

Amrit Paudel

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.

74
papers

1,746
citations

19
h-index

40
g-index

80
ext. papers

2,085
ext. citations

5.5
avg, IF

5.15
L-index

#	Paper	IF	Citations
74	Topologically directed confocal Raman imaging (TD-CRI): Advanced Raman imaging towards compositional and micromeritic profiling of a commercial tablet components.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 210, 114581	3.5	1
73	Focusing on powder processing in dry powder inhalation product development, manufacturing and performance.. <i>International Journal of Pharmaceutics</i> , 2022 , 614, 121445	6.5	0
72	Quantitative chemical profiling of cellulose acetate excipient via C NMR spectroscopy in controlled release formulations.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 217, 114791	3.5	
71	Assessment of Diverse SolidState Accelerated Autoxidation Methods for Droperidol. <i>Pharmaceutics</i> , 2022 , 14, 11114	6.4	1
70	Polyethylene oxide matrix tablet swelling evolution: The impact of molecular mass and tablet composition. <i>Acta Pharmaceutica</i> , 2021 , 71, 215-243	3.2	1
69	The Influence of Relative Humidity and Storage Conditions on the Physico-chemical Properties of Inhalation Grade Fine Lactose. <i>AAPS PharmSciTech</i> , 2021 , 23, 1	3.9	1
68	Progress in spray-drying of protein pharmaceuticals: Literature analysis of trends in formulation and process attributes. <i>Drying Technology</i> , 2021 , 39, 1415-1446	2.6	10
67	Analytical and Computational Methods for the Determination of Drug-Polymer Solubility and Miscibility. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2835-2866	5.6	2
66	Spray-Congeeing and Wet-Sieving as Alternative Processes for Engineering of Inhalation Carrier Particles: Comparison of Surface Properties, Blending and In Vitro Performance. <i>Pharmaceutical Research</i> , 2021 , 38, 1107-1123	4.5	1
65	Review of sensing technologies for measuring powder density variations during pharmaceutical solid dosage form manufacturing. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116147	14.6	5
64	Interplay of Aging and Lot-to-Lot Variability on the Physical and Chemical Properties of Excipients: A Case Study of Mono- and Diglycerides. <i>Molecular Pharmaceutics</i> , 2021 , 18, 862-877	5.6	2
63	Spherical agglomerates of lactose as potential carriers for inhalation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 159, 11-20	5.7	5
62	Understanding Carrier Performance in Low-Dose Dry Powder Inhalation: An In VitroIn Silico Approach. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
61	Novel polyester-based thermoplastic elastomers for 3D-printed long-acting drug delivery applications. <i>Journal of Controlled Release</i> , 2021 , 335, 290-305	11.7	2
60	Near-Infrared Hyperspectral Imaging as a Monitoring Tool for On-Demand Manufacturing of Inkjet-Printed Formulations. <i>AAPS PharmSciTech</i> , 2021 , 22, 211	3.9	0
59	Impact of simulated lung fluid components on the solubility of inhaled drugs and predicted in vivo performance. <i>International Journal of Pharmaceutics</i> , 2021 , 606, 120893	6.5	6
58	Towards predicting the product quality in hot-melt extrusion: Pilot plant scale extrusion. <i>International Journal of Pharmaceutics: X</i> , 2021 , 3, 100084	3.2	1

