Ivonne M C M Rietjens

List of Publications by Citations

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	Tissue distribution of quercetin in rats and pigs. *Journal of Nutrition*, **2005**, 135, 1718-25	4.1	340
410	The influence of pH on antioxidant properties and the mechanism of antioxidant action of hydroxyflavones. *Free Radical Biology and Medicine*, **2001**, 31, 869-81	7.8	282
409	The pro-oxidant chemistry of the natural antioxidants vitamin C, vitamin E, carotenoids and flavonoids. *Environmental Toxicology and Pharmacology*, **2002**, 11, 321-33	5.8	243
408	The potential health effects of dietary phytoestrogens. *British Journal of Pharmacology*, **2017**, 174, 1263812280		226
407	The interplay of glutathione-related processes in antioxidant defense. *Environmental Toxicology and Pharmacology*, **2001**, 10, 141-52	5.8	219
406	Regioselectivity of phase II metabolism of luteolin and quercetin by UDP-glucuronosyl transferases. *Chemical Research in Toxicology*, **2002**, 15, 662-70	4	196
405	Role of surface charge and oxidative stress in cytotoxicity of organic monolayer-coated silicon nanoparticles towards macrophage NR8383 cells. *Particle and Fibre Toxicology*, **2010**, 7, 25	8.4	195
404	Flavonoids and alkenylbenzenes: mechanisms of mutagenic action and carcinogenic risk. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2005**, 574, 124-38	3.3	183
403	Prooxidant toxicity of polyphenolic antioxidants to HL-60 cells: description of quantitative structure-activity relationships. *FEBS Letters*, **1999**, 462, 392-6	3.8	174
402	Behaviour of silver nanoparticles and silver ions in an in vitro human gastrointestinal digestion model. *Nanotoxicology*, **2013**, 7, 1198-210	5.3	165
401	Pro-oxidant activity of flavonoids induces EpRE-mediated gene expression. *Chemical Research in Toxicology*, **2006**, 19, 1499-505	4	162
400	Rapid yeast estrogen bioassays stably expressing human estrogen receptors alpha and beta, and green fluorescent protein: a comparison of different compounds with both receptor types. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 91, 99-109	5.1	154
399	Quantitative structure activity relationship studies on the flavonoid mediated inhibition of multidrug resistance proteins 1 and 2. *Biochemical Pharmacology*, **2005**, 69, 699-708	6	154
398	Peroxidase-catalyzed formation of quercetin quinone methide-glutathione adducts. *Archives of Biochemistry and Biophysics*, **2000**, 378, 224-33	4.1	145
397	Cytotoxicity of surface-functionalized silicon and germanium nanoparticles: the dominant role of surface charges. *Nanoscale*, **2013**, 5, 4870-83	7.7	141
396	Identification of 14 quercetin phase II mono- and mixed conjugates and their formation by rat and human phase II in vitro model systems. *Chemical Research in Toxicology*, **2004**, 17, 1520-30	4	138
395	Safety evaluation of neem (Azadirachta indica) derived pesticides. *Journal of Ethnopharmacology*, **2004**, 94, 25-41	5	137

394	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
393	Structure-activity study on the quinone/quinone methide chemistry of flavonoids. *Chemical Research in Toxicology*, **2001**, 14, 398-408	4	128
392	Flavonoid-mediated inhibition of intestinal ABC transporters may affect the oral bioavailability of drugs, food-borne toxic compounds and bioactive ingredients. *Biomedicine and Pharmacotherapy*, **2006**, 60, 508-19	7.5	124
391	Biphasic modulation of cell proliferation by quercetin at concentrations physiologically relevant in humans. *Cancer Letters*, **2003**, 200, 41-7	9.9	121
390	Metabolism and transport of the citrus flavonoid hesperetin in Caco-2 cell monolayers. *Drug Metabolism and Disposition*, **2008**, 36, 1794-802	4	119
389	Regioselectivity and reversibility of the glutathione conjugation of quercetin quinone methide. *Chemical Research in Toxicology*, **2000**, 13, 185-91	4	115
388	Alkaloids in the human food chain--natural occurrence and possible adverse effects. *Molecular Nutrition and Food Research*, **2012**, 56, 30-52	5.9	104
387	pH-Dependent radical scavenging capacity of green tea catechins. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 816-23	5.7	101
386	Influence of cellular ERalpha/ERbeta ratio on the ERalpha-agonist induced proliferation of human T47D breast cancer cells. *Toxicological Sciences*, **2008**, 105, 303-11	4.4	98
385	Interplay between MRP inhibition and metabolism of MRP inhibitors: the case of curcumin. *Chemical Research in Toxicology*, **2003**, 16, 1642-51	4	96
