Wouter H J Vaes

List of Publications by Year
in descending order

40	2,481	236925 25	315739 38
papers	citations	h-index	g-index

40	40	40	2252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microdosing as a Potential Tool to Enhance Clinical Development of Novel Antibiotics: A Tissue and Plasma PK Feasibility Study with Ciprofloxacin. Clinical Pharmacokinetics, 2022, , 1.	3.5	5
2	The Oral Bioavailability and Metabolism of Midazolam in Stable Critically Ill Children: A Pharmacokinetic Microtracing Study. Clinical Pharmacology and Therapeutics, 2021, 109, 140-149.	4.7	14
3	Quantification of azacitidine incorporation into human DNA/RNA by accelerator mass spectrometry as direct measure of target engagement. Journal of Pharmaceutical and Biomedical Analysis, 2021, 202, 114152.	2.8	0
4	Proof of Concept: First Pediatric [14 C]microtracer Study to Create Metabolite Profiles of Midazolam. Clinical Pharmacology and Therapeutics, 2020, 108, 1003-1009.	4.7	4
5	Towards human ex vivo organ perfusion models to elucidate drug pharmacokinetics in health and disease. Drug Metabolism Reviews, 2020, 52, 438-454.	3.6	10
6	Enteral Acetaminophen Bioavailability in Pediatric Intensive Care Patients Determined With an Oral Microtracer and Pharmacokinetic Modeling to Optimize Dosing. Critical Care Medicine, 2019, 47, e975-e983.	0.9	11
7	Successful Use of [14C]Paracetamol Microdosing to Elucidate Developmental Changes in Drug Metabolism. Clinical Pharmacokinetics, 2017, 56, 1185-1195.	3.5	19
8	The impact of early human data on clinical development: there is time to win. Drug Discovery Today, 2016, 21, 873-879.	6.4	11
9	Proteomic Analysis of the Developmental Trajectory of Human Hepatic Membrane Transporter Proteins in the First Three Months of Life. Drug Metabolism and Disposition, 2016, 44, 1005-1013.	3.3	35
10	To Apply Microdosing or Not? Recommendations to Single Out Compounds with Non-Linear Pharmacokinetics. Clinical Pharmacokinetics, 2016, 55, 1-15.	3.5	27
11	Observational infant exploratory [¹⁴C]â€paracetamol pharmacokinetic microdose/therapeutic dose study with accelerator mass spectrometry bioanalysis. British Journal of Clinical Pharmacology, 2015, 80, 157-167.	2.4	18
12	Pediatric Microdose Study of [14C]Paracetamol to Study Drug Metabolism Using Accelerated Mass Spectrometry: Proof of Concept. Clinical Pharmacokinetics, 2014, 53, 1045-1051.	3.5	29
13	Automated Combustion Accelerator Mass Spectrometry for the Analysis of Biomedical Samples in the Low Attomole Range. Analytical Chemistry, 2014, 86, 7635-7641.	6.5	40
14	Effect of Red Wine Consumption on Biomarkers of Oxidative Stress. Alcohol and Alcoholism, 2013, 48, 153-159.	1.6	39
15	Potency of isothiocyanates to induce luciferase reporter gene expression via the electrophile-responsive element from murine glutathione S-transferase Ya. Toxicology in Vitro, 2009, 23, 617-621.	2.4	10
16	Bioavailability and Kinetics of Sulforaphane in Humans after Consumption of Cooked versus Raw Broccoli. Journal of Agricultural and Food Chemistry, 2008, 56, 10505-10509.	5.2	123
17	Association between Consumption of Cruciferous Vegetables and Condiments and Excretion in Urine of Isothiocyanate Mercapturic Acids. Journal of Agricultural and Food Chemistry, 2006, 54, 5350-5358.	5.2	79
18	Analysis of Isothiocyanate Mercapturic Acids in Urine:Â A Biomarker for Cruciferous Vegetable Intake. Journal of Agricultural and Food Chemistry, 2003, 51, 3554-3559.	5.2	33

