

Paul G Royall

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5794285/publications.pdf>

Version: 2024-02-01

68
papers

1,901
citations

236925

25
h-index

289244

40
g-index

71
all docs

71
docs citations

71
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a point-of-care test for the detection of MDMA in latent fingerprints using surface plasmon resonance and lateral flow technology. <i>Drug Testing and Analysis</i> , 2022, 14, 613-621.	2.6	3
2	Solid Dispersions of Gefitinib Prepared by Spray Drying with Improved Mucoadhesive and Drug Dissolution Properties. <i>AAPS PharmSciTech</i> , 2022, 23, 48.	3.3	13
3	Enabling Safe and Sustainable Medical Deliveries by Connected Autonomous Freight Vehicles Operating within Dangerous Goods Regulations. <i>Sustainability</i> , 2022, 14, 930.	3.2	3
4	A Novel Multilayer Natural Coating for Fed-State Gastric Protection. <i>Pharmaceutics</i> , 2022, 14, 283.	4.5	1
5	Pharmaceutical, biomedical and ophthalmic applications of biodegradable polymers (BDPs): literature and patent review. <i>Pharmaceutical Development and Technology</i> , 2022, 27, 341-356.	2.4	10
6	Mechanistic study of the solubilization effect of basic amino acids on a poorly water-soluble drug. <i>RSC Advances</i> , 2022, 12, 19040-19053.	3.6	8
7	Cyclodextrin Diethyldithiocarbamate Copper II Inclusion Complexes: A Promising Chemotherapeutic Delivery System against Chemoresistant Triple Negative Breast Cancer Cell Lines. <i>Pharmaceutics</i> , 2021, 13, 84.	4.5	15
8	Sunscreens Containing Cyclodextrin Inclusion Complexes for Enhanced Efficiency: A Strategy for Skin Cancer Prevention. <i>Molecules</i> , 2021, 26, 1698.	3.8	18
9	Quantifying the Effects of Vibration on Medicines in Transit Caused by Fixed-Wing and Multi-Copter Drones. <i>Drones</i> , 2021, 5, 22.	4.9	22
10	Using Robotics in Laboratories During the COVID-19 Outbreak: A Review. <i>IEEE Robotics and Automation Magazine</i> , 2021, 28, 28-39.	2.0	11
11	Repurposing Melt Degradation for the Evaluation of Mixed Amorphous-Crystalline Blends. <i>AAPS PharmSciTech</i> , 2021, 22, 105.	3.3	4
12	How Do Dangerous Goods Regulations Apply to Uncrewed Aerial Vehicles Transporting Medical Cargos?. <i>Drones</i> , 2021, 5, 38.	4.9	19
13	Stability of α -lactose monohydrate: The discovery of dehydration triggered solid-state epimerization. <i>International Journal of Pharmaceutics</i> , 2021, 604, 120715.	5.2	12
14	Controlling drug release with additive manufacturing-based solutions. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 369-386.	13.7	33
15	Digital Image Disintegration Analysis: a Novel Quality Control Method for Fast Disintegrating Tablets. <i>AAPS PharmSciTech</i> , 2021, 22, 219.	3.3	7
16	Polyelectrolyte Multi-Layered Griseofulvin Nanoparticles: Conventional versus Continuous In-Situ Layer-by-Layer Fabrication. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5611-5621.	0.9	1
17	Solid-state epimerisation and disproportionation of pilocarpine HCl: Why we need a 5-stage approach to validate melting point measurements for heat-sensitive drugs. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118869.	5.2	7
18	An Evaluation of the Drone Delivery of Adrenaline Auto-Injectors for Anaphylaxis: Pharmacists' Perceptions, Acceptance, and Concerns. <i>Drones</i> , 2020, 4, 66.	4.9	19

