patients. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017, 30, 100-107.	1.4	7
54	Acid dyes adsorption onto activated carbon from waste tyres. <i>International Journal of Environment and Waste Management</i> , 2009, 3, 286.	0.3	6

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55	Experimental Investigation of Taylor and Intermittent Slug-annular/Annular Flow in Microchannels. <i>Experimental Heat Transfer</i> , 2014, 27, 360-375.	3.2	5
56	An Apparatus to Deliver Mannitol Powder for Bronchial Provocation in Children Under Six Years Old. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2015, 28, 452-461.	1.4	2
57	Potential of Inhaled Bacteriophage Therapy for Bacterial Lung Infection. , 0, , .		1
58	Response to Letter to the Editor: Pulmonary Delivery of Dry Powders During Invasive Mechanical Ventilation: Innovations Are Required. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2016, 29, 217-217.	1.4	0