384	Progress and future of in vitro models to study translocation of nanoparticles. *Archives of Toxicology*, **2015**, 89, 1469-95	5.8	95
383	The use of in vitro toxicity data and physiologically based kinetic modeling to predict dose-response curves for in vivo developmental toxicity of glycol ethers in rat and man. *Toxicological Sciences*, **2010**, 118, 470-84	4.4	94
382	Structural requirements for the flavonoid-mediated modulation of glutathione S-transferase P1-1 and GS-X pump activity in MCF7 breast cancer cells. *Biochemical Pharmacology*, **2004**, 67, 1607-17	6	94
381	The stimulation of cell proliferation by quercetin is mediated by the estrogen receptor. *Molecular Nutrition and Food Research*, **2005**, 49, 763-71	5.9	92
380	Molecular mechanisms of toxicity of important food-borne phytotoxins. *Molecular Nutrition and Food Research*, **2005**, 49, 131-58	5.9	84
379	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
378	Phytoestrogen-mediated inhibition of proliferation of the human T47D breast cancer cells depends on the ERalpha/ERbeta ratio. *Journal of Steroid Biochemistry and Molecular Biology*, **2008**, 112, 171-8	5.1	83
377	Mechanisms underlying the dualistic mode of action of major soy isoflavones in relation to cell proliferation and cancer risks. *Molecular Nutrition and Food Research*, **2013**, 57, 100-13	5.9	81

376	Regioselectivity of cytochrome P-450 catalyzed hydroxylation of fluorobenzenes predicted by calculated frontier orbital substrate characteristics. *Biochemistry*, **1993**, 32, 4801-12	3.2	81
375	Inhibition of human glutathione S-transferase P1-1 by the flavonoid quercetin. *Chemico-Biological Interactions*, **2003**, 145, 139-48	5	80
374	T-screen to quantify functional potentiating, antagonistic and thyroid hormone-like activities of poly halogenated aromatic hydrocarbons (PHAHs). *Toxicology in Vitro*, **2006**, 20, 490-8	3.6	77
373	Quantum mechanical/molecular mechanical free energy simulations of the glutathione S-transferase (M1-1) reaction with phenanthrene 9,10-oxide. *Journal of the American Chemical Society*, **2002**, 124, 9926-36	16.4	76
372	Identification of o-quinone/quinone methide metabolites of quercetin in a cellular in vitro system. *FEBS Letters*, **2002**, 520, 30-4	3.8	76
371	A Quantum Mechanical/Molecular Mechanical Study of the Hydroxylation of Phenol and Halogenated Derivatives by Phenol Hydroxylase. *Journal of the American Chemical Society*, **2000**, 122, 8728-8738	16.4	76
370	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
369	Radical scavenging capacity of wine anthocyanins is strongly pH-dependent. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 5526-34	5.7	74
368	Phase II metabolism of hesperetin by individual UDP-glucuronosyltransferases and sulfotransferases and rat and human tissue samples. *Drug Metabolism and Disposition*, **2010**, 38, 617-25	4	73
367	The regioselectivity of glutathione adduct formation with flavonoid quinone/quinone methides is pH-dependent. *Chemical Research in Toxicology*, **2002**, 15, 343-51	4	71
366	TEAC antioxidant activity of 4-hydroxybenzoates. *Free Radical Biology and Medicine*, **1999**, 27, 1427-36	7.8	71
365	Interlaboratory comparison of microsomal ethoxyresorufin and pentoxyresorufin O-dealkylation determinations: standardization of assay conditions. *Archives of Toxicology*, **1992**, 66, 237-44	5.8	70
364	Bioavailability and biodistribution of differently charged polystyrene nanoparticles upon oral exposure in rats. *Journal of Nanoparticle Research*, **2015**, 17, 231	2.3	68
363	Promises and pitfalls of quantitative structure-activity relationship approaches for predicting metabolism and toxicity. *Chemical Research in Toxicology*, **2008**, 21, 2229-36	4	68
362	The effect of quercetin phase II metabolism on its MRP1 and MRP2 inhibiting potential. *Biochemical Pharmacology*, **2007**, 74, 345-51	6	68
361	Estrogenic potency of food-packaging-associated plasticizers and antioxidants as detected in ERalpha and ERbeta reporter gene cell lines. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 4407-16	5.7	67
360	Ab Initio QM/MM Modeling of the Hydroxylation Step in p-Hydroxybenzoate Hydroxylase. *Journal of Physical Chemistry B*, **2003**, 107, 2118-2126	3.4	67
359	Cytochrome P450-catalyzed oxidation of halobenzene derivatives. *Chemical Research in Toxicology*, **1997**, 10, 629-35	4	66