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19	Sorption Kinetics and Microbial Biodegradation Activity of Hydrophobic Chemicals in Sewage Sludge:Â Model and Measurements Based on Free Concentrations. Environmental Science & Technology, 2003, 37, 116-122.	10.0	54
20	Evaluation of Simple Treat 3.0 for two hydrophobic and slowly biodegradable chemicals: polycyclic musks HHCB and AHTN. Water Research, 2003, 37, 4377-4384.	11.3	19
21	Removal of Two Polycyclic Musks in Sewage Treatment Plants:Â Freely Dissolved and Total Concentrations. Environmental Science & Technology, 2003, 37, 3111-3116.	10.0	77
22	Negligible Depletion Solid-Phase Microextraction with Radiolabeled Analytes To Study Free Concentrations and Protein Binding:â€‰ An Example with [3H]Estradiol. Analytical Chemistry, 2002, 74, 5993-5997.	6.5	61
23	A Vegetable/Fruit Concentrate with High Antioxidant Capacity Has No Effect on Biomarkers of Antioxidant Status in Male Smokers. Journal of Nutrition, 2001, 131, 1714-1722.	2.9	122
24	Application of Negligible Depletion Solid-Phase Extraction (nd-SPE) for Estimating Bioavailability and Bioaccumulation of Individual Chemicals and Mixtures. ACS Symposium Series, 2000, , 64-74.	0.5	3
25	Influence of pH and Other Modifying Factors on the Distribution Behavior of 4-Quinolones to Solid Phases and Humic Acids Studied by â€œNegligible-Depletionâ€•SPMEâ^'HPLC. Environmental Science & Technology, 2000, 34, 4989-4994.	10.0	92
26	Absorption of Hydrophobic Compounds into the Poly(dimethylsiloxane) Coating of Solid-Phase Microextraction Fibers:Â High Partition Coefficients and Fluorescence Microscopy Images. Analytical Chemistry, 2000, 72, 459-464.	6.5	172
27	Polyacrylate-Coated SPME Fibers as a Tool To Simulate Body Residues and Target Concentrations of Complex Organic Mixtures for Estimation of Baseline Toxicity. Environmental Science & Technology, 2000, 34, 324-331.	10.0	73
28	Sensing Dissolved Sediment Porewater Concentrations of Persistent and Bioaccumulative Pollutants Using Disposable Solid-Phase Microextraction Fibers. Environmental Science & Technology, 2000, 34, 5177-5183.	10.0	285
29	Understanding and Estimating Membrane/Water Partition Coefficients: Approaches to Derive Quantitative Structure Property Relationships. , 2000, , 245-248.		0
30	Analysis of the Time-Dependent Acute Aquatic Toxicity of Organophosphorus Pesticides:Â The Critical Target Occupation Model. Environmental Science & Technology, 1999, 33, 917-925.	10.0	76
31	Modeling The Effect of Solvation on Structure, Reactivity, and Partitioning of Organic Solutes: Utility in Drug Design. The IMA Volumes in Mathematics and Its Applications, 1999, , 51-72.	0.5	10
32	Acute toxicity of nonpolar versus polar narcosis: Is there a difference?. Environmental Toxicology and Chemistry, 1998, 17, 1380-1384.	4.3	143
33	Using Solid-Phase Microextraction To Determine Partition Coefficients to Humic Acids and Bioavailable Concentrations of Hydrophobic Chemicals. Environmental Science & Technology, 1998, 32, 3430-3435.	10.0	172
34	Understanding and Estimating Membrane/Water Partition Coefficients:Â Approaches To Derive Quantitative Structure Property Relationships. Chemical Research in Toxicology, 1998, 11, 847-854.	3.3	79
35	Quantitative Structureâ^'Activity Relationships for the Aquatic Toxicity of Polar and Nonpolar Narcotic Pollutants. Journal of Chemical Information and Computer Sciences, 1998, 38, 845-852.	2.8	64
36	Solid Phase Microextraction as a Tool To Determine Membrane/Water Partition Coefficients and Bioavailable Concentrations inin VitroSystems. Chemical Research in Toxicology, 1997, 10, 1067-1072.	3.3	161

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37	Polar narcosis: Designing a suitable training set for QSAR studies. Environmental Science and Pollution Research, 1997, 4, 83-90.	5.3	26
38	A novel approach for dissolving chemicals with low aqueous solubility: Generator disk in the headspace. Environmental Toxicology and Chemistry, 1997, 16, 2229-2231.	4.3	8
39	Measurement of the Free Concentration Using Solid-Phase Microextraction:Â Binding to Protein. Analytical Chemistry, 1996, 68, 4463-4467.	6.5	193
40	Partitioning of Organic Chemicals to Polyacrylate-Coated Solid Phase Microextraction Fibers:Â Kinetic Behavior and Quantitative Structureâ^'Property Relationships. Analytical Chemistry, 1996, 68, 4458-4462.	6.5	84