

Amrit Paudel

List of Publications by Year in descending order

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80
papers

2,417
citations

279701

23
h-index

214721

47
g-index

80
all docs

80
docs citations

80
times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	Manufacturing of solid dispersions of poorly water soluble drugs by spray drying: Formulation and process considerations. <i>International Journal of Pharmaceutics</i> , 2013, 453, 253-284.	2.6	442
2	Raman spectroscopy in pharmaceutical product design. <i>Advanced Drug Delivery Reviews</i> , 2015, 89, 3-20.	6.6	221
3	Theoretical and Experimental Investigation on the Solid Solubility and Miscibility of Naproxen in Poly(vinylpyrrolidone). <i>Molecular Pharmaceutics</i> , 2010, 7, 1133-1148.	2.3	136
4	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, 775-785.	1.7	115
5	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.	1.6	103
6	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, 251-270.	1.7	84
7	A Review of PAT Strategies in Secondary Solid Oral Dosage Manufacturing of Small Molecules. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 667-712.	1.6	72
8	Orodispersible films: Towards drug delivery in special populations. <i>International Journal of Pharmaceutics</i> , 2017, 523, 327-335.	2.6	70
9	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, 207-213.	2.0	62
10	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.	1.9	57
11	Printing medicines as orodispersible dosage forms: Effect of substrate on the printed micro-structure. <i>International Journal of Pharmaceutics</i> , 2016, 509, 518-527.	2.6	52
12	Progress in spray-drying of protein pharmaceuticals: Literature analysis of trends in formulation and process attributes. <i>Drying Technology</i> , 2021, 39, 1415-1446.	1.7	49
13	Effect of Compression on Non-isothermal Crystallization Behaviour of Amorphous Indomethacin. <i>Pharmaceutical Research</i> , 2012, 29, 2489-2498.	1.7	41
14	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, 3301-3317.	2.3	40
15	Searching for physiologically relevant in vitro dissolution techniques for orally inhaled drugs. <i>International Journal of Pharmaceutics</i> , 2019, 556, 45-56.	2.6	40
16	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, 332-344.	1.4	39
17	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, 231-242.	2.6	37
18	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, 1249-1267.	1.6	36

#	ARTICLE	IF	CITATIONS
19	Key acceptability attributes of orodispersible films. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 125, 131-140.	2.0	33
20	The Influence of Relative Humidity and Storage Conditions on the Physico-chemical Properties of Inhalation Grade Fine Lactose. <i>AAPS PharmSciTech</i> , 2022, 23, 1.	1.5	33
21	Novel polyester-based thermoplastic elastomers for 3D-printed long-acting drug delivery applications. <i>Journal of Controlled Release</i> , 2021, 335, 290-305.	4.8	26
22	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.	2.6	24
23	Can 3D printing of oral drugs help fight the current COVID-19 pandemic (and similar crisis in the) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 23</i>	2.4	23
24	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.	2.6	22
25	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.	5.8	20
26	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, 101.	2.0	20
27	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.	2.6	20
28	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.	2.3	18
29	Use of PBPK Modeling To Evaluate the Performance of Dissolv<i>It</i>, a Biorelevant Dissolution Assay for Orally Inhaled Drug Products. <i>Molecular Pharmaceutics</i> , 2019, 16, 1245-1254.	2.3	18
30	Developing HME-Based Drug Products Using Emerging Science: a Fast-Track Roadmap from Concept to Clinical Batch. <i>AAPS PharmSciTech</i> , 2020, 21, 176.	1.5	18
31	Tribo-Charging Behaviour of Inhalable Mannitol Blends with Salbutamol Sulphate. <i>Pharmaceutical Research</i> , 2019, 36, 80.	1.7	17
32	Controlled-Release from High-Loaded Reservoir-Type Systemsâ€™A Case Study of Ethylene-Vinyl Acetate and Progesterone. <i>Pharmaceutics</i> , 2020, 12, 103.	2.0	17
33	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.	2.6	16
34	PVP-H2O2 Complex as a New Stressor for the Accelerated Oxidation Study of Pharmaceutical Solids. <i>Pharmaceutics</i> , 2019, 11, 457.	2.0	16
35	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.	5.8	16
36	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.	2.6	16