358	A physiologically based biokinetic (PBBK) model for estragole bioactivation and detoxification in rat. *Toxicology and Applied Pharmacology*, **2008**, 231, 248-59	4.6	66
357	Microperoxidase/H2O2-catalyzed aromatic hydroxylation proceeds by a cytochrome-P-450-type oxygen-transfer reaction mechanism. *FEBS Journal*, **1996**, 240, 232-8		63
356	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
355	Quenching of quercetin quinone/quinone methides by different thiolate scavengers: stability and reversibility of conjugate formation. *Chemical Research in Toxicology*, **2003**, 16, 822-31	4	62
354	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
353	Use of physiologically based biokinetic (PBBK) modeling to study estragole bioactivation and detoxification in humans as compared with male rats. *Toxicological Sciences*, **2009**, 110, 255-69	4.4	61
352	Human cytochrome p450 enzyme specificity for the bioactivation of estragole and related alkenylbenzenes. *Chemical Research in Toxicology*, **2007**, 20, 798-806	4	61
351	Risk assessment of botanicals and botanical preparations intended for use in food and food supplements: emerging issues. *Toxicology Letters*, **2008**, 180, 131-6	4.4	59
350	Human cytochrome p450 enzymes of importance for the bioactivation of methyleugenol to the proximate carcinogen 1Phydroxymethyleugenol. *Chemical Research in Toxicology*, **2006**, 19, 111-6	4	59
349	The effect of catechol O-methylation on radical scavenging characteristics of quercetin and luteolin--a mechanistic insight. *Free Radical Research*, **2004**, 38, 639-47	4	58
348	Update of risk assessments of main marine biotoxins in the European Union. *Toxicon*, **2011**, 58, 336-54	2.8	57
347	Relative developmental toxicity of glycol ether alkoxy acid metabolites in the embryonic stem cell test as compared with the in vivo potency of their parent compounds. *Toxicological Sciences*, **2009**, 110, 117-24	4.4	57
346	Transcriptome and proteome profiling of colon mucosa from quercetin fed F344 rats point to tumor preventive mechanisms, increased mitochondrial fatty acid degradation and decreased glycolysis. *Proteomics*, **2008**, 8, 45-61	4.8	57
345	Quercetin, but not its glycosidated conjugate rutin, inhibits azoxymethane-induced colorectal carcinogenesis in F344 rats. *Journal of Nutrition*, **2006**, 136, 2862-7	4.1	56
344	Human cytochrome p450 enzyme specificity for bioactivation of safrole to the proximate carcinogen 1Phydroxysafrole. *Chemical Research in Toxicology*, **2004**, 17, 1245-50	4	56
343	Inhibition of multidrug resistance proteins MRP1 and MRP2 by a series of alpha,beta-unsaturated carbonyl compounds. *Biochemical Pharmacology*, **2005**, 69, 1879-90	6	56
342	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
341	Cytotoxicity and cellular uptake of tri-block copolymer nanoparticles with different size and surface characteristics. *Particle and Fibre Toxicology*, **2012**, 9, 11	8.4	55

340	Tandem mass spectrometry analysis of N2-(trans-Isoestragol-3Pyl)-2Pdeoxyguanosine as a strategy to study species differences in sulfotransferase conversion of the proximate carcinogen 1Phydroxyestragole. *Chemical Research in Toxicology*, **2007**, 20, 991-8	4	55
339	Computer-modeling-based QSARs for analyzing experimental data on biotransformation and toxicity. *Toxicology in Vitro*, **2001**, 15, 539-51	3.6	55
338	Quercetin induces hepatic lipid omega-oxidation and lowers serum lipid levels in mice. *PLoS ONE*, **2013**, 8, e51588	3.7	55
337	Levels of Genotoxic and Carcinogenic Ingredients in Plant Food Supplements and Associated Risk Assessment. *Food and Nutrition Sciences (Print)*, **2011**, 02, 989-1010	0.4	53
336	Assessment of an in vitro transport model using BeWo b30 cells to predict placental transfer of compounds. *Archives of Toxicology*, **2013**, 87, 1661-9	5.8	52
335	A physiologically based biodynamic (PBBD) model for estragole DNA binding in rat liver based on in vitro kinetic data and estragole DNA adduct formation in primary hepatocytes. *Toxicology and Applied Pharmacology*, **2010**, 245, 57-66	4.6	52
334	Correlation of Calculated Activation Energies with Experimental Rate Constants for an Enzyme Catalyzed Aromatic Hydroxylation. *Journal of the American Chemical Society*, **1998**, 120, 7641-7642	16.4	52
333	Bioavailability of genistein and its glycoside genistin as measured in the portal vein of freely moving unanesthetized rats. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 8006-12	5.7	52
