

# Peter Langguth

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,937  
citations

236612

25  
h-index

233125

45  
g-index

46  
all docs

46  
docs citations

46  
times ranked

4402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systemic RNA delivery to dendritic cells exploits antiviral defence for cancer immunotherapy. <i>Nature</i> , 2016, 534, 396-401.	13.7	1,243
2	In vivo methods for drug absorption – Comparative physiologies, model selection, correlations with in vitro methods (IVIVC), and applications for formulation/API/excipient characterization including food effects. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 99-151.	1.9	226
3	Effects of a quercetin-rich onion skin extract on 24 h ambulatory blood pressure and endothelial function in overweight-to-obese patients with (pre-)hypertension: a randomised double-blinded placebo-controlled cross-over trial. <i>British Journal of Nutrition</i> , 2015, 114, 1263-1277.	1.2	172
4	Mechanistic investigation of food effect on disintegration and dissolution of BCS class III compound solid formulations: the importance of viscosity. <i>Biopharmaceutics and Drug Disposition</i> , 2012, 33, 403-416.	1.1	95
5	In vitro models for the prediction of in vivo performance of oral dosage forms: Recent progress from partnership through the IMI OrBiTo collaboration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 70-83.	2.0	91
6	Influence of Polymer Molecular Weight on Drug – polymer Solubility: A Comparison between Experimentally Determined Solubility in PVP and Prediction Derived from Solubility in Monomer. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2905-2912.	1.6	84
7	Translating nanoparticulate-personalized cancer vaccines into clinical applications: case study with RNA-lipoplexes for the treatment of melanoma. <i>Nanomedicine</i> , 2016, 11, 2723-2734.	1.7	82
8	Influence of polymer molecular weight on in vitro dissolution behavior and in vivo performance of celecoxib:PVP amorphous solid dispersions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 101, 145-151.	2.0	62
9	Oral Solid Dosage Form Disintegration Testing – The Forgotten Test. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2664-2675.	1.6	51
10	In vitro dose comparison of Respimat <sup>®</sup> inhaler with dry powder inhalers for COPD maintenance therapy. <i>International Journal of COPD</i> , 2017, Volume 12, 1565-1577.	0.9	49
11	Higher plasma quercetin levels following oral administration of an onion skin extract compared with pure quercetin dihydrate in humans. <i>European Journal of Nutrition</i> , 2017, 56, 343-353.	4.6	45
12	No effects of quercetin from onion skin extract on serum leptin and adiponectin concentrations in overweight-to-obese patients with (pre-)hypertension: a randomized double-blinded, placebo-controlled crossover trial. <i>European Journal of Nutrition</i> , 2017, 56, 2265-2275.	1.8	45
13	Variable gastric emptying and discontinuities in drug absorption profiles: Dependence of rates and extent of cimetidine absorption on motility phase and pH. <i>Biopharmaceutics and Drug Disposition</i> , 1994, 15, 719-746.	1.1	44
14	Formulation predictive dissolution (fPD) testing to advance oral drug product development: An introduction to the US FDA funded –21st Century BA/BE–™ project. <i>International Journal of Pharmaceutics</i> , 2018, 548, 120-127.	2.6	41
15	Newer formulations of intravenous iron: a review of their chemistry and key safety aspects – hypersensitivity, hypophosphatemia, and cardiovascular safety. <i>Expert Opinion on Drug Safety</i> , 2021, 20, 757-769.	1.0	39
16	Effect of polymer type and drug dose on the in vitro and in vivo behavior of amorphous solid dispersions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 105, 106-114.	2.0	37
17	Acute intake of quercetin from onion skin extract does not influence postprandial blood pressure and endothelial function in overweight-to-obese adults with hypertension: a randomized, double-blind, placebo-controlled, crossover trial. <i>European Journal of Nutrition</i> , 2017, 56, 1347-1357.	1.8	37
18	Bio-predictive tablet disintegration: Effect of water diffusivity, fluid flow, food composition and test conditions. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 273-279.	1.9	36

