

# Sharad Mangal

## List of Publications by Year in descending order

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28  
papers

1,268  
citations

430874

18  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1776  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Particle Size Reduction and Homogeneous Mixing to Produce Combinational Powder Formulations for Inhalation by the Single-Step Co-Jet Milling. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3146-3151.	3.3	9
2	Correlations between surface composition and aerosolization of jet-milled dry powder inhaler formulations with pharmaceutical lubricants. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118504.	5.2	35
3	Effects of the antibiotic component on in-vitro bacterial killing, physico-chemical properties, aerosolization and dissolution of a ternary-combinational inhalation powder formulation of antibiotics for pan-drug resistant Gram-negative lung infections. <i>International Journal of Pharmaceutics</i> , 2019, 561, 102-113.	5.2	11
4	Understanding the Impacts of Surface Compositions on the In-Vitro Dissolution and Aerosolization of Co-Spray-Dried Composite Powder Formulations for Inhalation. <i>Pharmaceutical Research</i> , 2019, 36, 6.	3.5	14
5	Influence of excipients on physical and aerosolization stability of spray dried high-dose powder formulations for inhalation. <i>International Journal of Pharmaceutics</i> , 2018, 544, 222-234.	5.2	83
6	Qualitative and Quantitative Characterization of Composition Heterogeneity on the Surface of Spray Dried Amorphous Solid Dispersion Particles by an Advanced Surface Analysis Platform with High Surface Sensitivity and Superior Spatial Resolution. <i>Molecular Pharmaceutics</i> , 2018, 15, 2045-2053.	4.6	24
7	Physico-Chemical Properties, Aerosolization and Dissolution of Co-Spray Dried Azithromycin Particles with L-Leucine for Inhalation. <i>Pharmaceutical Research</i> , 2018, 35, 28.	3.5	62
8	Effects of Moisture-Induced Crystallization on the Aerosol Performance of Spray Dried Amorphous Ciprofloxacin Powder Formulations. <i>Pharmaceutical Research</i> , 2018, 35, 7.	3.5	39
9	Composite particle formulations of colistin and meropenem with improved in-vitro bacterial killing and aerosolization for inhalation. <i>International Journal of Pharmaceutics</i> , 2018, 548, 443-453.	5.2	20
10	Improved Physical Stability and Aerosolization of Inhalable Amorphous Ciprofloxacin Powder Formulations by Incorporating Synergistic Colistin. <i>Molecular Pharmaceutics</i> , 2018, 15, 4004-4020.	4.6	39
11	Pulmonary delivery of nanoparticle chemotherapy for the treatment of lung cancers: challenges and opportunities. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 782-797.	6.1	196
12	Effects of Coating Materials and Processing Conditions on Flow Enhancement of Cohesive Acetaminophen Powders by High-Shear Processing With Pharmaceutical Lubricants. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3022-3032.	3.3	13
13	Capsaicin-loaded vesicular systems designed for enhancing localized delivery for psoriasis therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-10.	2.8	33
14	Effect of the deformability of guest particles on the tensile strength of tablets from interactive mixtures. <i>International Journal of Pharmaceutics</i> , 2016, 514, 341-352.	5.2	1
15	Applying surface energy derived cohesive-adhesive balance model in predicting the mixing, flow and compaction behaviour of interactive mixtures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 104, 110-116.	4.3	20
16	Relationship between the cohesion of guest particles on the flow behaviour of interactive mixtures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 102, 168-177.	4.3	19
17	Relationship between surface concentration of l-leucine and bulk powder properties in spray dried formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 160-169.	4.3	72
18	The role of physico-chemical and bulk characteristics of co-spray dried l-leucine and polyvinylpyrrolidone on glidant and binder properties in interactive mixtures. <i>International Journal of Pharmaceutics</i> , 2015, 479, 338-348.	5.2	18

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19	Particle Engineering of Excipients for Direct Compression: Understanding the Role of Material Properties. <i>Current Pharmaceutical Design</i> , 2015, 21, 5877-5889.	1.9	46
20	Evaluation of mucoadhesive carrier adjuvant: Toward an oral anthrax vaccine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014, 42, 47-57.	2.8	12
21	Development and characterization of surface modified PLGA nanoparticles for nasal vaccine delivery: Effect of mucoadhesive coating on antigen uptake and immune adjuvant activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 550-559.	4.3	118
22	Evaluation of anti-apoptotic activity of different dietary antioxidants in renal cell carcinoma against hydrogen peroxide. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011, 1, 57-63.	1.2	18
23	Mucosal Delivery of Vaccines: Role of Mucoadhesive/Biodegradable Polymers. <i>Recent Patents on Drug Delivery and Formulation</i> , 2010, 4, 114-128.	2.1	63
24	Evaluation of Mucoadhesive PLGA Microparticles for Nasal Immunization. <i>AAPS Journal</i> , 2010, 12, 130-137.	4.4	71
25	PEG-PLA-PEG block copolymeric nanoparticles for oral immunization against hepatitis B. <i>International Journal of Pharmaceutics</i> , 2010, 387, 253-262.	5.2	105
26	Recent advances in mucosal delivery of vaccines: role of mucoadhesive/biodegradable polymeric carriers. <i>Expert Opinion on Therapeutic Patents</i> , 2010, 20, 661-679.	5.0	43
27	Synthesis, characterization and evaluation of novel triblock copolymer based nanoparticles for vaccine delivery against hepatitis B. <i>Journal of Controlled Release</i> , 2009, 136, 161-169.	9.9	80
28	Recent Patents on Oral Vaccine Design. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2009, 3, 179-193.	0.6	1