Ivonne M C M Rietjens

List of Publications by Year in Descending Order

411 papers	13,605 citations	60 h-index	93 g-index
424 ext. papers	15,175 ext. citations	4.7 avg, IF	6.35 L-index

#	Paper	IF	Citations
411	In Vitro Methodologies to Study the Role of Advanced Glycation End Products (AGEs) in Neurodegeneration.. *Nutrients*, **2022**, 14,	6.7	1
410	Developmental toxicity testing of unsubstituted and methylated 4- and 5-ring polycyclic aromatic hydrocarbons using the zebrafish embryotoxicity test.. *Toxicology in Vitro*, **2022**, 80, 105312	3.6	2
409	The effect of alkyl substitution on the oxidative metabolism and mutagenicity of phenanthrene.. *Archives of Toxicology*, **2022**, 96, 1109-1131	5.8	1
408	Inter-individual variation in chlorpyrifos toxicokinetics characterized by physiologically based kinetic (PBK) and Monte Carlo simulation comparing human liver microsome and Supersome cytochromes P450 (CYP)-specific kinetic data as model input.. *Archives of Toxicology*, **2022**, 96, 1387	5.8	
407	Identification of phosphodiesterase type-5 (PDE-5) inhibitors in herbal supplements using a tiered approach and associated consumer risk.. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2022**, 1-12	3.2	0
406	Letter to the Editor on Bil et al. 2021 "Risk Assessment of Per- and Polyfluoroalkyl Substance Mixtures: A Relative Potency Factor Approach".. *Environmental Toxicology and Chemistry*, **2022**, 41, 7-12	3.8	2
405	The Role of Kinetics as Key Determinant in Toxicity of Pyrrolizidine Alkaloids and Their N-Oxides. *Planta Medica*, **2021**,	3.1	2
404	In vitro and in silico study on consequences of combined exposure to the food-borne alkenylbenzenes estragole and safrole. *Toxicology in Vitro*, **2021**, 79, 105290	3.6	
403	Use of Physiologically Based Pharmacokinetic Modeling to Predict Human Gut Microbial Conversion of Daidzein to S-Equol. *Journal of Agricultural and Food Chemistry*, **2021**,	5.7	4
402	PBK Model-Based Prediction of Intestinal Microbial and Host Metabolism of Zearalenone and Consequences for its Estrogenicity. *Molecular Nutrition and Food Research*, **2021**, 65, e2100443	5.9	5
401	Physiologically based kinetic modelling based prediction of in vivo rat and human acetylcholinesterase (AChE) inhibition upon exposure to diazinon. *Archives of Toxicology*, **2021**, 95, 1573-1593	5.8	1
400	Prediction of dose-dependent in vivo acetylcholinesterase inhibition by profenofos in rats and humans using physiologically based kinetic (PBK) modeling-facilitated reverse dosimetry. *Archives of Toxicology*, **2021**, 95, 1287-1301	5.8	2
399	Assessment of the in vitro developmental toxicity of diethylstilbestrol and estradiol in the zebrafish embryotoxicity test. *Toxicology in Vitro*, **2021**, 72, 105088	3.6	3
398	An in vitro model for microbial fructoselysine degradation shows substantial interindividual differences in metabolic capacities of human fecal slurries. *Toxicology in Vitro*, **2021**, 72, 105078	3.6	4
397	Novel advances in biotransformation and bioactivation research - 2020 year in review. *Drug Metabolism Reviews*, **2021**, 53, 384-433	7	1
396	PDE-5 inhibitors in selected herbal supplements from the Ghanaian market for better erectile function as tested by a bioassay. *Toxicology in Vitro*, **2021**, 73, 105130	3.6	1
395	Incorporating renal excretion via the OCT2 transporter in physiologically based kinetic modelling to predict in vivo kinetics of mepiquat in rat. *Toxicology Letters*, **2021**, 343, 34-43	4.4	4

394	Next generation risk assessment of human exposure to anti-androgens using newly defined comparator compound values. *Toxicology in Vitro*, **2021**, 73, 105132	3.6	3
