

Jean Lou C M Dorne

List of Publications by Citations

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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	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
93	Guidance on the use of the weight of evidence approach in scientific assessments. <i>EFSA Journal</i> , 2017 , 15, e04971	2.3	128
92	Current EU research activities on combined exposure to multiple chemicals. <i>Environment International</i> , 2018 , 120, 544-562	12.9	119
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	Nitrite in feed: from animal health to human health. <i>Toxicology and Applied Pharmacology</i> , 2013 , 270, 209-17	4.6	77
83	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
82	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
81	Metabolism, variability and risk assessment. <i>Toxicology</i> , 2010 , 268, 156-64	4.4	68
80	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
79	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
78	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

77	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
76	Occurrence and Co-Occurrence of Mycotoxins in Cereal-Based Feed and Food. <i>Microorganisms</i> , 2020 , 8,	4.9	55
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	Comparing bee species responses to chemical mixtures: Common response patterns?. <i>PLoS ONE</i> , 2017 , 12, e0176289	3.7	38
64	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
63	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
62	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
61	Trends in human risk assessment of pharmaceuticals. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1167-72	4.4	35
60	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

59	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
58	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
57	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
56	Human variability in hepatic and renal elimination: implications for risk assessment. <i>Journal of Applied Toxicology</i> , 2007 , 27, 411-20	4.1	23
55	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
54	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
53	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
52	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
51	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
50	Human risk assessment of heavy metals: principles and applications. <i>Metal Ions in Life Sciences</i> , 2011 , 8, 27-60	2.6	18
49	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
48	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
47	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
46	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
45	What is considered cardiotoxicity of anthracyclines in animal studies. <i>Oncology Reports</i> , 2020 , 44, 798-813	3.5	13
44	The index of ideality of correlation: models for flammability of binary liquid mixtures. <i>Chemical Papers</i> , 2020 , 74, 601-609	1.9	13
43	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
42	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

41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	2:Human Risk Assessment of Heavy Metals: Principles and Applications. <i>Metal Ions in Life Sciences</i> , 2010 , 27-60		8
31	The Route of Mycotoxins in the Grape Food Chain. <i>American Journal of Enology and Viticulture</i> , 2020 , 71, 89-104	2.2	8
30	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
29	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
28	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
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	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
25	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
24	SAR for gastro-intestinal absorption and blood-brain barrier permeation of pesticides. <i>Chemico-Biological Interactions</i> , 2018 , 290, 1-5	5	7

23	2 Human Risk Assessment of Heavy Metals: Principles and Applications 2015 , 27-60		6
22	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
21	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
20	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
19	Environmental Contaminants: Nitrate and Nitrite 2014 , 332-336		5
18	Population effects and variability. <i>Methods in Molecular Biology</i> , 2012 , 929, 521-81	1.4	5
17	Mycotoxins in maize: mitigation actions, with a chain management approach. <i>Phytopathologia Mediterranea</i> , 2020 , 59, 5-28	2.3	5
16	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
15	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
14	The astronomical pulse of global extinction events. <i>Scientific World Journal, The</i> , 2006 , 6, 718-26	2.2	3
13	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
12	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
11	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
10	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
9	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
8	Weighing evidence and assessing uncertainties. <i>EFSA Journal</i> , 2016 , 14, e00511	2.3	1
7	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
6	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

5	EFSA Scientific Colloquium 22 [Epigenetics and Risk Assessment: Where do we stand?. <i>EFSA Supporting Publications</i> , 2016 , 13, 1129E	1.1	1
4	Human Variability in Carboxylesterases and carboxylesterase-related Uncertainty Factors for Chemical Risk Assessment. <i>Toxicology Letters</i> , 2021 , 350, 162-170	4.4	1
3	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
2	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
1	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