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37	Drug-Excipient Interactions in the Solid State: The Role of Different Stress Factors. <i>Molecular Pharmaceutics</i> , 2017, 14, 4560-4571.	2.3	15
38	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.	2.6	15
39	Multi-methodological investigation of the variability of the microstructure of HPMC hard capsules. <i>International Journal of Pharmaceutics</i> , 2016, 511, 840-854.	2.6	14
40	Establishment of a Molding Procedure to Facilitate Formulation Development for Co-extrudates. <i>AAPS PharmSciTech</i> , 2017, 18, 2971-2976.	1.5	14
41	Pharmaceutical-grade oral films as substrates for printed medicine. <i>International Journal of Pharmaceutics</i> , 2018, 547, 169-180.	2.6	14
42	Feeding of particle-based materials in continuous solid dosage manufacturing: a material science perspective. <i>Drug Discovery Today</i> , 2020, 25, 800-806.	3.2	14
43	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.	2.6	13
44	Analytical and Computational Methods for the Determination of Drug-Polymer Solubility and Miscibility. <i>Molecular Pharmaceutics</i> , 2021, 18, 2835-2866.	2.3	13
45	Understanding Concomitant Physical and Chemical Transformations of Simvastatin During Dry Ball Milling. <i>AAPS PharmSciTech</i> , 2020, 21, 152.	1.5	13
46	Focusing on powder processing in dry powder inhalation product development, manufacturing and performance. <i>International Journal of Pharmaceutics</i> , 2022, 614, 121445.	2.6	12
47	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.	1.9	11
48	Spherical agglomerates of lactose as potential carriers for inhalation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 159, 11-20.	2.0	11
49	Improving the granule strength of roller-compacted ibuprofen sodium for hot-melt coating processing. <i>International Journal of Pharmaceutics</i> , 2016, 510, 285-295.	2.6	10
50	Density fluctuations in amorphous pharmaceutical solids. Can SAXS help to predict stability?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 76-82.	2.5	10
51	Solid-State Reactivity of Mechano-Activated Simvastatin: Atypical Relation to Powder Crystallinity. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3272-3280.	1.6	10
52	Quantitative Chemical Profiling of Commercial Glyceride Excipients via ¹ H NMR Spectroscopy. <i>AAPS PharmSciTech</i> , 2021, 22, 11.	1.5	10
53	Near-Infrared Hyperspectral Imaging as a Monitoring Tool for On-Demand Manufacturing of Inkjet-Printed Formulations. <i>AAPS PharmSciTech</i> , 2021, 22, 211.	1.5	10
54	Structural Characterization of Amorphous Solid Dispersions. <i>Advances in Delivery Science and Technology</i> , 2014, , 421-485.	0.4	9

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55	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.	1.4	9
56	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.	2.6	7
57	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.	1.4	7
58	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.	1.4	7
59	Novel Cleaning-in-Place Strategies for Pharmaceutical Hot Melt Extrusion. <i>Pharmaceutics</i> , 2020, 12, 588.	2.0	7
60	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.	2.6	7
61	Understanding Carrier Performance in Low-Dose Dry Powder Inhalation: An In Vitro-In Silico Approach. <i>Pharmaceutics</i> , 2021, 13, 297.	2.0	7
62	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.	1.5	7
63	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.	1.4	7
64	Forced Solid-State Oxidation Studies of Nifedipine-PVP Amorphous Solid Dispersion. <i>Molecular Pharmaceutics</i> , 2022, 19, 568-583.	2.3	7
65	Continuous low-dose feeding of highly active pharmaceutical ingredients in hot-melt extrusion. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1360-1364.	0.9	6
66	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.	2.3	6
67	Spray-Congeaing 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.	1.7	6
68	Assessment of Diverse Solid-State Accelerated Autoxidation Methods for Droperidol. <i>Pharmaceutics</i> , 2022, 14, 1114.	2.0	6
69	Can we predict trends in tribo-charging of pharmaceutical materials from first principles?. <i>Powder Technology</i> , 2019, 356, 892-898.	2.1	5
70	Investigation into powder tribo-charging of pharmaceuticals. Part II: Sensitivity to relative humidity. <i>International Journal of Pharmaceutics</i> , 2020, 591, 120015.	2.6	5
71	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.	1.6	5
72	Towards predicting the product quality in hot-melt extrusion: Small scale extrusion. <i>International Journal of Pharmaceutics: X</i> , 2020, 2, 100062.	1.2	4

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73	High-Molecular-Weight Hypromellose from Three Different Suppliers: Effects of Compression Speed, Tableting Equipment, and Moisture on the Compaction. AAPS PharmSciTech, 2020, 21, 203.	1.5	3
74	Towards predicting the product quality in hot-melt extrusion: Pilot plant scale extrusion. International Journal of Pharmaceutics: X, 2021, 3, 100084.	1.2	3
75	Phase Behavior of Drug-Lipid-Surfactant Ternary Systems toward Understanding the Annealing-Induced Change. Molecular Pharmaceutics, 2022, 19, 532-546.	2.3	3
76	Polyethylene oxide matrix tablet swelling evolution: The impact of molecular mass and tablet composition. Acta Pharmaceutica, 2021, 71, 215-243.	0.9	2
77	Insights into the Impact of Nanostructural Properties on Powder Tribocharging: The Case of Milled Salbutamol Sulfate. Molecular Pharmaceutics, 2022, 19, 547-557.	2.3	2
78	Development and Validation of a Stability-Indicating UPLC Method for the Determination of Hexoprenaline in Injectable Dosage Form Using AQbD Principles. Molecules, 2021, 26, 6597.	1.7	1
79	Quantitative chemical profiling of cellulose acetate excipient via ¹³ C NMR spectroscopy in controlled release formulations. Journal of Pharmaceutical and Biomedical Analysis, 2022, 217, 114791.	1.4	1
80	A Tribute to Professor Saranjit Singh - A Critical Thinker, Innovator, Mentor, and Educator. Journal of Pharmaceutical Sciences, 2021, , .	1.6	0