393	Estragole DNA adduct accumulation in human liver HepaRG cells upon repeated in vitro exposure. *Toxicology Letters*, **2021**, 337, 1-6	4.4	0
392	Novel testing strategy for prediction of rat biliary excretion of intravenously administered estradiol-17β-glucuronide. *Archives of Toxicology*, **2021**, 95, 91-102	5.8	
391	A chemical-specific adjustment factor for human interindividual differences in kinetics for glutamates (E620-625). *Food and Chemical Toxicology*, **2021**, 147, 111910	4.7	0
390	Interindividual Differences in Human In Vitro Intestinal Microbial Conversion of Green Tea (-)-Epigallocatechin-3-O-Gallate and Consequences for Activation of Nrf2 Mediated Gene Expression. *Molecular Nutrition and Food Research*, **2021**, 65, 2000934	5.9	5
389	Organophosphate and carbamate pesticide residues and accompanying risks in commonly consumed vegetables in Kenya. *Food Additives and Contaminants: Part B Surveillance*, **2021**, 14, 48-58	3.3	14
388	Risk characterisation of constituents present in jamu to promote its safe use. *Critical Reviews in Toxicology*, **2021**, 51, 183-191	5.7	1
387	Predicting the in vivo developmental toxicity of benzo[a]pyrene (BaP) in rats by an in vitro-in silico approach. *Archives of Toxicology*, **2021**, 95, 3323-3340	5.8	3
386	Interaction between food-borne mycotoxins and gut microbiota: A review. *Food Control*, **2021**, 126, 107998	5.6	3
385	FEMA GRAS assessment of natural flavor complexes: Eucalyptus oil and other cyclic ether-containing flavoring ingredients. *Food and Chemical Toxicology*, **2021**, 155, 112357	4.7	3
384	FEMA GRAS assessment of natural flavor complexes: Origanum oil, thyme oil and related phenol derivative-containing flavoring ingredients. *Food and Chemical Toxicology*, **2021**, 155, 112378	4.7	1
383	Developmental toxicity testing of the fume condensate extracts of bitumen and oxidized asphalt in a series of in vitro alternative assays. *Toxicology in Vitro*, **2021**, 75, 105195	3.6	1
382	Predicting the Acute Liver Toxicity of Aflatoxin B1 in Rats and Humans by an In Vitro-In Silico Testing Strategy. *Molecular Nutrition and Food Research*, **2020**, 64, e2000063	5.9	7
381	Integrating in vitro data and physiologically based kinetic modeling-facilitated reverse dosimetry to predict human cardiotoxicity of methadone. *Archives of Toxicology*, **2020**, 94, 2809-2827	5.8	9
380	Monocrotaline-induced liver toxicity in rat predicted by a combined in vitro physiologically based kinetic modeling approach. *Archives of Toxicology*, **2020**, 94, 3281-3295	5.8	6
379	Mode of action-based risk assessment of genotoxic carcinogens. *Archives of Toxicology*, **2020**, 94, 1787-1877	5.8	46
378	Cellular levels and molecular dynamics simulations of estragole DNA adducts point at inefficient repair resulting from limited distortion of the double-stranded DNA helix. *Archives of Toxicology*, **2020**, 94, 1349-1365	5.8	4
377	The safety evaluation of food flavoring substances: the role of genotoxicity studies. *Critical Reviews in Toxicology*, **2020**, 50, 1-27	5.7	12

376	Induction of peroxisome proliferator activated receptor (PPAR) mediated gene expression and inhibition of induced nitric oxide production by Maerua subcordata (Gilg) DeWolf. *BMC Complementary Medicine and Therapies*, **2020**, 20, 80	2.9	3
375	Detection of pyrrolizidine alkaloids in jamu available on the Indonesian market and accompanying safety assessment for human consumption. *Food and Chemical Toxicology*, **2020**, 138, 111230	4.7	6
374	Novel advances in biotransformation and bioactivation research-2019 year in review. *Drug Metabolism Reviews*, **2020**, 52, 333-365	7	1
