

Jos Bessems

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,739
citations

257450

24
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a systematic use of effect biomarkers in population and occupational biomonitoring. <i>Environment International</i> , 2021, 146, 106257.	10.0	48
2	Chemical prioritisation strategy in the European Human Biomonitoring Initiative (HBM4EU) – Development and results. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 236, 113778.	4.3	55
3	Biomonitoring as an Underused Exposure Assessment Tool in Occupational Safety and Health Context – Challenges and Way Forward. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5884.	2.6	34
4	Human biomonitoring in health risk assessment in Europe: Current practices and recommendations for the future. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 727-737.	4.3	124
5	Next generation physiologically based kinetic (NG-PBK) models in support of regulatory decision making. <i>Computational Toxicology</i> , 2019, 9, 61-72.	3.3	91
6	Development of Policy Relevant Human Biomonitoring Indicators for Chemical Exposure in the European Population. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2085.	2.6	26
7	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. <i>Toxicology in Vitro</i> , 2018, 53, 233-244.	2.4	15
8	The margin of internal exposure (MOIE) concept for dermal risk assessment based on oral toxicity data – A case study with caffeine. <i>Toxicology</i> , 2017, 392, 119-129.	4.2	28
9	From in vitro to in vivo: Integration of the virtual cell based assay with physiologically based kinetic modelling. <i>Toxicology in Vitro</i> , 2017, 45, 241-248.	2.4	17
10	Evaluation of semi-generic PBTK modeling for emergency risk assessment after acute inhalation exposure to volatile hazardous chemicals. <i>Chemosphere</i> , 2015, 132, 47-55.	8.2	2
11	Evaluation of three physiologically based pharmacokinetic (PBPK) modeling tools for emergency risk assessment after acute dichloromethane exposure. <i>Toxicology Letters</i> , 2015, 232, 21-27.	0.8	3
12	PBTK modelling platforms and parameter estimation tools to enable animal-free risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 68, 119-139.	2.7	109
13	Human risk assessment of dermal and inhalation exposures to chemicals assessed by route-to-route extrapolation: The necessity of kinetic data. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 54-64.	2.7	19
14	Case study illustrating the WHO IPCS guidance on characterization and application of physiologically based pharmacokinetic models in risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 66, 116-129.	2.7	30
15	Does EU legislation allow the use of the Benchmark dose (BMD) approach for risk assessment?. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 182-188.	2.7	11
16	Toxicokinetics as a key to the integrated toxicity risk assessment based primarily on non-animal approaches. <i>Toxicology in Vitro</i> , 2013, 27, 1570-1577.	2.4	118
17	Proper knowledge on toxicokinetics improves human hazard testing and subsequent health risk characterisation. A case study approach. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 325-334.	2.7	19
18	Report from the EPAA workshop: In vitro ADME in safety testing used by EPAA industry sectors. <i>Toxicology in Vitro</i> , 2011, 25, 589-604.	2.4	30

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19	Application of toxicogenomics in hepatic systems toxicology for risk assessment: Acetaminophen as a case study. <i>Toxicology and Applied Pharmacology</i> , 2011, 250, 96-107.	2.8	43
20	Comparison of the mouse Embryonic Stem cell Test, the rat Whole Embryo Culture and the Zebrafish Embryotoxicity Test as alternative methods for developmental toxicity testing of six 1,2,4-triazoles. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 103-111.	2.8	87
21	Alternative (non-animal) methods for cosmetics testing: current status and future prospectsâ€”2010. <i>Archives of Toxicology</i> , 2011, 85, 367-485.	4.2	488
22	Finding maximal transcriptome differences between reprotoxic and nonâ€”reprotoxic phthalate responses in rat testis. <i>Journal of Applied Toxicology</i> , 2011, 31, 421-430.	2.8	4
23	Development of good modelling practice for physiologically based pharmacokinetic models for use in risk assessment: The first steps. <i>Regulatory Toxicology and Pharmacology</i> , 2008, 50, 400-411.	2.7	91
24	Improving the applicability of (Q)SARs for percutaneous penetration in regulatory risk assessment. <i>Human and Experimental Toxicology</i> , 2008, 27, 269-276.	2.2	35
25	Quantitative Extrapolation of In Vitro Whole Embryo Culture Embryotoxicity Data to Developmental Toxicity In Vivo Using the Benchmark Dose Approach. <i>Toxicological Sciences</i> , 2008, 101, 91-100.	3.1	50
26	Development of a QSAR for worst case estimates of acute toxicity of chemically reactive compounds. <i>Toxicology Letters</i> , 2007, 170, 214-222.	0.8	25
27	Evaluation of published QSARs for percutaneous penetration. <i>Toxicology Letters</i> , 2006, 164, S322.	0.8	1
28	Dermal Absorption of Pesticides. , 2005, , 317-340.		2
29	Neurobehavioural evaluation and kinetics of inhalation of constant or fluctuating toluene concentrations in human volunteers. <i>Environmental Toxicology and Pharmacology</i> , 2005, 20, 431-442.	4.0	7
30	Subacute (28-day) toxicity of furfural in Fischer 344 rats: a comparison of the oral and inhalation route. <i>Food and Chemical Toxicology</i> , 2004, 42, 1389-1399.	3.6	55
31	Oral-to-inhalation route extrapolation in occupational health risk assessment: a critical assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2004, 39, 5-11.	2.7	30
32	Paracetamol (Acetaminophen)-Induced Toxicity: Molecular and Biochemical Mechanisms, Analogues and Protective Approaches. <i>Critical Reviews in Toxicology</i> , 2001, 31, 55-138.	3.9	611
33	Toxicological profile foro-benzyl-p-chlorophenol. <i>Journal of Applied Toxicology</i> , 1998, 18, 271-279.	2.8	8
34	Hydrogen atom abstraction of 3,5-disubstituted analogues of paracetamol by horseradish peroxidase and cytochrome P450. <i>Xenobiotica</i> , 1998, 28, 855-875.	1.1	20
35	Cytotoxicity of paracetamol and 3,5-dihalogenated analogues: Role of cytochrome P-450 and formation of GSH conjugates and protein adducts. <i>Toxicology in Vitro</i> , 1997, 11, 9-19.	2.4	6
36	Rat liver microsomal cytochrome P450-dependent oxidation of 3,5-disubstituted analogues of paracetamol. <i>Xenobiotica</i> , 1996, 26, 647-666.	1.1	15

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37	3,5-Disubstituted analogues of paracetamol. Synthesis, analgesic activity and cytotoxicity. <i>Chemico-Biological Interactions</i> , 1995, 98, 237-250.	4.0	20
38	Mechanism of protection of ebselen against paracetamol-induced toxicity in rat hepatocytes. <i>Biochemical Pharmacology</i> , 1994, 48, 1631-1640.	4.4	31
39	Biotransformation of 1,2-dihydronaphthalene and 1,2-dihydroanthracene by rat liver microsomes and purified cytochromes P-450. Formation of arene hydrates of naphthalene and anthracene. <i>Chemical Research in Toxicology</i> , 1993, 6, 808-812.	3.3	11
40	Molecular Aspects of Paracetamol-Induced Hepatotoxicity and its Mechanism-Based Prevention. <i>Drug Metabolism Reviews</i> , 1992, 24, 367-407.	3.6	277
41	The relation between the oxidative biotransformation of hexachlorobenzene and its porphyrinogenic activity. <i>Toxicology and Applied Pharmacology</i> , 1989, 100, 517-528.	2.8	43