Daniel Scotcher

List of Publications by Year
in descending order

21 papers	413 citations	759233 12 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	416 citing authors

#	Article	IF	Citations
1	Delineating the Role of Various Factors in Renal Disposition of Digoxin through Application of Physiologically Based Kidney Model to Renal Impairment Populations. Journal of Pharmacology and Experimental Therapeutics, 2017, 360, 484-495.	2.5	56
2	Novel minimal physiologically-based model for the prediction of passive tubular reabsorption and renal excretion clearance. European Journal of Pharmaceutical Sciences, 2016, 94, 59-71.	4.0	44
3	Key to Opening Kidney for In Vitroâ€“In Vivo Extrapolation Entrance in Health and Disease: Part I: In Vitro Systems and Physiological Data. AAPS Journal, 2016, 18, 1067-1081.	4.4	38
4	Quantitative Translation of Microfluidic Transporter in Vitro Data to in Vivo Reveals Impaired Albumin-Facilitated Indoxyl Sulfate Secretion in Chronic Kidney Disease. Molecular Pharmaceutics, 2019, 16, 4551-4562.	4.6	30
5	Key to Opening Kidney for In Vitro-In Vivo Extrapolation Entrance in Health and Disease: Part II: Mechanistic Models and In Vitro-In Vivo Extrapolation. AAPS Journal, 2016, 18, 1082-1094.	4.4	29
6	Microsomal and Cytosolic Scaling Factors in Dog and Human Kidney Cortex and Application for In Vitro-In Vivo Extrapolation of Renal Metabolic Clearance. Drug Metabolism and Disposition, 2017, 45, 556-568.	3.3	29
7	Mass spectrometryâ€based abundance atlas of ABC transporters in human liver, gut, kidney, brain and skin. FEBS Letters, 2020, 594, 4134-4150.	2.8	21
8	Mechanistic Models as Framework for Understanding Biomarker Disposition: Prediction of Creatinineâ€Drug Interactions. CPT: Pharmacometrics and Systems Pharmacology, 2020, 9, 282-293.	2.5	20
9	Clinical Investigation on Endogenous Biomarkers to Predict Strong OAT-Mediated Drugâ€“Drug Interactions. Clinical Pharmacokinetics, 2021, 60, 1187-1199.	3.5	20
10	Towards Further Verification of Physiologically-Based Kidney Models: Predictability of the Effects of Urine-Flow and Urine-pH on Renal Clearance. Journal of Pharmacology and Experimental Therapeutics, 2019, 368, 157-168.	2.5	17
11	Scaling Factors for Clearance in Adult Liver Cirrhosis. Drug Metabolism and Disposition, 2020, 48, 1271-1282.	3.3	16
12	Physiologicallyâ€Based Pharmacokinetic Modelling of Creatinineâ€Drug Interactions in the Chronic Kidney Disease Population. CPT: Pharmacometrics and Systems Pharmacology, 2020, 9, 695-706.	2.5	15
13	A Novel PhysiologicallyÂBased Model of Creatinine Renal Disposition to Integrate Current Knowledge of Systems Parameters and Clinical Observations. CPT: Pharmacometrics and Systems Pharmacology, 2020, 9, 310-321.	2.5	14
14	Quantitative Proteomic Map of Enzymes and Transporters in the Human Kidney: Stepping Closer to Mechanistic Kidney Models to Define Local Kinetics. Clinical Pharmacology and Therapeutics, 2021, 110, 1389-1400.	4.7	14
15	Effect of Chronic Kidney Disease on the Renal Secretion via Organic Anion Transporters 1/3: Implications for Physiologicallyâ€Based Pharmacokinetic Modeling and Dose Adjustment. Clinical Pharmacology and Therapeutics, 2022, 112, 643-652.	4.7	12
16	Physiologically Based Pharmacokinetic Modeling of Transporter-Mediated Hepatic Disposition of Imaging Biomarker Gadoxetate in Rats. Molecular Pharmaceutics, 2021, 18, 2997-3009.	4.6	10
17	Hepatic Scaling Factors for In Vitroâ€“In Vivo Extrapolation of Metabolic Drug Clearance in Patients with Colorectal Cancer with Liver Metastasis. Drug Metabolism and Disposition, 2021, 49, 563-571.	3.3	9
18	Coproporphyrin I as an Endogenous Biomarker to Detect Reduced <scp>OATP1B</scp> Activity and Shift in Elimination Route in Chronic Kidney Disease. Clinical Pharmacology and Therapeutics, 2022, 112, 615-626.	4.7	9

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19	Noninvasive Preclinical and Clinical Imaging of Liver Transporter Function Relevant to Drug-Induced Liver Injury. Methods in Pharmacology and Toxicology, 2018, , 627-651.	0.2	5
20	PBPK Simulation-Based Evaluation of Ganciclovir Crystalluria Risk Factors: Effect of Renal Impairment, Old Age, and Low Fluid Intake. AAPS Journal, 2022, 24, 13.	4.4	5
21	Bringing Microphysiological Systems to Practical Use: Evaluation of transporterâ€mediated DDI and Renal Clearance. FASEB Journal, 2021, 35, .	0.5	0