373	Use of Physiologically Based Kinetic Modeling to Predict Rat Gut Microbial Metabolism of the Isoflavone Daidzein to S-Equol and Its Consequences for ER Activation. *Molecular Nutrition and Food Research*, **2020**, 64, e1900912	5.9	12
372	Estrogen receptor alpha (ER)-mediated coregulator binding and gene expression discriminates the toxic ER agonist diethylstilbestrol (DES) from the endogenous ER agonist 17 estradiol (E2). *Cell Biology and Toxicology*, **2020**, 36, 417-435	7.4	6
371	The use of adverse outcome pathways in the safety evaluation of food additives. *Archives of Toxicology*, **2020**, 94, 959-966	5.8	11
370	Development of a Generic Physiologically Based Kinetic Model to Predict In Vivo Uterotrophic Responses Induced by Estrogenic Chemicals in Rats Based on In Vitro Bioassays. *Toxicological Sciences*, **2020**, 173, 19-31	4.4	4
369	Evaluation of in vitro models of stem cell-derived cardiomyocytes to screen for potential cardiotoxicity of chemicals. *Toxicology in Vitro*, **2020**, 67, 104891	3.6	5
368	Pyrrolizidine alkaloids in food and phytomedicine: Occurrence, exposure, toxicity, mechanisms, and risk assessment - A review. *Food and Chemical Toxicology*, **2020**, 136, 111107	4.7	36
367	Combining In Vitro Data and Physiologically Based Kinetic Modeling Facilitates Reverse Dosimetry to Define In Vivo Dose-Response Curves for Bixin- and Crocetin-Induced Activation of PPAR In Humans. *Molecular Nutrition and Food Research*, **2020**, 64, e1900880	5.9	4
366	The role of metabolism in the developmental toxicity of polycyclic aromatic hydrocarbon-containing extracts of petroleum substances. *Journal of Applied Toxicology*, **2020**, 40, 330-341	4.1	8
365	FEMA GRAS assessment of natural flavor complexes: Cinnamomum and Myroxylon-derived flavoring ingredients. *Food and Chemical Toxicology*, **2020**, 135, 110949	4.7	9
364	In vitro metabolism of naphthalene and its alkylated congeners by human and rat liver microsomes via alkyl side chain or aromatic oxidation. *Chemico-Biological Interactions*, **2020**, 315, 108905	5	8
363	FEMA GRAS assessment of natural flavor complexes: Lavender, Guaiac Coriander-derived and related flavoring ingredients. *Food and Chemical Toxicology*, **2020**, 145, 111584	4.7	1
362	Interindividual Differences in Human Intestinal Microbial Conversion of (-)-Epicatechin to Bioactive Phenolic Compounds. *Journal of Agricultural and Food Chemistry*, **2020**,	5.7	18
361	An model to quantify interspecies differences in kinetics for intestinal microbial bioactivation and detoxification of zearalenone. *Toxicology Reports*, **2020**, 7, 938-946	4.8	6
360	FEMA GRAS assessment of natural flavor complexes: Clove, cinnamon leaf and West Indian bay leaf-derived flavoring ingredients. *Food and Chemical Toxicology*, **2020**, 145, 111585	4.7	11
359	Defining in vivo dose-response curves for kidney DNA adduct formation of aristolochic acid I in rat, mouse and human by an in vitro and physiologically based kinetic modeling approach. *Journal of Applied Toxicology*, **2020**, 40, 1647-1660	4.1	1

358	Molecular Dynamics and Quantification of Safrole DNA Adducts Reveal DNA Adduct Persistence Due to Limited DNA Distortion Resulting in Inefficient Repair. *Chemical Research in Toxicology*, **2020**, 33, 2298-2309	4	4
357	FEMA GRAS assessment of natural flavor complexes: Mint, buchu, dill and caraway derived flavoring ingredients. *Food and Chemical Toxicology*, **2020**, 135, 110870	4.7	12
