

Jean Lou C M Dorne

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8762830/jean-lou-c-m-dorne-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

2,973
citations

35
h-index

52
g-index

107
ext. papers

3,608
ext. citations

5.2
avg, IF

5.45
L-index

#	Paper	IF	Citations
94	QSAR models for soil ecotoxicity: Development and validation of models to predict reproductive toxicity of organic chemicals in the collembola <i>Folsomia candida</i> . <i>Journal of Hazardous Materials</i> , 2022 , 423, 127236	12.8	6
93	In Silico Methods for Environmental Risk Assessment: Principles, Tiered Approaches, Applications, and Future Perspectives.. <i>Methods in Molecular Biology</i> , 2022 , 2425, 589-636	1.4	4
92	A regression-based QSAR-model to predict acute toxicity of aromatic chemicals in tadpoles of the Japanese brown frog (<i>Rana japonica</i>): Calibration, validation, and future developments to support risk assessment of chemicals in amphibians.. <i>Science of the Total Environment</i> , 2022 , 830, 154795	10.2	0
91	Investigating the interaction between organic anion transporter 1 and ochratoxin A: An in silico structural study to depict early molecular events of substrate recruitment and the impact of single point mutations. <i>Toxicology Letters</i> , 2021 , 355, 19-30	4.4	0
90	Vipers of Major clinical relevance in Europe: Taxonomy, venom composition, toxicology and clinical management of human bites. <i>Toxicology</i> , 2021 , 453, 152724	4.4	8
89	A systems-based approach to the environmental risk assessment of multiple stressors in honey bees. <i>EFSA Journal</i> , 2021 , 19, e06607	2.3	3
88	Derivation of a Human In Vivo Benchmark Dose for Perfluorooctanoic Acid From ToxCast In Vitro Concentration-Response Data Using a Computational Workflow for Probabilistic Quantitative In Vitro to In Vivo Extrapolation. <i>Frontiers in Pharmacology</i> , 2021 , 12, 630457	5.6	2
87	Integrated Models for the Prediction of No-Observed-(Adverse)-Effect Levels and Lowest-Observed-(Adverse)-Effect Levels in Rats for Sub-chronic Repeated-Dose Toxicity. <i>Chemical Research in Toxicology</i> , 2021 , 34, 247-257	4	5
86	Metabolism and pharmacokinetics of pharmaceuticals in cats (<i>Felix sylvestrus catus</i>) and implications for the risk assessment of feed additives and contaminants. <i>Toxicology Letters</i> , 2021 , 338, 114-127	4.4	13
85	EFSA's OpenFoodTox: An open source toxicological database on chemicals in food and feed and its future developments. <i>Environment International</i> , 2021 , 146, 106293	12.9	19
84	Inter-phenotypic differences in CYP2C9 and CYP2C19 metabolism: Bayesian meta-regression of human population variability in kinetics and application in chemical risk assessment. <i>Toxicology Letters</i> , 2021 , 337, 111-120	4.4	2
83	Sourcing data on chemical properties and hazard data from the US-EPA CompTox Chemicals Dashboard: A practical guide for human risk assessment. <i>Environment International</i> , 2021 , 154, 106566	12.9	13
82	Human Variability in Carboxylesterases and carboxylesterase-related Uncertainty Factors for Chemical Risk Assessment. <i>Toxicology Letters</i> , 2021 , 350, 162-170	4.4	1
81	Human variability in polymorphic CYP2D6 metabolism: Implications for the risk assessment of chemicals in food and emerging designer drugs. <i>Environment International</i> , 2021 , 156, 106760	12.9	6
80	Scientific Opinion of the Scientific Panel on Plant Protection Products and their Residues (PPR Panel) on testing and interpretation of comparative metabolism studies.. <i>EFSA Journal</i> , 2021 , 19, e06970 ^{2,3}		0
79	Human variability in isoform-specific UDP-glucuronosyltransferases: markers of acute and chronic exposure, polymorphisms and uncertainty factors. <i>Archives of Toxicology</i> , 2020 , 94, 2637-2661	5.8	11
78	Integrating QSAR models predicting acute contact toxicity and mode of action profiling in honey bees (<i>A. mellifera</i>): Data curation using open source databases, performance testing and validation. <i>Science of the Total Environment</i> , 2020 , 735, 139243	10.2	12