332	Surface charge-specific cytotoxicity and cellular uptake of tri-block copolymer nanoparticles. *Nanotoxicology*, **2013**, 7, 71-84	5.3	51
331	Combining in vitro embryotoxicity data with physiologically based kinetic (PBK) modelling to define in vivo dose-response curves for developmental toxicity of phenol in rat and human. *Archives of Toxicology*, **2013**, 87, 1709-23	5.8	49
330	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
329	Occurrence of the NIH shift upon the cytochrome P450-catalyzed in vivo and in vitro aromatic ring hydroxylation of fluorobenzenes. *Chemical Research in Toxicology*, **1998**, 11, 503-12	4	48
328	A state-of-the-art overview of the effect of metabolic conjugation on the biological activity of flavonoids. *Food and Function*, **2012**, 3, 1008-18	6.1	47
327	The FEMA GRAS assessment of aliphatic and aromatic terpene hydrocarbons used as flavor ingredients. *Food and Chemical Toxicology*, **2011**, 49, 2471-94	4.7	47
326	Human glutathione S-transferase-mediated glutathione conjugation of curcumin and efflux of these conjugates in Caco-2 cells. *Chemical Research in Toxicology*, **2007**, 20, 1895-902	4	47
325	Flavoenzyme-Catalyzed Oxygenations and Oxidations of Phenolic Compounds. *Advanced Synthesis and Catalysis*, **2002**, 344, 1023-1035	5.6	47
324	Reversal of in vitro cellular MRP1 and MRP2 mediated vincristine resistance by the flavonoid myricetin. *Biochemical Pharmacology*, **2005**, 69, 1657-65	6	47
323	Mode of action-based risk assessment of genotoxic carcinogens. *Archives of Toxicology*, **2020**, 94, 1787-1877	5.8	46

322	Superinduction of estrogen receptor mediated gene expression in luciferase based reporter gene assays is mediated by a post-transcriptional mechanism. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 122, 204-11	5.1	45
321	Enforcement of the ban on aristolochic acids in Chinese traditional herbal preparations on the Dutch market. *Analytical and Bioanalytical Chemistry*, **2007**, 389, 263-75	4.4	45
320	Conversion of phenol derivatives to hydroxylated products by phenol hydroxylase from Trichosporon cutaneum. A comparison of regioselectivity and rate of conversion with calculated molecular orbital substrate characteristics. *FEBS Journal*, **1995**, 227, 284-91		45
319	Stable reporter cell lines for peroxisome proliferator-activated receptor [(PPAR)]-mediated modulation of gene expression. *Analytical Biochemistry*, **2011**, 414, 77-83	3.1	44
318	19F NMR study on the biodegradation of fluorophenols by various Rhodococcus species. *Biodegradation*, **1998**, 9, 475-86	4.1	44
317	Degradation of 3,4-dichloro- and 3,4-difluoroaniline by Pseudomonas fluorescens 26-K. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2003**, 38, 121-32	2.2	44
316	The effect of varying halogen substituent patterns on the cytochrome P450 catalysed dehalogenation of 4-halogenated anilines to 4-aminophenol metabolites. *Biochemical Pharmacology*, **1995**, 49, 1235-48	6	44
315	Microsomal metabolism of fluoroanilines. *Xenobiotica*, **1989**, 19, 1297-305	2	44
314	Basil extract inhibits the sulfotransferase mediated formation of DNA adducts of the procarcinogen 1Phydroxyestragole by rat and human liver S9 homogenates and in HepG2 human hepatoma cells. *Food and Chemical Toxicology*, **2008**, 46, 2296-302	4.7	43
313	Detection of marine neurotoxins in food safety testing using a multielectrode array. *Molecular Nutrition and Food Research*, **2014**, 58, 2369-78	5.9	42
312	The effect of co-administered flavonoids on the metabolism of hesperetin and the disposition of its metabolites in Caco-2 cell monolayers. *Molecular Nutrition and Food Research*, **2010**, 54, 851-60	5.9	42
311	Frontier orbital study on the 4-hydroxybenzoate-3-hydroxylase-dependent activity with benzoate derivatives. *FEBS Journal*, **1992**, 206, 479-84		42
310	Newly constructed stable reporter cell lines for mechanistic studies on electrophile-responsive element-mediated gene expression reveal a role for flavonoid planarity. *Biochemical Pharmacology*, **2006**, 72, 217-26	6	41
309	Modulatory effects of quercetin on proliferation and differentiation of the human colorectal cell line Caco-2. *Cancer Letters*, **2006**, 238, 248-59	9.9	41
308	Quantitative structure-activity relationship modeling of the toxicity of organothiophosphate pesticides to Daphnia magna and Cyprinus carpio. *Chemosphere*, **2009**, 75, 1531-8	8.4	40