356	In vitro prenatal developmental toxicity induced by some petroleum substances is mediated by their 3- to 7-ring PAH constituent with a potential role for the aryl hydrocarbon receptor (AhR). *Toxicology Letters*, **2019**, 315, 64-76	4.4	15
355	Integrating physiologically based kinetic (PBK) and Monte Carlo modelling to predict inter-individual and inter-ethnic variation in bioactivation and liver toxicity of lasiocarpine. *Archives of Toxicology*, **2019**, 93, 2943-2960	5.8	5
354	Use of an in vitro-in silico testing strategy to predict inter-species and inter-ethnic human differences in liver toxicity of the pyrrolizidine alkaloids lasiocarpine and riddelliine. *Archives of Toxicology*, **2019**, 93, 801-818	5.8	22
353	Levels of methyleugenol and eugenol in instant herbal beverages available on the Indonesian market and related risk assessment. *Food and Chemical Toxicology*, **2019**, 125, 467-478	4.7	19
352	The in vivo developmental toxicity of diethylstilbestrol (DES) in rat evaluated by an alternative testing strategy. *Archives of Toxicology*, **2019**, 93, 2021-2033	5.8	8
351	Physiologically based kinetic modelling-facilitated reverse dosimetry to predict in vivo red blood cell acetylcholinesterase inhibition following exposure to chlorpyrifos in the Caucasian and Chinese population. *Toxicological Sciences*, **2019**,	4.4	8
350	Role of toxicokinetics and alternative testing strategies in pyrrolizidine alkaloid toxicity and risk assessment; state-of-the-art and future perspectives. *Food and Chemical Toxicology*, **2019**, 131, 110572	4.7	8
349	Hazard assessment of Maerua subcordata (Gilg) DeWolf. for selected endpoints using a battery of in vitro tests. *Journal of Ethnopharmacology*, **2019**, 241, 111978	5	1
348	Biotransformation and bioactivation reactions - 2018 literature highlights. *Drug Metabolism Reviews*, **2019**, 51, 121-161	7	3
347	Induction of EpRE-mediated gene expression by a series of mediterranean botanicals and their constituents. *Journal of Ethnopharmacology*, **2019**, 240, 111940	5	1
346	Risk assessment of intake of pyrrolizidine alkaloids from herbal teas and medicines following realistic exposure scenarios. *Food and Chemical Toxicology*, **2019**, 130, 142-153	4.7	15
345	Selecting the dose metric in reverse dosimetry based QIVIVE : Reply to ℞Comment on ℞Use of an in vitro-in silico testing strategy to predict inter-species and inter-ethnic human differences in liver toxicity of the pyrrolizidine alkaloids lasiocarpine and riddelliine℞by Ning et al., Arch Toxicol doi: https://doi.org/10.1007/s00204-019-02397-7℞Arch Toxicol doi: https://doi.org/10.1007/s0020	5.8	5
344	Effects of Maerua subcordata (Gilg) DeWolf on electrophile-responsive element (EpRE)-mediated gene expression in vitro. *PLoS ONE*, **2019**, 14, e0215155	3.7	2
343	Novel approaches to derive points of departure for food chemical risk assessment. *Current Opinion in Food Science*, **2019**, 27, 139-144	9.8	3
342	Characterizing the coverage of critical effects relevant in the safety evaluation of food additives by AOPs. *Archives of Toxicology*, **2019**, 93, 2115-2125	5.8	10
341	Prediction of in vivo genotoxicity of lasiocarpine and riddelliine in rat liver using a combined in vitro-physiologically based kinetic modelling-facilitated reverse dosimetry approach. *Archives of Toxicology*, **2019**, 93, 2385-2395	5.8	10

340	Aflatoxin B1 in nixtamalized maize in Mexico; occurrence and accompanying risk assessment. *Toxicology Reports*, **2019**, 6, 1135-1142	4.8	11
339	Risk assessment of herbal supplements containing ingredients that are genotoxic and carcinogenic. *Critical Reviews in Toxicology*, **2019**, 49, 567-579	5.7	6