#	ARTICLE	IF	CITATIONS
19	A Cyclodextrin- α -Stabilized Spermine- β -Tagged Drug Triplex that Targets Theophylline to the Lungs Selectively in Respiratory Emergency. <i>Advanced Therapeutics</i> , 2020, 3, 2000153.	3.2	2
20	An innovative wax-based enteric coating for pharmaceutical and nutraceutical oral products. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119935.	5.2	12
21	A novel natural GRAS-grade enteric coating for pharmaceutical and nutraceutical products. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119392.	5.2	15
22	An Evaluation of the Delivery of Medicines Using Drones. <i>Drones</i> , 2019, 3, 52.	4.9	58
23	Anti-counterfeiting DNA molecular tagging of pharmaceutical excipients: An evaluation of lactose containing tablets. <i>International Journal of Pharmaceutics</i> , 2019, 571, 118656.	5.2	11
24	<p>Ocular anti-inflammatory activity of prednisolone acetate loaded chitosan-deoxycholate self-assembled nanoparticles</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3679-3689.	6.7	35
25	Retinal cell regeneration using tissue engineered polymeric scaffolds. <i>Drug Discovery Today</i> , 2019, 24, 1669-1678.	6.4	25
26	Potential Use of the Maillard Reaction for Pharmaceutical Applications: Gastric and Intestinal Controlled Release Alginate-Albumin Beads. <i>Pharmaceutics</i> , 2019, 11, 83.	4.5	15
27	Variability in the α and β anomer content of commercially available lactose. <i>International Journal of Pharmaceutics</i> , 2019, 555, 237-249.	5.2	24
28	Buccal drug delivery technologies for patient-centred treatment of radiation-induced xerostomia (dry mouth). <i>International Journal of Pharmaceutics</i> , 2018, 541, 157-166.	5.2	22
29	The use of albumin solid dispersion to enhance the solubility of unionizable drugs. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 732-738.	2.4	7
30	Crystallisation of freeze-dried sucrose in model mixtures that represent the amorphous sugar matrices present in confectionery. <i>Food and Function</i> , 2018, 9, 4621-4634.	4.6	10
31	Glycerol Solvates DPPC Headgroups and Localizes in the Interfacial Regions of Model Pulmonary Interfaces Altering Bilayer Structure. <i>Langmuir</i> , 2018, 34, 6941-6954.	3.5	25
32	Design and development of a biorelevant simulated human lung fluid. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 485-491.	3.0	32
33	Structural and enzyme kinetic studies of retrograded starch: Inhibition of α -amylase and consequences for intestinal digestion of starch. <i>Carbohydrate Polymers</i> , 2017, 164, 154-161.	10.2	104
34	A Biocompatible Synthetic Lung Fluid Based on Human Respiratory Tract Lining Fluid Composition. <i>Pharmaceutical Research</i> , 2017, 34, 2454-2465.	3.5	49
35	In-situ freeze-drying - forming amorphous solids directly within capsules: An investigation of dissolution enhancement for a poorly soluble drug. <i>Scientific Reports</i> , 2017, 7, 2910.	3.3	29
36	In Vitro Evaluation of Third Generation PAMAM Dendrimer Conjugates. <i>Molecules</i> , 2017, 22, 1661.	3.8	20

#	ARTICLE	IF	CITATIONS
37	Efficient approach to enhance drug solubility by particle engineering of bovine serum albumin. <i>International Journal of Pharmaceutics</i> , 2016, 515, 740-748.	5.2	22
38	Naloxone without the needle – systematic review of candidate routes for non-injectable naloxone for opioid overdose reversal. <i>Drug and Alcohol Dependence</i> , 2016, 163, 16-23.	3.2	38
39	Amorphous Formulation and <i>in Vitro</i> Performance Testing of Instantly Disintegrating Buccal Tablets for the Emergency Delivery of Naloxone. <i>Molecular Pharmaceutics</i> , 2016, 13, 1688-1698.	4.6	13
40	Effect of non-cross-linked calcium on characteristics, swelling behaviour, drug release and mucoadhesiveness of calcium alginate beads. <i>Carbohydrate Polymers</i> , 2016, 140, 163-170.	10.2	30
41	A study of starch gelatinisation behaviour in hydrothermally-processed plant food tissues and implications for <i>in vitro</i> digestibility. <i>Food and Function</i> , 2015, 6, 3634-3641.	4.6	87
42	Differences in physical chemistry and dissolution rate of solid particle aerosols from solution pressurised inhalers. <i>International Journal of Pharmaceutics</i> , 2014, 465, 42-51.	5.2	45
43	Stability of Sugar Solutions: A Novel Study of the Epimerization Kinetics of Lactose in Water. <i>Molecular Pharmaceutics</i> , 2014, 11, 2224-2238.	4.6	17
44	Infrared Spectroscopy with Heated Attenuated Total Internal Reflectance Enabling Precise Measurement of Thermally Induced Transitions in Complex Biological Polymers. <i>Analytical Chemistry</i> , 2013, 85, 3999-4006.	6.5	39
45	Immersion mode material pocket dynamic mechanical analysis (IMP-DMA): A novel tool to study gelatinisation of purified starches and starch-containing plant materials. <i>Carbohydrate Polymers</i> , 2012, 90, 628-636.	10.2	9
46	The Measurement of the α/β Anomer Composition Within Amorphous Lactose Prepared by Spray and Freeze Drying Using a Simple ¹ H-NMR Method. <i>Pharmaceutical Research</i> , 2012, 29, 511-524.	3.5	37
47	Characterisation and Deposition Studies of Recrystallised Lactose from Binary Mixtures of Ethanol/Butanol for Improved Drug Delivery from Dry Powder Inhalers. <i>AAPS Journal</i> , 2011, 13, 30-43.	4.4	61
48	Binding interactions of α -amylase with starch granules: The influence of supramolecular structure and surface area. <i>Carbohydrate Polymers</i> , 2011, 86, 1038-1047.	10.2	116
49	Removal of ciprofloxacin in simulated digestive media by activated charcoal entrapped within zinc-pectinate beads. <i>International Journal of Pharmaceutics</i> , 2009, 379, 251-259.	5.2	22
50	Monitoring crystallisation of drugs from fast-dissolving oral films with isothermal calorimetry. <i>International Journal of Pharmaceutics</i> , 2009, 380, 105-111.	5.2	28
51	A novel powder sample holder for the determination of glass transition temperatures by DMA. <i>International Journal of Pharmaceutics</i> , 2009, 371, 120-125.	5.2	41
52	A comparison of chemical reference materials for solution calorimeters. <i>International Journal of Pharmaceutics</i> , 2005, 299, 73-83.	5.2	18
53	The development of DMA for the detection of amorphous content in pharmaceutical powdered materials. <i>International Journal of Pharmaceutics</i> , 2005, 301, 181-191.	5.2	100
54	Application of Solution Calorimetry in Pharmaceutical and Biopharmaceutical Research. <i>Current Pharmaceutical Biotechnology</i> , 2005, 6, 215-222.	1.6	23