307	Identification of nevadensin as an important herb-based constituent inhibiting estragole bioactivation and physiology-based biokinetic modeling of its possible in vivo effect. *Toxicology and Applied Pharmacology*, **2010**, 245, 179-90	4.6	40
306	The FEMA GRAS assessment of alpha,beta-unsaturated aldehydes and related substances used as flavor ingredients. *Food and Chemical Toxicology*, **2008**, 46, 2935-67	4.7	40
305	Cytochrome P450-mediated oxidation of pentafluorophenol to tetrafluorobenzoquinone as the primary reaction product. *Chemical Research in Toxicology*, **1993**, 6, 674-80	4	40

304	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
303	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
302	Tutorial on physiologically based kinetic modeling in molecular nutrition and food research. *Molecular Nutrition and Food Research*, **2011**, 55, 941-56	5.9	39
301	Stereoselective conjugation, transport and bioactivity of s- and R-hesperetin enantiomers in vitro. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 6119-25	5.7	39
300	Formation of transient covalent protein and DNA adducts by quercetin in cells with and without oxidative enzyme activity. *Chemical Research in Toxicology*, **2005**, 18, 1907-16	4	39
299	A physiological threshold for protection against menadione toxicity by human NAD(P)H:quinone oxidoreductase (NQO1) in Chinese hamster ovary (CHO) cells. *Biochemical Pharmacology*, **2002**, 64, 1597-603	6	39
298	19F nuclear magnetic resonance as a tool to investigate microbial degradation of fluorophenols to fluorocatechols and fluoromuconates. *Applied and Environmental Microbiology*, **1998**, 64, 1256-63	4.8	39
297	Quantitative comparison between in vivo DNA adduct formation from exposure to selected DNA-reactive carcinogens, natural background levels of DNA adduct formation and tumour incidence in rodent bioassays. *Mutagenesis*, **2011**, 26, 605-18	2.8	38
296	Role of catechin quinones in the induction of EpRE-mediated gene expression. *Chemical Research in Toxicology*, **2008**, 21, 2352-60	4	38
295	Risk assessment for pyrrolizidine alkaloids detected in (herbal) teas and plant food supplements. *Regulatory Toxicology and Pharmacology*, **2017**, 86, 292-302	3.4	37
294	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
293	Development of a 19F-n.m.r. method for studies on the in vivo and in vitro metabolism of 2-fluoroaniline. *Xenobiotica*, **1990**, 20, 657-70	2	37
292	Impact of structural and metabolic variations on the toxicity and carcinogenicity of hydroxy- and alkoxy-substituted allyl- and propenylbenzenes. *Chemical Research in Toxicology*, **2014**, 27, 1092-103	4	36
291	Regioselectivity and quantitative structure-activity relationships for the conjugation of a series of fluoronitrobenzenes by purified glutathione S-transferase enzymes from rat and man. *Chemical Research in Toxicology*, **1996**, 9, 638-46	4	36
290	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
289	Impact of nanoparticle surface functionalization on the protein corona and cellular adhesion, uptake and transport. *Journal of Nanobiotechnology*, **2018**, 16, 70	9.4	35
288	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
287	Combined quantum mechanical and molecular mechanical reaction pathway calculation for aromatic hydroxylation by p-hydroxybenzoate-3-hydroxylase. *Journal of Molecular Graphics and Modelling*, **1999**, 17, 163-75, 214	2.8	34

286	The effect of iron to manganese substitution on microperoxidase 8 catalysed peroxidase and cytochrome P450 type of catalysis. *Journal of Biological Inorganic Chemistry*, **1999**, 4, 274-83	3.7	34
285	A new hypothesis for the mechanism for cytochrome P-450 dependent aerobic conversion of hexahalogenated benzenes to pentahalogenated phenols. *Chemical Research in Toxicology*, **1992**, 5, 10-9	4	34
284	Physiologically based biokinetic model of bioactivation and detoxification of the alkenylbenzene methyleugenol in rat. *Toxicology in Vitro*, **2011**, 25, 267-85	3.6	33
283	Physiologically based kinetic modeling of bioactivation and detoxification of the alkenylbenzene methyleugenol in human as compared with rat. *Toxicology and Applied Pharmacology*, **2012**, 260, 271-84	4.6	32
282	Inhibition of cellular efflux pumps involved in multi xenobiotic resistance (MXR) in echinoid larvae as a possible mode of action for increased ecotoxicological risk of mixtures. *Ecotoxicology*, **2012**, 21, 2276-87	2.9	32