338	FEMA GRAS assessment of natural flavor complexes: Citrus-derived flavoring ingredients. *Food and Chemical Toxicology*, **2019**, 124, 192-218	4.7	18
337	The effects of all-trans retinoic acid on estrogen receptor signaling in the estrogen-sensitive MCF/BUS subline. *Journal of Receptor and Signal Transduction Research*, **2018**, 38, 112-121	2.6	4
336	The safety evaluation of food flavouring substances: the role of metabolic studies. *Toxicology Research*, **2018**, 7, 618-646	2.6	12
335	Updated procedure for the safety evaluation of natural flavor complexes used as ingredients in food. *Food and Chemical Toxicology*, **2018**, 113, 171-178	4.7	17
334	Use of physiologically based kinetic modelling-facilitated reverse dosimetry to convert in vitro cytotoxicity data to predicted in vivo liver toxicity of lasiocarpine and riddelliine in rat. *Food and Chemical Toxicology*, **2018**, 116, 216-226	4.7	24
333	Risk assessment of aflatoxin B1 exposure from maize and peanut consumption in Indonesia using the margin of exposure and liver cancer risk estimation approaches. *Food and Chemical Toxicology*, **2018**, 113, 134-144	4.7	34
332	A comparison of the embryonic stem cell test and whole embryo culture assay combined with the BeWo placental passage model for predicting the embryotoxicity of azoles. *Toxicology Letters*, **2018**, 286, 10-21	4.4	18
331	Exposure assessment of process-related contaminants in food by biomarker monitoring. *Archives of Toxicology*, **2018**, 92, 15-40	5.8	27
330	Effects of Systematic Variation in Size and Surface Coating of Silver Nanoparticles on Their In Vitro Toxicity to Macrophage RAW 264.7 Cells. *Toxicological Sciences*, **2018**, 162, 79-88	4.4	26
329	Natural occurrence of genotoxic and carcinogenic alkenylbenzenes in Indonesian jamu and evaluation of consumer risks. *Food and Chemical Toxicology*, **2018**, 118, 53-67	4.7	13
328	Risk assessment of genotoxic and carcinogenic alkenylbenzenes in botanical containing products present on the Chinese market. *Food and Chemical Toxicology*, **2018**, 115, 344-357	4.7	10
327	Perceived versus real toxicological safety of pangasius catfish: a review modifying market perspectives. *Reviews in Aquaculture*, **2018**, 10, 123-134	8.9	12
326	Towards a generic physiologically based kinetic model to predict in vivo uterotrophic responses in rats by reverse dosimetry of in vitro estrogenicity data. *Archives of Toxicology*, **2018**, 92, 1075-1088	5.8	16
325	Risk Assessment Paradigm for Glutamate. *Annals of Nutrition and Metabolism*, **2018**, 73 Suppl 5, 53-64	4.5	11
324	Use of proteomics to detect sex-related differences in effects of toxicants: implications for using proteomics in toxicology. *Critical Reviews in Toxicology*, **2018**, 48, 666-681	5.7	5
323	Soy supplementation: Impact on gene expression in different tissues of ovariectomized rats and evaluation of the rat model to predict (post)menopausal health effect. *Toxicology Reports*, **2018**, 5, 1087-1097	4.8	2

322	Impact of nanoparticle surface functionalization on the protein corona and cellular adhesion, uptake and transport. *Journal of Nanobiotechnology*, **2018**, 16, 70	9.4	35
321	The Role of Endocrine and Dioxin-Like Activity of Extracts of Petroleum Substances in Developmental Toxicity as Detected in a Panel of CALUX Reporter Gene Assays. *Toxicological Sciences*, **2018**, 164, 576-591	4.4	20
320	Biotransformation and bioactivation reactions - 2017 literature highlights. *Drug Metabolism Reviews*, **2018**, 50, 221-255	7	6
319	Determination and risk assessment of naturally occurring genotoxic and carcinogenic alkenylbenzenes in basil-containing sauce of pesto. *Toxicology Reports*, **2017**, 4, 1-8	4.8	16
