Ken Korzekwa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5803249/publications.pdf

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30	405	687363 13	794594 19
papers	citations	h-index	g-index

30	30	30	484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commentary: Nonspecific Protein Binding versus Membrane Partitioning: It Is Not Just Semantics. Drug Metabolism and Disposition, 2012, 40, 1649-1652.	3.3	57
2	A physiologically based pharmacokinetic model to predict the pharmacokinetics of highly proteinâ€bound drugs and the impact of errors in plasma protein binding. Biopharmaceutics and Drug Disposition, 2016, 37, 123-141.	1.9	32
3	Improved Predictions of Drugâ€“Drug Interactions Mediated by Time-Dependent Inhibition of CYP3A. Molecular Pharmaceutics, 2018, 15, 1979-1995.	4.6	26
4	A Numerical Method for Analysis of In Vitro Time-Dependent Inhibition Data. Part 1. Theoretical Considerations. Drug Metabolism and Disposition, 2014, 42, 1575-1586.	3.3	25
5	Development and evaluation of viscosity-enhanced nanocarrier (VEN) for oral insulin delivery. International Journal of Pharmaceutics, 2016, 511, 462-472.	5.2	25
6	A Numerical Method for Analysis of In Vitro Time-Dependent Inhibition Data. Part 2. Application to Experimental Data. Drug Metabolism and Disposition, 2014, 42, 1587-1595.	3.3	22
7	Drug Distribution Part 2. Predicting Volume of Distribution from Plasma Protein Binding and Membrane Partitioning. Pharmaceutical Research, 2017, 34, 544-551.	3.5	22
8	Compartmental Models for Apical Efflux by P-glycoproteinâ€”Part 1: Evaluation of Model Complexity. Pharmaceutical Research, 2014, 31, 347-359.	3.5	21
9	Time-dependent enzyme inactivation: Numerical analyses of in vitro data and prediction of drug-drug interactions. , 2020, 206, 107449.		21
10	Enzyme Kinetics of Oxidative Metabolism: Cytochromes P450. Methods in Molecular Biology, 2014, 1113, 149-166.	0.9	19
11	Mechanism-Based Inhibition of CYP3A4 by Podophyllotoxin: Aging of an Intermediate Is Important for in Vitro/in Vivo Correlations. Molecular Pharmaceutics, 2016, 13, 2833-2843.	4.6	19
12	Compartmental Models for Apical Efflux by P-glycoprotein: Part 2â€”A Theoretical Study on Transporter Kinetic Parameters. Pharmaceutical Research, 2014, 31, 335-346.	3.5	17
13	Prediction of Tissue-Plasma Partition Coefficients Using Microsomal Partitioning: Incorporation into Physiologically based Pharmacokinetic Models and Steady-State Volume of Distribution Predictions. Drug Metabolism and Disposition, 2019, 47, 1050-1060.	3.3	17
14	On the Nature of Physiologically-Based Pharmacokinetic Models â€“A Priori or A Posteriori? Mechanistic or Empirical?. Pharmaceutical Research, 2017, 34, 529-534.	3.5	15
15	Drug Distribution. Part 1. Models to Predict Membrane Partitioning. Pharmaceutical Research, 2017, 34, 535-543.	3.5	12
16	Continuous Intestinal Absorption Model Based on the Convectionâ€“Diffusion Equation. Molecular Pharmaceutics, 2017, 14, 3069-3086.	4.6	12
17	Methods to Predict Volume of Distribution. Current Pharmacology Reports, 2019, 5, 391-399.	3.0	7
18	Impact of Lipid Partitioning on the Design, Analysis, and Interpretation of Microsomal Time-Dependent Inactivation. Drug Metabolism and Disposition, 2019, 47, 732-742.	3.3	6

#	Article	IF	Citations
19	A hybrid model to evaluate the impact of active uptake transport on hepatic distribution of atorvastatin in rats. Xenobiotica, 2020, 50, 536-544.	1.1	5
20	Enzyme Kinetics of Oxidative Metabolismâ€"Cytochromes P450. Methods in Molecular Biology, 2021, 2342, 237-256.	0.9	5
21	Numerical analysis of time-dependent inhibition kinetics: comparison between rat liver microsomes and rat hepatocyte data for mechanistic model fitting. Xenobiotica, 2020, 50, 1301-1310.	1.1	4
22	Complex Cytochrome P450 kinetics due to multisubstrate binding and sequential metabolism. Part 2. Modeling of experimental data. Drug Metabolism and Disposition, 2021, 49, DMD-AR-2021-000554.	3.3	4
23	A Permeabilityâ€•and Perfusionâ€based <scp>PBPK</scp> model for Improved Prediction of Concentrationâ€time Profiles. Clinical and Translational Science, 2022, , .	3.1	4
24	Numerical Methods for Modeling Enzyme Kinetics. Methods in Molecular Biology, 2021, 2342, 147-168.	0.9	3
25	Using Partition Analysis as a Facile Method to Derive Net Clearances. Clinical and Translational Science, 2022, , .	3.1	2
26	Complex Cytochrome P450 kinetics due to multisubstrate binding and sequential metabolism. Part 1. Theoretical considerations.. Drug Metabolism and Disposition, 2021, 49, DMD-AR-2021-000553.	3.3	1
27	Case Study 4. Predicting the Drug Interaction Potential for Inhibition of CYP2C8 by Montelukast. Methods in Molecular Biology, 2014, 1113, 461-469.	0.9	1
28	Predicting impact of food and feeding time on oral absorption of drugs with a novel rat continuous intestinal absorption model. Drug Metabolism and Disposition, 2022, , DMD-AR-2022-000831.	3.3	1
29	Case Study 5: Predicting the Drug Interaction Potential for Inhibition of CYP2C8 by Montelukast. Methods in Molecular Biology, 2021, 2342, 685-693.	0.9	0
30	Numerical method analysis of the activation and timeâ€dependent inhibition of midazolam metabolism by ticlopidine. FASEB Journal, 2020, 34, 1-1.	0.5	0