281	An n-3 PUFA-rich microalgal oil diet protects to a similar extent as a fish oil-rich diet against AOM-induced colonic aberrant crypt foci in F344 rats. *Food and Chemical Toxicology*, **2009**, 47, 316-20	4.7	32
280	Future of toxicology--low-dose toxicology and risk--benefit analysis. *Chemical Research in Toxicology*, **2006**, 19, 977-81	4	32
279	Marine neurotoxins: state of the art, bottlenecks, and perspectives for mode of action based methods of detection in seafood. *Molecular Nutrition and Food Research*, **2014**, 58, 87-100	5.9	31
278	Translocation of positively and negatively charged polystyrene nanoparticles in an in vitro placental model. *Toxicology in Vitro*, **2015**, 29, 1701-10	3.6	30
277	Application of bioassays in toxicological hazard, risk and impact assessments of dredged sediments. *Marine Pollution Bulletin*, **2010**, 60, 2026-42	6.7	30
276	The definition of hormesis and its implications for in vitro to in vivo extrapolation and risk assessment. *Critical Reviews in Toxicology*, **2005**, 35, 603-7	5.7	30
275	Induction of peroxisome proliferator-activated receptor [PPAR]-mediated gene expression by tomato (Solanum lycopersicum L.) extracts. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 3419-27	5.7	29
274	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
273	Quantitative proteomics and transcriptomics addressing the estrogen receptor subtype-mediated effects in T47D breast cancer cells exposed to the phytoestrogen genistein. *Molecular and Cellular Proteomics*, **2011**, 10, M110.002170	7.6	29
272	In silico methods for physiologically based biokinetic models describing bioactivation and detoxification of coumarin and estragole: implications for risk assessment. *Molecular Nutrition and Food Research*, **2010**, 54, 195-207	5.9	29
271	Antioxidant activities of carotenoids: quantitative relationships between theoretical calculations and experimental literature data. *Free Radical Research*, **1999**, 30, 233-40	4	29
270	Quantitative structure-activity relationships based on computer calculated parameters for the overall rate of glutathione S-transferase catalyzed conjugation of a series of fluoronitrobenzenes. *Chemical Research in Toxicology*, **1995**, 8, 481-8	4	29
269	Molecular orbital study of the hydroxylation of benzene and monofluorobenzene catalysed by iron-oxo porphyrin cation radical complexes. *Journal of Biological Inorganic Chemistry*, **1996**, 1, 192-204	3.7	29

268	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
267	Physiologically based kinetic models for the alkenylbenzene elemicin in rat and human and possible implications for risk assessment. *Chemical Research in Toxicology*, **2012**, 25, 2352-67	4	28
266	Evaluation of research activities and research needs to increase the impact and applicability of alternative testing strategies in risk assessment practice. *Regulatory Toxicology and Pharmacology*, **2011**, 61, 105-14	3.4	28
265	Safety assessment of plant food supplements (PFS). *Food and Function*, **2011**, 2, 760-8	6.1	28
264	Safety assessment of botanicals and botanical preparations used as ingredients in food supplements: testing an European Food Safety Authority-tiered approach. *Molecular Nutrition and Food Research*, **2010**, 54, 175-85	5.9	28
263	Molecular determinants of xenobiotic metabolism: QM/MM simulation of the conversion of 1-chloro-2,4-dinitrobenzene catalyzed by M1-1 glutathione S-transferase. *Biochemistry*, **2007**, 46, 6353-63	3.2	28
262	Consequences of quercetin methylation for its covalent glutathione and DNA adduct formation. *Chemico-Biological Interactions*, **2006**, 160, 193-203	5	28
261	A comparative study on the effect of algal and fish oil on viability and cell proliferation of Caco-2 cells. *Food and Chemical Toxicology*, **2007**, 45, 716-24	4.7	28
260	The role of glutathione and changes in thiol homeostasis in cultured lung cells exposed to ozone. *Toxicology*, **1985**, 35, 207-17	4.4	28
259	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
258	Exposure assessment of process-related contaminants in food by biomarker monitoring. *Archives of Toxicology*, **2018**, 92, 15-40	5.8	27
257	In vivo validation of DNA adduct formation by estragole in rats predicted by physiologically based biodynamic modelling. *Mutagenesis*, **2012**, 27, 653-63	2.8	27
256	Characterization of Iron(III) Tetramesitylporphyrin and Microperoxidase-8 Incorporated into the Molecular Sieve MCM-41. *Inorganic Chemistry*, **1999**, 38, 4901-4905	5.1	27