77	The using of the Index of Ideality of Correlation (IIC) to improve predictive potential of models of water solubility for pesticides. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 13339-13347	5.1	16
76	Bayesian meta-analysis of inter-phenotypic differences in human serum paraoxonase-1 activity for chemical risk assessment. <i>Environment International</i> , 2020 , 138, 105609	12.9	11
75	In vitro detoxication of microcystins in human samples: variability among variants with different hydrophilicity and structure. <i>Toxicology Letters</i> , 2020 , 322, 131-139	4.4	5
74	Occurrence and Co-Occurrence of Mycotoxins in Cereal-Based Feed and Food. <i>Microorganisms</i> , 2020 , 8,	4.9	55
73	The index of ideality of correlation and the variety of molecular rings as a base to improve model of HIV-1 protease inhibitors activity. <i>Structural Chemistry</i> , 2020 , 31, 1441-1448	1.8	2
72	What is considered cardiotoxicity of anthracyclines in animal studies. <i>Oncology Reports</i> , 2020 , 44, 798-813	3.5	13
71	Mycotoxins in maize: mitigation actions, with a chain management approach. <i>Phytopathologia Mediterranea</i> , 2020 , 59, 5-28	2.3	5
70	An open source physiologically based kinetic model for the chicken (<i>Gallus gallus domesticus</i>): Calibration and validation for the prediction residues in tissues and eggs. <i>Environment International</i> , 2020 , 136, 105488	12.9	19
69	Generic physiologically based kinetic modelling for farm animals: Part I. Data collection of physiological parameters in swine, cattle and sheep. <i>Toxicology Letters</i> , 2020 , 319, 95-101	4.4	17
68	An in silico structural approach to characterize human and rainbow trout estrogenicity of mycotoxins: Proof of concept study using zearalenone and alternariol. <i>Food Chemistry</i> , 2020 , 312, 126088	8.5	12
67	Predicting acute contact toxicity of organic binary mixtures in honey bees (<i>A. mellifera</i>) through innovative QSAR models. <i>Science of the Total Environment</i> , 2020 , 704, 135302	10.2	21
66	The Route of Mycotoxins in the Grape Food Chain. <i>American Journal of Enology and Viticulture</i> , 2020 , 71, 89-104	2.2	8
65	Preventing the Interaction between Coronaviruses Spike Protein and Angiotensin I Converting Enzyme 2: An In Silico Mechanistic Case Study on Emodin as a Potential Model Compound. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6358	2.6	1
64	Phosmet bioactivation by isoform-specific cytochrome P450s in human hepatic and gut samples and metabolic interaction with chlorpyrifos. <i>Food and Chemical Toxicology</i> , 2020 , 143, 111514	4.7	7
63	Acetylcholinesterase inhibition in electric eel and human donor blood: an in vitro approach to investigate interspecies differences and human variability in toxicodynamics. <i>Archives of Toxicology</i> , 2020 , 94, 4055-4065	5.8	11
62	Utility of In Vitro Bioactivity as a Lower Bound Estimate of In Vivo Adverse Effect Levels and in Risk-Based Prioritization. <i>Toxicological Sciences</i> , 2020 , 173, 202-225	4.4	52
61	Generic physiologically based kinetic modelling for farm animals: Part II. Predicting tissue concentrations of chemicals in swine, cattle, and sheep. <i>Toxicology Letters</i> , 2020 , 318, 50-56	4.4	10
60	The index of ideality of correlation: models for flammability of binary liquid mixtures. <i>Chemical Papers</i> , 2020 , 74, 601-609	1.9	13