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19	Preclinical Effect of Absorption Modifying Excipients on Rat Intestinal Transport of Model Compounds and the Mucosal Barrier Marker <sup>51</sup> Cr-EDTA. <i>Molecular Pharmaceutics</i> , 2017, 14, 4243-4251.	2.3	34
20	Mass Transport Analysis of Bicarbonate Buffer: Effect of the CO <sub>2</sub> and H <sub>2</sub> CO <sub>3</sub> Hydration/Dehydration Kinetics in the Fluid Boundary Layer and the Apparent Effective pK <sub>a</sub> Controlling Dissolution of Acids and Bases. <i>Molecular Pharmaceutics</i> , 2019, 16, 2626-2635.	2.3	34
21	Measurement of Carvedilol Enantiomers in Human Plasma and Urine Using S-Naproxen Chloride for Chiral Derivatization. <i>Archiv Der Pharmazie</i> , 1990, 323, 465-469.	2.1	32
22	Influence of Copolymer Composition on In Vitro and In Vivo Performance of Celecoxib-PVP/VA Amorphous Solid Dispersions. <i>AAPS Journal</i> , 2016, 18, 416-423.	2.2	29
23	The Influence of Chitosan on the Oral Bioavailability of Acyclovir—a Comparative Bioavailability Study in Humans. <i>Pharmaceutical Research</i> , 2015, 32, 2241-2249.	1.7	28
24	A Promising New Method to Estimate Drug-Polymer Solubility at Room Temperature. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2621-2624.	1.6	28
25	Unpredictable Performance of pH-Dependent Coatings Accentuates the Need for Improved Predictive <i>in Vitro</i> Test Systems. <i>Molecular Pharmaceutics</i> , 2017, 14, 4209-4219.	2.3	28
26	Effect of alpha-linolenic acid in combination with the flavonol quercetin on markers of cardiovascular disease risk in healthy, non-obese adults: A randomized, double-blinded placebo-controlled crossover trial. <i>Nutrition</i> , 2019, 58, 47-56.	1.1	28
27	Cellular uptake and in vitro antitumor efficacy of composite liposomes for neutron capture therapy. <i>Radiation Oncology</i> , 2015, 10, 52.	1.2	25
28	Mass Transport Analysis of the Enhanced Buffer Capacity of the Bicarbonate/CO <sub>2</sub> Buffer in a Phase-Heterogenous System: Physiological and Pharmaceutical Significance. <i>Molecular Pharmaceutics</i> , 2018, 15, 5291-5301.	2.3	23
29	Fasted-State Simulated Intestinal Fluid "FaSSIF-C", a Cholesterol Containing Intestinal Model Medium for In Vitro Drug Delivery Development. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2213-2224.	1.6	19
30	Effects of the flavonol quercetin and $\pm$ -linolenic acid on <i>n-3</i> PUFA status in metabolically healthy men and women: a randomised, double-blinded, placebo-controlled, crossover trial. <i>British Journal of Nutrition</i> , 2017, 117, 698-711.	1.2	17
31	In Vitro Evaluation of Enteric-Coated HPMC Capsules—Effect of Formulation Factors on Product Performance. <i>Pharmaceutics</i> , 2020, 12, 696.	2.0	17
32	Exploring gastric emptying rate in minipigs: Effect of food type and pre-dosing of metoclopramide. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 183-190.	1.9	14
33	The effect of chitosan on the bioaccessibility and intestinal permeability of acyclovir. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 147-155.	2.0	14
34	Formulation strategy towards minimizing viscosity mediated negative food effect on disintegration and dissolution of immediate release tablets. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 444-451.	0.9	13
35	Designing robust immediate release tablet formulations avoiding food effects for BCS class 3 drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 177-185.	2.0	11
36	Colonic absorption and bioavailability of the pentapeptide metkephamid in the rat. <i>Pharmaceutical Research</i> , 1994, 11, 1640-1645.	1.7	9

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37	Lung Deposition Using the Respimat <sup>®</sup> Soft Mist <sup>®</sup> Inhaler Mono and Fixed-Dose Combination Therapies: An <i>In Vitro</i> / <i>In Silico</i> Analysis. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2021, 18, 91-100.	0.7	9
38	Nanoparticle structure development in the gastro-intestinal model fluid FaSSIFmod6.5 from several phospholipids at various water content relevant for oral drug administration. European Journal of Lipid Science and Technology, 2014, 116, 1155-1166.	1.0	8
39	Biowaiver Monographs for Immediate Release Solid Oral Dosage Forms: Metformin Hydrochloride. Journal of Pharmaceutical Sciences, 2021, 110, 1513-1526.	1.6	8
40	Pharmacokinetics of morphine and its surrogates XI: Effect of simultaneously administered naltrexone and morphine on the pharmacokinetics and pharmacodynamics of each in the dog. Biopharmaceutics and Drug Disposition, 1990, 11, 419-444.	1.1	7
41	Differences in tissue distribution of iron from various clinically used intravenous iron complexes in fetal avian heart and liver.. Regulatory Toxicology and Pharmacology, 2015, 73, 65-72.	1.3	6
42	Effect of thickener on disintegration, dissolution and permeability of common drug products for elderly patients. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 153, 168-176.	2.0	6
43	Toward Mechanistic Design of Surrogate Buffers for Dissolution Testing of pH-Dependent Drug Delivery Systems. Pharmaceutics, 2020, 12, 1197.	2.0	3
44	Effect of Calcium Ions on the Disintegration of Enteric-Coated Solid Dosage Forms. Journal of Pharmaceutical Sciences, 2016, 105, 509-511.	1.6	2
45	Past, present and future of immunology in Mainz. Cellular Immunology, 2016, 308, 1-6.	1.4	0