255	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
254	Interaction of hesperetin glucuronide conjugates with human BCRP, MRP2 and MRP3 as detected in membrane vesicles of overexpressing baculovirus-infected Sf9 cells. *Biopharmaceutics and Drug Disposition*, **2011**, 32, 530-5	1.7	26
253	Oxygen exchange with water in heme-oxo intermediates during H2O2-driven oxygen incorporation in aromatic hydrocarbons catalyzed by microperoxidase-8. *FEBS Journal*, **1998**, 253, 659-68		26
252	Differences in simulated liver concentrations of toxic coumarin metabolites in rats and different human populations evaluated through physiologically based biokinetic (PBBK) modeling. *Toxicology in Vitro*, **2008**, 22, 1890-901	3.6	26
251	QSAR models for predicting in vivo aquatic toxicity of chlorinated alkanes to fish. *Chemical Research in Toxicology*, **2008**, 21, 739-45	4	26

250	Reductive deamination as a new step in the anaerobic microbial degradation of halogenated anilines. *FEMS Microbiology Letters*, **2002**, 209, 307-12	2.9	26
249	In vitro nanoparticle toxicity to rat alveolar cells and coelomocytes from the earthworm Lumbricus rubellus. *Nanotoxicology*, **2014**, 8, 28-37	5.3	25
248	Toward in vitro biomarkers for developmental toxicity and their extrapolation to the in vivo situation. *Expert Opinion on Drug Metabolism and Toxicology*, **2012**, 8, 11-27	5.5	25
247	Physiologically based biokinetic (PBBK) modeling of safrole bioactivation and detoxification in humans as compared with rats. *Toxicological Sciences*, **2012**, 128, 301-16	4.4	25
246	Reversible formation of high-valent-iron-oxo porphyrin intermediates in heme-based catalysis: revisiting the kinetic model for horseradish peroxidase. *Inorganica Chimica Acta*, **1998**, 275-276, 98-105	2.7	25
245	Heme-(hydro)peroxide mediated O- and N-dealkylation. A study with microperoxidase. *FEBS Journal*, **2000**, 267, 6673-8		25
244	Developmental toxicity of thyroid-active compounds in a zebrafish embryotoxicity test. *ALTEX: Alternatives To Animal Experimentation*, **2014**, 31, 303-17	4.3	25
243	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
242	Robust array-based coregulator binding assay predicting ER agonist potency and generating binding profiles reflecting ligand structure. *Chemical Research in Toxicology*, **2013**, 26, 336-46	4	24
241	The role of quinone reductase (NQO1) and quinone chemistry in quercetin cytotoxicity. *Toxicology in Vitro*, **2003**, 17, 423-31	3.6	24
240	Modelling flavin and substrate substituent effects on the activation barrier and rate of oxygen transfer by p-hydroxybenzoate hydroxylase. *FEBS Letters*, **2000**, 478, 197-201	3.8	24
239	Preferential oxidative dehalogenation upon conversion of 2-halophenols by Rhodococcus opacus 1G. *FEMS Microbiology Letters*, **1999**, 181, 73-82	2.9	24
238	The effect of age on inducibility of various types of rat liver cytochrome P-450. *Xenobiotica*, **1992**, 22, 515-22	2	24
237	The involvement of primary and secondary metabolism in the covalent binding of 1,2- and 1,4-dichlorobenzenes. *Chemico-Biological Interactions*, **1992**, 84, 259-75	5	24
236	Reaction pathways for biodehalogenation of fluorinated anilines. *FEBS Journal*, **1990**, 194, 945-54		24
235	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
234	Relative developmental toxicity potencies of retinoids in the embryonic stem cell test compared with their relative potencies in in vivo and two other in vitro assays for developmental toxicity. *Toxicology Letters*, **2011**, 203, 1-8	4.4	23
233	Physiologically based biokinetic (PBBK) model for safrole bioactivation and detoxification in rats. *Chemical Research in Toxicology*, **2011**, 24, 818-34	4	23

232	A physiologically based in silico kinetic model predicting plasma cholesterol concentrations in humans. *Journal of Lipid Research*, **2012**, 53, 2734-46	6.3	23
231	Calculated ionisation potentials determine the oxidation of vanillin precursors by lignin peroxidase. *FEBS Letters*, **1998**, 430, 390-2	3.8	23
230	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
229	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
228	Physiologically based kinetic modeling of the bioactivation of myristicin. *Archives of Toxicology*, **2017**, 91, 713-734	5.8	22
227	Microperoxidase/H2O2-mediated alkoxylating dehalogenation of halophenol derivatives in alcoholic media. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 4295-9	11.5	22