318	Physiologically based kinetic modeling of hesperidin metabolism and its use to predict in vivo effective doses in humans. *Molecular Nutrition and Food Research*, **2017**, 61, 1600894	5.9	16
317	Embryotoxic and pharmacologic potency ranking of six azoles in the rat whole embryo culture by morphological and transcriptomic analysis. *Toxicology and Applied Pharmacology*, **2017**, 322, 15-26	4.6	14
316	Development of a Combined In Vitro Physiologically Based Kinetic (PBK) and Monte Carlo Modelling Approach to Predict Interindividual Human Variation in Phenol-Induced Developmental Toxicity. *Toxicological Sciences*, **2017**, 157, 365-376	4.4	12
315	Marine biotoxins and associated outbreaks following seafood consumption: Prevention and surveillance in the 21st century. *Global Food Security*, **2017**, 15, 11-21	8.3	39
314	Biotransformation and bioactivation reactions - 2016 literature highlights. *Drug Metabolism Reviews*, **2017**, 49, 285-317	7	5
313	Use of physiologically based kinetic modeling-facilitated reverse dosimetry of in vitro toxicity data for prediction of in vivo developmental toxicity of tebuconazole in rats. *Toxicology Letters*, **2017**, 266, 85-93	4.4	22
312	In vitro bioassays to evaluate beneficial and adverse health effects of botanicals: promises and pitfalls. *Drug Discovery Today*, **2017**, 22, 1187-1200	8.8	9
311	In vitro-in silico-based analysis of the dose-dependent in vivo oestrogenicity of the soy phytoestrogen genistein in humans. *British Journal of Pharmacology*, **2017**, 174, 2739-2757	8.6	15
310	Determination and risk assessment of naturally occurring genotoxic and carcinogenic alkenylbenzenes in nutmeg-based plant food supplements. *Journal of Applied Toxicology*, **2017**, 37, 1254-1264	4.1	14
309	Study on inter-ethnic human differences in bioactivation and detoxification of estragole using physiologically based kinetic modeling. *Archives of Toxicology*, **2017**, 91, 3093-3108	5.8	5
308	Risk assessment for pyrrolizidine alkaloids detected in (herbal) teas and plant food supplements. *Regulatory Toxicology and Pharmacology*, **2017**, 86, 292-302	3.4	37
307	A transcriptomic approach for evaluating the relative potency and mechanism of action of azoles in the rat Whole Embryo Culture. *Toxicology*, **2017**, 392, 96-105	4.4	7
306	The Regulatory Framework Across International Jurisdictions for Risks Associated with Consumption of Botanical Food Supplements. *Comprehensive Reviews in Food Science and Food Safety*, **2017**, 16, 821-834	16.4	29
305	Risk assessment of combined exposure to alkenylbenzenes through consumption of plant food supplements containing parsley and dill. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2017**, 34, 2201-2211	3.2	10

304	Characterization of the differential coregulator binding signatures of the Retinoic Acid Receptor subtypes upon (ant)agonist action. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2017**, 1865, 1195-1206	4	4
303	Prenatal developmental toxicity testing of petroleum substances: Application of the mouse embryonic stem cell test (EST) to compare in vitro potencies with potencies observed in vivo. *Toxicology in Vitro*, **2017**, 44, 303-312	3.6	18
302	Undesired Plant-Derived Components in Food **2017**, 379-424		6
301	Integrating in vitro data and physiologically based kinetic (PBK) modelling to assess the in vivo potential developmental toxicity of a series of phenols. *Archives of Toxicology*, **2017**, 91, 2119-2133	5.8	28
300	Safety evaluation of substituted thiophenes used as flavoring ingredients. *Food and Chemical Toxicology*, **2017**, 99, 40-59	4.7	12