57	Towards predicting the product quality in hot-melt extrusion: Small scale extrusion. <i>International Journal of Pharmaceutics: X</i> , 2020 , 2, 100062	3.2	2
56	Towards an Understanding of the Adsorption of Vaporized Hydrogen Peroxide (VHP) Residues on Glass Vials After a VHP Decontamination Process Using a Miniaturized Tool. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2454-2463	3.9	1
55	Polyelectrolyte-surfactant-complex nanoparticles as a delivery platform for poorly soluble drugs: A case study of ibuprofen loaded cetylpyridinium-alginate system. <i>International Journal of Pharmaceutics</i> , 2020 , 580, 119199	6.5	7
54	Evolution of the microstructure and the drug release upon annealing the drug loaded lipid-surfactant microspheres. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 147, 105278	5.1	6
53	Developing HME-Based Drug Products Using Emerging Science: a Fast-Track Roadmap from Concept to Clinical Batch. <i>AAPS PharmSciTech</i> , 2020 , 21, 176	3.9	11
52	Feeding of particle-based materials in continuous solid dosage manufacturing: a material science perspective. <i>Drug Discovery Today</i> , 2020 , 25, 800-806	8.8	5
51	Controlled-Release from High-Loaded Reservoir-Type Systems-A Case Study of Ethylene-Vinyl Acetate and Progesterone. <i>Pharmaceutics</i> , 2020 , 12,	6.4	10
50	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
49	Understanding Concomitant Physical and Chemical Transformations of Simvastatin During Dry Ball Milling. <i>AAPS PharmSciTech</i> , 2020 , 21, 152	3.9	3
48	High-Molecular-Weight Hypromellose from Three Different Suppliers: Effects of Compression Speed, Tableting Equipment, and Moisture on the Compaction. <i>AAPS PharmSciTech</i> , 2020 , 21, 203	3.9	0
47	Novel Cleaning-in-Place Strategies for Pharmaceutical Hot Melt Extrusion. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
46	Investigation into powder tribo-charging of pharmaceuticals. Part I: Process-induced charge via twin-screw feeding. <i>International Journal of Pharmaceutics</i> , 2020 , 591, 120014	6.5	3
45	Investigation into powder tribo-charging of pharmaceuticals. Part II: Sensitivity to relative humidity. <i>International Journal of Pharmaceutics</i> , 2020 , 591, 120015	6.5	0
44	Feasibility of rapidly assessing reactive impurities mediated excipient incompatibility using a new method: A case study of famotidine-PEG system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 178, 112893	3.5	2
43	Quantitative Chemical Profiling of Commercial Glyceride Excipients via H NMR Spectroscopy. <i>AAPS PharmSciTech</i> , 2020 , 22, 11	3.9	3
42	Can we predict trends in tribo-charging of pharmaceutical materials from first principles?. <i>Powder Technology</i> , 2019 , 356, 892-898	5.2	3
41	PVP-HO Complex as a New Stressor for the Accelerated Oxidation Study of Pharmaceutical Solids. <i>Pharmaceutics</i> , 2019 , 11,	6.4	9
40	Insights into DPI sensitivity to humidity: An integrated in-vitro-in-silico risk-assessment. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 52, 803-817	4.5	5

39	Tribo-Charging Behaviour of Inhalable Mannitol Blends with Salbutamol Sulphate. <i>Pharmaceutical Research</i> , 2019 , 36, 80	4.5	11
38	Formulation and processability screening for the rational design of ethylene-vinyl acetate based intra-vaginal rings. <i>International Journal of Pharmaceutics</i> , 2019 , 564, 90-97	6.5	12
37	Solid-State Reactivity of Mechano-Activated Simvastatin: Atypical Relation to Powder Crystallinity. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 3272-3280	3.9	4
36	Searching for physiologically relevant in vitro dissolution techniques for orally inhaled drugs. <i>International Journal of Pharmaceutics</i> , 2019 , 556, 45-56	6.5	24
35	Use of PBPK Modeling To Evaluate the Performance of Dissolv It, a Biorelevant Dissolution Assay For Orally Inhaled Drug Products. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1245-1254	5.6	9
34	Study of a low-dose capsule filling process by dynamic and static tests for advanced process understanding. <i>International Journal of Pharmaceutics</i> , 2018 , 540, 22-30	6.5	7
33	Key acceptability attributes of orodispersible films. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 125, 131-140	5.7	23
32	Advances in experimental and mechanistic computational models to understand pulmonary exposure to inhaled drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 113, 41-52	5.1	46
31	Density fluctuations in amorphous pharmaceutical solids. Can SAXS help to predict stability?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 168, 76-82	6	7
30	Performance indicators for carrier-based DPIs: Carrier surface properties for capsule filling and API properties for in vitro aerosolisation. <i>International Journal of Pharmaceutics</i> , 2018 , 536, 326-335	6.5	20
29	Insights into the processability and performance of adhesive blends of inhalable jet-milled and spray dried salbutamol sulphate at different drug loads. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 48, 466-477	4.5	4
28	Formulation performance and processability window for manufacturing a dual-polymer amorphous solid dispersion via hot-melt extrusion and strand pelletization. <i>International Journal of Pharmaceutics</i> , 2018 , 553, 408-421	6.5	14
27	Relative Contributions of Solubility and Mobility to the Stability of Amorphous Solid Dispersions of Poorly Soluble Drugs: A Molecular Dynamics Simulation Study. <i>Pharmaceutics</i> , 2018 , 10,	6.4	14
26	Pharmaceutical-grade oral films as substrates for printed medicine. <i>International Journal of Pharmaceutics</i> , 2018 , 547, 169-180	6.5	7
25	Assessment of Dry Powder Inhaler Carrier Targeted Design: A Comparative Case Study of Diverse Anomeric Compositions and Physical Properties of Lactose. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2827-2839	5.6	9
24	Establishment of a Molding Procedure to Facilitate Formulation Development for Co-extrudates. <i>AAPS PharmSciTech</i> , 2017 , 18, 2971-2976	3.9	11
23	How does secondary processing affect the physicochemical properties of inhalable salbutamol sulphate particles? A temporal investigation. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 416-428	6.5	12
22	Orodispersible films: Towards drug delivery in special populations. <i>International Journal of Pharmaceutics</i> , 2017 , 523, 327-335	6.5	50