59	Human variability in influx and efflux transporters in relation to uncertainty factors for chemical risk assessment. <i>Food and Chemical Toxicology</i> , 2020 , 140, 111305	4.7	8
58	Integrating in silico models and read-across methods for predicting toxicity of chemicals: A step-wise strategy. <i>Environment International</i> , 2019 , 131, 105060	12.9	43
57	Metabolism of triflumuron in the human liver: Contribution of cytochrome P450 isoforms and esterases. <i>Toxicology Letters</i> , 2019 , 312, 173-180	4.4	2
56	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. <i>EFSA Journal</i> , 2019 , 17, e05634	2.3	100
55	Investigating the interaction between melamine and cyanuric acid using a Physiologically-Based Toxicokinetic model in rainbow trout. <i>Toxicology and Applied Pharmacology</i> , 2019 , 370, 184-195	4.6	11
54	Inter-ethnic differences in CYP3A4 metabolism: A Bayesian meta-analysis for the refinement of uncertainty factors in chemical risk assessment. <i>Computational Toxicology</i> , 2019 , 12, 100092	3.1	9
53	Investigating combined toxicity of binary mixtures in bees: Meta-analysis of laboratory tests, modelling, mechanistic basis and implications for risk assessment. <i>Environment International</i> , 2019 , 133, 105256	12.9	33
52	A generic Bayesian hierarchical model for the meta-analysis of human population variability in kinetics and its applications in chemical risk assessment. <i>Computational Toxicology</i> , 2019 , 12, 100106	3.1	7
51	Generic physiologically-based toxicokinetic modelling for fish: Integration of environmental factors and species variability. <i>Science of the Total Environment</i> , 2019 , 651, 516-531	10.2	36
50	The Yin-Yang of CYP3A4: a Bayesian meta-analysis to quantify inhibition and induction of CYP3A4 metabolism in humans and refine uncertainty factors for mixture risk assessment. <i>Archives of Toxicology</i> , 2019 , 93, 107-119	5.8	8
49	Dynamic energy budget models in ecological risk assessment: From principles to applications. <i>Science of the Total Environment</i> , 2018 , 628-629, 249-260	10.2	35
48	The application of new HARD-descriptor available from the CORAL software to building up NOAEL models. <i>Food and Chemical Toxicology</i> , 2018 , 112, 544-550	4.7	26
47	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. <i>Toxicology in Vitro</i> , 2018 , 53, 233-244	3.6	8
46	EFSA Scientific Colloquium 24 Toxics in risk assessment: state of the art and next steps. <i>EFSA Supporting Publications</i> , 2018 , 15, 1512E	1.1	20
45	Current EU research activities on combined exposure to multiple chemicals. <i>Environment International</i> , 2018 , 120, 544-562	12.9	119
44	SAR for gastro-intestinal absorption and blood-brain barrier permeation of pesticides. <i>Chemico-Biological Interactions</i> , 2018 , 290, 1-5	5	7
43	Risk assessment of pesticides and other stressors in bees: Principles, data gaps and perspectives from the European Food Safety Authority. <i>Science of the Total Environment</i> , 2017 , 587-588, 524-537	10.2	64
42	QSAR models for predicting acute toxicity of pesticides in rainbow trout using the CORAL software and EFSA's OpenFoodTox database. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 53, 158-163	5.8	42

41	Guidance on the risk assessment of substances present in food intended for infants below 16 weeks of age. <i>EFSA Journal</i> , 2017 , 15, e04849	2.3	60
40	Guidance on the use of the weight of evidence approach in scientific assessments. <i>EFSA Journal</i> , 2017 , 15, e04971	2.3	128
39	Comparative toxicity of pesticides and environmental contaminants in bees: Are honey bees a useful proxy for wild bee species?. <i>Science of the Total Environment</i> , 2017 , 578, 357-365	10.2	71
38	Toxicokinetic models and related tools in environmental risk assessment of chemicals. <i>Science of the Total Environment</i> , 2017 , 578, 1-15	10.2	72
37	Comparing bee species responses to chemical mixtures: Common response patterns?. <i>PLoS ONE</i> , 2017 , 12, e0176289	3.7	38
36	Weighing evidence and assessing uncertainties. <i>EFSA Journal</i> , 2016 , 14, e00511	2.3	1
35	EFSA Scientific Colloquium 22 [Epigenetics and Risk Assessment: Where do we stand?. <i>EFSA Supporting Publications</i> , 2016 , 13, 1129E	1.1	1
34	2 Human Risk Assessment of Heavy Metals: Principles and Applications 2015 , 27-60		6
33	Environmental Contaminants: Nitrate and Nitrite 2014 , 332-336		5
32	Nitrite in feed: from animal health to human health. <i>Toxicology and Applied Pharmacology</i> , 2013 , 270, 209-17	4.6	77
31	Risk assessment of coccidostatics during feed cross-contamination: animal and human health aspects. <i>Toxicology and Applied Pharmacology</i> , 2013 , 270, 196-208	4.6	92
30	Recent advances in the risk assessment of melamine and cyanuric acid in animal feed. <i>Toxicology and Applied Pharmacology</i> , 2013 , 270, 218-29	4.6	85
29	Human and animal health risk assessments of chemicals in the food chain: comparative aspects and future perspectives. <i>Toxicology and Applied Pharmacology</i> , 2013 , 270, 187-95	4.6	42
28	Population effects and variability. <i>Methods in Molecular Biology</i> , 2012 , 929, 521-81	1.4	5
27	EFSA's approach to identifying emerging risks in food and feed: taking stock and looking forward. <i>EFSA Journal</i> , 2012 , 10, s1015	2.3	7
26	Human risk assessment of heavy metals: principles and applications. <i>Metal Ions in Life Sciences</i> , 2011 , 8, 27-60	2.6	18
25	2:Human Risk Assessment of Heavy Metals: Principles and Applications. <i>Metal Ions in Life Sciences</i> , 2010 , 27-60		8
24	Systems toxicology approaches for understanding the joint effects of environmental chemical mixtures. <i>Science of the Total Environment</i> , 2010 , 408, 3725-34	10.2	170