299	Use of Physiologically Based Kinetic Modeling-Based Reverse Dosimetry to Predict in Vivo Toxicity from in Vitro Data. *Chemical Research in Toxicology*, **2017**, 30, 114-125	4	55
298	The potential health effects of dietary phytoestrogens. *British Journal of Pharmacology*, **2017**, 174, 1263812280		226
297	Physiologically based kinetic modeling of the bioactivation of myristicin. *Archives of Toxicology*, **2017**, 91, 713-734	5.8	22
296	Risks to human and animal health related to the presence of deoxynivalenol and its acetylated and modified forms in food and feed. *EFSA Journal*, **2017**, 15, e04718	2.3	132
295	Risk assessment of plant food supplements and other herbal products containing aristolochic acids using the margin of exposure (MOE) approach. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2017**, 34, 135-144	3.2	10
294	Level of Alkenylbenzenes in Parsley and Dill Based Teas and Associated Risk Assessment Using the Margin of Exposure Approach. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 8640-8646	5.7	15
293	Biotransformation and bioactivation reactions - 2015 literature highlights. *Drug Metabolism Reviews*, **2016**, 48, 113-38	7	10
292	Evaluation of Interindividual Human Variation in Bioactivation and DNA Adduct Formation of Estragole in Liver Predicted by Physiologically Based Kinetic/Dynamic and Monte Carlo Modeling. *Chemical Research in Toxicology*, **2016**, 29, 659-68	4	15
291	Effect of Glucuronidation on the Potential of Kaempferol to Inhibit Serine/Threonine Protein Kinases. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 1256-63	5.7	6
290	Mode of action based risk assessment of the botanical food-borne alkenylbenzene apiol from parsley using physiologically based kinetic (PBK) modelling and read-across from safrole. *Food and Chemical Toxicology*, **2016**, 89, 138-50	4.7	18
289	Extended evaluation on the ES-D3 cell differentiation assay combined with the BeWo transport model, to predict relative developmental toxicity of triazole compounds. *Archives of Toxicology*, **2016**, 90, 1225-37	5.8	13
288	FEMA expert panel review of p-mentha-1,8-dien-7-al genotoxicity testing results. *Food and Chemical Toxicology*, **2016**, 98, 201-209	4.7	6
287	Predicting points of departure for risk assessment based on in vitro cytotoxicity data and physiologically based kinetic (PBK) modeling: The case of kidney toxicity induced by aristolochic acid I. *Food and Chemical Toxicology*, **2016**, 92, 104-16	4.7	28

286	Progenitor-derived hepatocyte-like (B-13/H) cells metabolise 1Phydroxyestragole to a genotoxic species via a SULT2B1-dependent mechanism. *Toxicology Letters*, **2016**, 243, 98-110	4.4	8
285	Flusilazole induces spatio-temporal expression patterns of retinoic acid-, differentiation- and sterol biosynthesis-related genes in the rat Whole Embryo Culture. *Reproductive Toxicology*, **2016**, 64, 77-85	3.4	11
284	Combining an in vitro reporter gene assay with metabolomics to identify tomato phytochemicals responsible for inducing electrophile-responsive element (EpRE)-mediated gene transcription. *Metabolomics*, **2015**, 11, 302-311	4.7	1
283	Plasma bioavailability and changes in PBMC gene expression after treatment of ovariectomized rats with a commercial soy supplement. *Toxicology Reports*, **2015**, 2, 308-321	4.8	2
282	In vitro gastrointestinal digestion increases the translocation of polystyrene nanoparticles in an in vitro intestinal co-culture model. *Nanotoxicology*, **2015**, 9, 886-94	5.3	61
281	Quercetin tests negative for genotoxicity in transcriptome analyses of liver and small intestine of mice. *Food and Chemical Toxicology*, **2015**, 81, 34-39	4.7	13