21	Drug-Excipient Interactions in the Solid State: The Role of Different Stress Factors. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4560-4571	5.6	10
20	The effect of material attributes and process parameters on the powder bed uniformity during a low-dose dosator capsule filling process. <i>International Journal of Pharmaceutics</i> , 2017 , 516, 9-20	6.5	14
19	A Review of PAT Strategies in Secondary Solid Oral Dosage Manufacturing of Small Molecules. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 667-712	3.9	52
18	Improving the granule strength of roller-compacted ibuprofen sodium for hot-melt coating processing. <i>International Journal of Pharmaceutics</i> , 2016 , 510, 285-95	6.5	10
17	Printing medicines as orodispersible dosage forms: Effect of substrate on the printed micro-structure. <i>International Journal of Pharmaceutics</i> , 2016 , 509, 518-527	6.5	43
16	Continuous low-dose feeding of highly active pharmaceutical ingredients in hot-melt extrusion. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 1360-4	3.6	5
15	Lyophilized protein powders: A review of analytical tools for root cause analysis of lot-to-lot variability. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 468-491	14.6	13
14	Multi-methodological investigation of the variability of the microstructure of HPMC hard capsules. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 840-54	6.5	12
13	Carrier-based dry powder inhalation: Impact of carrier modification on capsule filling processability and in vitro aerodynamic performance. <i>International Journal of Pharmaceutics</i> , 2015 , 491, 231-42	6.5	30
12	Raman spectroscopy in pharmaceutical product design. <i>Advanced Drug Delivery Reviews</i> , 2015 , 89, 3-20	18.5	165
11	Structural and dynamic properties of amorphous solid dispersions: the role of solid-state nuclear magnetic resonance spectroscopy and relaxometry. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2635-2662	3.9	92
10	Structural Characterization of Amorphous Solid Dispersions. <i>Advances in Delivery Science and Technology</i> , 2014 , 421-485		6
9	Manufacturing of solid dispersions of poorly water soluble drugs by spray drying: formulation and process considerations. <i>International Journal of Pharmaceutics</i> , 2013 , 453, 253-84	6.5	386
8	An investigation into the effect of spray drying temperature and atomizing conditions on miscibility, physical stability, and performance of naproxen-PVP K 25 solid dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 1249-67	3.9	32
7	Influence of solvent composition on the miscibility and physical stability of naproxen/PVP K 25 solid dispersions prepared by cosolvent spray-drying. <i>Pharmaceutical Research</i> , 2012 , 29, 251-70	4.5	80
6	Relating hydrogen-bonding interactions with the phase behavior of naproxen/PVP K 25 solid dispersions: evaluation of solution-cast and quench-cooled films. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3301-17	5.6	33
5	Effect of compression on non-isothermal crystallization behaviour of amorphous indomethacin. <i>Pharmaceutical Research</i> , 2012 , 29, 2489-98	4.5	40
4	Can compression induce demixing in amorphous solid dispersions? A case study of naproxen-PVP K25. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 207-13	5.7	51

3	Theoretical and experimental investigation on the solid solubility and miscibility of naproxen in poly(vinylpyrrolidone). <i>Molecular Pharmaceutics</i> , 2010 , 7, 1133-48	5.6	120
2	Influence of preparation methods on solid state supersaturation of amorphous solid dispersions: a case study with itraconazole and eudragit e100. <i>Pharmaceutical Research</i> , 2010 , 27, 775-85	4.5	104
1	Characterization of degradation products of amorphous and polymorphic forms of clopidogrel bisulphate under solid state stress conditions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 52, 332-44	3.5	34