#	ARTICLE	IF	CITATIONS
55	An investigation of calibration methods for solution calorimetry. <i>International Journal of Pharmaceutics</i> , 2004, 269, 361-372.	5.2	28
56	The potential of high speed DSC (Hyper-DSC) for the detection and quantification of small amounts of amorphous content in predominantly crystalline samples. <i>International Journal of Pharmaceutics</i> , 2004, 274, 35-40.	5.2	92
57	Solution calorimetry as a tool to study the neutralising capacity of magnesium trisilicate mixture BP and its components. <i>Thermochimica Acta</i> , 2004, 417, 217-221.	2.7	5
58	The effect of hydration on the thermal behaviour of hydrophilic non-aqueous gels stabilised by Carbopol 974P. <i>Thermochimica Acta</i> , 2004, 417, 251-255.	2.7	6
59	The use of micro-thermal analysis as a means of in situ characterisation of a pharmaceutical tablet coat. <i>Thermochimica Acta</i> , 2001, 380, 165-173.	2.7	15
60	Characterization of amorphous ketoconazole using modulated temperature differential scanning calorimetry. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 996-1003.	3.3	16
61	An investigation into the surface deposition of progesterone on poly (d,l-) lactic acid microspheres using micro-thermal analysis. <i>Pharmaceutical Research</i> , 2001, 18, 294-298.	3.5	17
62	An evaluation of the use of modulated temperature DSC as a means of assessing the relaxation behaviour of amorphous lactose. <i>Pharmaceutical Research</i> , 2000, 17, 696-700.	3.5	54
63	Characterisation of moisture uptake effects on the glass transitional behaviour of an amorphous drug using modulated temperature DSC. <i>International Journal of Pharmaceutics</i> , 1999, 192, 39-46.	5.2	40
64	The detection of amorphous material in a nominally crystalline drug using modulated temperature DSC—a case study. <i>International Journal of Pharmaceutics</i> , 1999, 192, 55-62.	5.2	36
65	An investigation into the use of micro-thermal analysis for the solid state characterisation of an HPMC tablet formulation. <i>International Journal of Pharmaceutics</i> , 1999, 192, 97-103.	5.2	37
66	Monitor: Profiles. <i>Pharmaceutical Science & Technology Today</i> , 1999, 2, 217-219.	0.7	0
67	Characterisation of the glass transition of an amorphous drug using modulated DSC. <i>Pharmaceutical Research</i> , 1998, 15, 1117-1121.	3.5	69
68	The use of modulated temperature DSC for the study of pharmaceutical systems: potential uses and limitations. , 1998, 15, 1152-1153.		32