280	Progress and future of in vitro models to study translocation of nanoparticles. *Archives of Toxicology*, **2015**, 89, 1469-95	5.8	95
279	The effect of quercetin and kaempferol aglycones and glucuronides on peroxisome proliferator-activated receptor-gamma (PPAR-) *Food and Function*, **2015**, 6, 1098-107	6.1	20
278	Bioavailability and biodistribution of differently charged polystyrene nanoparticles upon oral exposure in rats. *Journal of Nanoparticle Research*, **2015**, 17, 231	2.3	68
277	Exploration of new functional endpoints in neuro-2a cells for the detection of the marine biotoxins saxitoxin, palytoxin and tetrodotoxin. *Toxicology in Vitro*, **2015**, 30, 341-7	3.6	12
276	The effect of glucuronidation on isoflavone induced estrogen receptor (ER) and ER mediated coregulator interactions. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 154, 245-53	5.1	17
275	Matrix-derived combination effects influencing absorption, distribution, metabolism and excretion (ADME) of food-borne toxic compounds: implications for risk assessment. *Toxicology Research*, **2015**, 4, 23-35	2.6	13
274	In vitro detection of cardiotoxins or neurotoxins affecting ion channels or pumps using beating cardiomyocytes as alternative for animal testing. *Toxicology in Vitro*, **2015**, 29, 281-8	3.6	10
273	Use of the ES-D3 cell differentiation assay, combined with the BeWo transport model, to predict relative in vivo developmental toxicity of antifungal compounds. *Toxicology in Vitro*, **2015**, 29, 320-8	3.6	23
272	Translocation of differently sized and charged polystyrene nanoparticles in in vitro intestinal cell models of increasing complexity. *Nanotoxicology*, **2015**, 9, 453-61	5.3	83
271	Prediction of in vivo developmental toxicity of all-trans-retinoic acid based on in vitro toxicity data and in silico physiologically based kinetic modeling. *Archives of Toxicology*, **2015**, 89, 1135-48	5.8	48
270	Direct comparison of metabolic health effects of the flavonoids quercetin, hesperetin, epicatechin, apigenin and anthocyanins in high-fat-diet-fed mice. *Genes and Nutrition*, **2015**, 10, 469	4.3	62
269	Translocation of positively and negatively charged polystyrene nanoparticles in an in vitro placental model. *Toxicology in Vitro*, **2015**, 29, 1701-10	3.6	30

268	Use of physiologically based kinetic (PBK) modeling to study interindividual human variation and species differences in plasma concentrations of quercetin and its metabolites. *Biochemical Pharmacology*, **2015**, 98, 690-702	6	12
267	Evaluation of the interindividual human variation in bioactivation of methyleugenol using physiologically based kinetic modeling and Monte Carlo simulations. *Toxicology and Applied Pharmacology*, **2015**, 283, 117-26	4.6	10
266	Effects of silver nanoparticles (NM-300K) on Lumbricus rubellus earthworms and particle characterization in relevant test matrices including soil. *Environmental Toxicology and Chemistry*, **2014**, 33, 743-52	3.8	74
265	Conversion of major soy isoflavone glucosides and aglycones in in vitro intestinal models. *Molecular Nutrition and Food Research*, **2014**, 58, 503-15	5.9	37
264	Active pharmaceutical ingredients detected in herbal food supplements for weight loss sampled on the Dutch market. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2014**, 31, 1783-93	3.2	20
263	Role of membrane disturbance and oxidative stress in the mode of action underlying the toxicity of differently charged polystyrene nanoparticles. *RSC Advances*, **2014**, 4, 19321-19330	3.7	39
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