Leonie Lautz

List of Publications by Year
in descending order

18 papers	**353** citations	759233 **12** h-index	839539 **18** g-index
19 all docs	**19** docs citations	**19** times ranked	**302** citing authors

#	Article	IF	Citations
1	Evaluation of SimpleTreat 4.0: Simulations of pharmaceutical removal in wastewater treatment plant facilities. Chemosphere, 2017, 168, 870-876.	8.2	38
2	Metabolism and pharmacokinetics of pharmaceuticals in cats (Felix sylvestris catus) and implications for the risk assessment of feed additives and contaminants. Toxicology Letters, 2021, 338, 114-127.	0.8	37
3	An open source physiologically based kinetic model for the chicken (Gallus gallus domesticus): Calibration and validation for the prediction residues in tissues and eggs. Environment International, 2020, 136, 105488.	10.0	35
4	Human variability in isoform-specific UDP-glucuronosyltransferases: markers of acute and chronic exposure, polymorphisms and uncertainty factors. Archives of Toxicology, 2020, 94, 2637-2661.	4.2	28
5	Human variability in glutathione-S-transferase activities, tissue distribution and major polymorphic variants: Meta-analysis and implication for chemical risk assessment. Toxicology Letters, 2021, 337, 78-90.	0.8	27
6	Generic physiologically based kinetic modelling for farm animals: Part I. Data collection of physiological parameters in swine, cattle and sheep. Toxicology Letters, 2020, 319, 95-101.	0.8	25
7	Acetylcholinesterase inhibition in electric eel and human donor blood: an in vitro approach to investigate interspecies differences and human variability in toxicodynamics. Archives of Toxicology, 2020, 94, 4055-4065.	4.2	22
8	Bayesian meta-analysis of inter-phenotypic differences in human serum paraoxonase-1 activity for chemical risk assessment. Environment International, 2020, 138, 105609.	10.0	19
9	Generic physiologically based kinetic modelling for farm animals: Part II. Predicting tissue concentrations of chemicals in swine, cattle, and sheep. Toxicology Letters, 2020, 318, 50-56.	0.8	16
10	Human variability in influx and efflux transporters in relation to uncertainty factors for chemical risk assessment. Food and Chemical Toxicology, 2020, 140, 111305.	3.6	16
11	Human variability in polymorphic CYP2D6 metabolism: Implications for the risk assessment of chemicals in food and emerging designer drugs. Environment International, 2021, 156, 106760.	10.0	16
12	Human Variability in Carboxylesterases and carboxylesterase-related Uncertainty Factors for Chemical Risk Assessment. Toxicology Letters, 2021, 350, 162-170.	0.8	14
13	Modelling human variability in toxicokinetic and toxicodynamic processes using Bayesian meta‐analysis, physiologically‐based modelling and in vitro systems. EFSA Supporting Publications, 2021, 18, 6504E.	0.7	13
14	OpenCYP: An open source database exploring human variability in activities and frequencies of polymophisms for major cytochrome P-450 isoforms across world populations. Toxicology Letters, 2021, 350, 267-282.	0.8	7
15	Application of in vitro data in physiologically-based kinetic models for quantitative in vitro-in vivo extrapolation: A case-study for baclofen. Toxicology in Vitro, 2021, 76, 105223.	2.4	7
16	Inter-phenotypic differences in CYP2C9 and CYP2C19 metabolism: Bayesian meta-regression of human population variability in kinetics and application in chemical risk assessment. Toxicology Letters, 2021, 337, 111-120.	0.8	5
17	Fipronil and fipronil sulfone in chicken: From in vitro experiments to in vivo PBK model predictions. Food and Chemical Toxicology, 2022, 165, 113086.	3.6	2
18	In vitro metabolism of lidocaine in subcellular post-mitochondrial fractions and precision cut slices from cattle liver. Toxicology in Vitro, 2021, 76, 105228.	2.4	0