23	Metabolism, variability and risk assessment. <i>Toxicology</i> , 2010 , 268, 156-64	4.4	68
22	Demographic data in asthma clinical trials: a systematic review with implications for generalizing trial findings and tackling health disparities. <i>Social Science and Medicine</i> , 2009 , 69, 1147-54	5.1	16
21	Combining analytical techniques, exposure assessment and biological effects for risk assessment of chemicals in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 695-707	14.6	47
20	Human variability in hepatic and renal elimination: implications for risk assessment. <i>Journal of Applied Toxicology</i> , 2007 , 27, 411-20	4.1	23
19	The effects on terrestrial invertebrates of reducing pesticide inputs in arable crop edges: a meta-analysis. <i>Journal of Applied Ecology</i> , 2007 , 44, 362-373	5.8	38
18	Trends in human risk assessment of pharmaceuticals. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1167-72	4.4	35
17	Human and environmental risk assessment of pharmaceuticals: differences, similarities, lessons from toxicology. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1259-68	4.4	47
16	The astronomical pulse of global extinction events. <i>Scientific World Journal, The</i> , 2006 , 6, 718-26	2.2	3
15	Human variability in xenobiotic metabolism and pathway-related uncertainty factors for chemical risk assessment: a review. <i>Food and Chemical Toxicology</i> , 2005 , 43, 203-16	4.7	89
14	The refinement of uncertainty/safety factors in risk assessment by the incorporation of data on toxicokinetic variability in humans. <i>Toxicological Sciences</i> , 2005 , 86, 20-6	4.4	92
13	Impact of inter-individual differences in drug metabolism and pharmacokinetics on safety evaluation. <i>Fundamental and Clinical Pharmacology</i> , 2004 , 18, 609-20	3.1	30
12	Species-specific uncertainty factors for compounds eliminated principally by renal excretion in humans. <i>Food and Chemical Toxicology</i> , 2004 , 42, 261-74	4.7	40
11	Human variability in the renal elimination of foreign compounds and renal excretion-related uncertainty factors for risk assessment. <i>Food and Chemical Toxicology</i> , 2004 , 42, 275-98	4.7	36
10	Human variability for metabolic pathways with limited data (CYP2A6, CYP2C9, CYP2E1, ADH, esterases, glycine and sulphate conjugation). <i>Food and Chemical Toxicology</i> , 2004 , 42, 397-421	4.7	34
9	Human variability in CYP3A4 metabolism and CYP3A4-related uncertainty factors for risk assessment. <i>Food and Chemical Toxicology</i> , 2003 , 41, 201-24	4.7	80
8	Polymorphic CYP2C19 and N-acetylation: human variability in kinetics and pathway-related uncertainty factors. <i>Food and Chemical Toxicology</i> , 2003 , 41, 225-45	4.7	39
7	Human variability in polymorphic CYP2D6 metabolism: is the kinetic default uncertainty factor adequate?. <i>Food and Chemical Toxicology</i> , 2002 , 40, 1633-56	4.7	64
6	Pathway-Related Factors: The Potential for Human Data to Improve the Scientific Basis of Risk Assessment. <i>Human and Ecological Risk Assessment (HERA)</i> , 2001 , 7, 165-180	4.9	13

5	Default Factors for Interspecies Differences in the Major Routes of Xenobiotic Elimination. <i>Human and Ecological Risk Assessment (HERA)</i> , 2001 , 7, 181-201	4.9	18
4	Uncertainty factors for chemical risk assessment. human variability in the pharmacokinetics of CYP1A2 probe substrates. <i>Food and Chemical Toxicology</i> , 2001 , 39, 681-96	4.7	80
3	Uncertainty factors for chemical risk assessment: interspecies differences in the in vivo pharmacokinetics and metabolism of human CYP1A2 substrates. <i>Food and Chemical Toxicology</i> , 2001 , 39, 667-80	4.7	59
2	Human variability in glucuronidation in relation to uncertainty factors for risk assessment. <i>Food and Chemical Toxicology</i> , 2001 , 39, 1153-73	4.7	48
1	Risk assessment of uptake of trace elements through consumption of cereals: a pilot study in Yerevan, Armenia. <i>Journal of Environmental Health Science & Engineering</i> , 1	2.9	1