226	Activation of EpRE-mediated gene transcription by quercetin glucuronides depends on their deconjugation. *Food and Chemical Toxicology*, **2008**, 46, 2128-34	4.7	22
225	Characterization of different commercial soybean peroxidase preparations and use of the enzyme for N-demethylation of methyl N-methylanthranilate To produce the food flavor methylanthranilate. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 1949-54	5.7	22
224	NADPH-cytochrome reductase catalysed redox cycling of 1,4-benzoquinone; hampered at physiological conditions, initiated at increased pH values. *Biochemical Pharmacology*, **1994**, 47, 1949-55	6	22
223	A 155-plex high-throughput in vitro coregulator binding assay for (anti-)estrogenicity testing evaluated with 23 reference compounds. *ALTEX: Alternatives To Animal Experimentation*, **2013**, 30, 145-57	4.3	22
222	Extending an in vitro panel for estrogenicity testing: the added value of bioassays for measuring antiandrogenic activities and effects on steroidogenesis. *Toxicological Sciences*, **2014**, 141, 78-89	4.4	21
221	Chemical analysis of estragole in fennel based teas and associated safety assessment using the Margin of Exposure (MOE) approach. *Food and Chemical Toxicology*, **2014**, 65, 147-54	4.7	21
220	Cultivation of the heart urchin Echinocardium cordatum and validation of its use in marine toxicity testing for environmental risk assessment. *Journal of Experimental Marine Biology and Ecology*, **2008**, 364, 11-18	2.1	21
219	Differential substrate behaviour of phenol and aniline derivatives during conversion by horseradish peroxidase. *BBA - Proteins and Proteomics*, **1999**, 1435, 22-9		21
218	The influence of the peptide chain on the kinetics and stability of microperoxidases. *FEBS Journal*, **1996**, 241, 215-20		21
217	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
216	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
215	In vivo validation and physiologically based biokinetic modeling of the inhibition of SULT-mediated estragole DNA adduct formation in the liver of male Sprague-Dawley rats by the basil flavonoid nevadensin. *Molecular Nutrition and Food Research*, **2013**, 57, 1969-78	5.9	20

214	Development of an on-line high performance liquid chromatography detection system for human cytochrome P450 1A2 inhibitors in extracts of natural products. *Journal of Chromatography A*, **2007**, 1141, 81-9	4.5	20
213	Human NAD(P)H:quinone oxidoreductase inhibition by flavonoids in living cells. *Free Radical Biology and Medicine*, **2005**, 39, 257-65	7.8	20
212	Identification of fluoropyrogallols as new intermediates in biotransformation of monofluorophenols in Rhodococcus opacus 1cp. *Applied and Environmental Microbiology*, **2000**, 66, 2148-53	4.8	20
211	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
210	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
209	Evaluation of human interindividual variation in bioactivation of estragole using physiologically based biokinetic modeling. *Toxicological Sciences*, **2010**, 113, 337-48	4.4	19
208	On the number of EINECS compounds that can be covered by (Q)SAR models for acute toxicity. *Toxicology Letters*, **2009**, 184, 67-72	4.4	19
207	Conversion of pentahalogenated phenols by microperoxidase-8/H2O2 to benzoquinone-type products. *Chemical Research in Toxicology*, **1998**, 11, 1319-25	4	19
206	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
205	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
204	The natural basil flavonoid nevadensin protects against a methyleugenol-induced marker of hepatocarcinogenicity in male F344 rat. *Food and Chemical Toxicology*, **2014**, 74, 28-34	4.7	18
203	Consumer and farmer safety evaluation of application of botanical pesticides in black pepper crop protection. *Food and Chemical Toxicology*, **2013**, 56, 483-90	4.7	18
202	Inhibition of methyleugenol bioactivation by the herb-based constituent nevadensin and prediction of possible in vivo consequences using physiologically based kinetic modeling. *Food and Chemical Toxicology*, **2013**, 59, 564-71	4.7	18
201	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
200	An in vitro and in silico study on the flavonoid-mediated modulation of the transport of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) through Caco-2 monolayers. *Toxicology and Applied Pharmacology*, **2006**, 217, 204-15	4.6	18
199	Catabolism of 4-hydroxybenzoate in Candida parapsilosis proceeds through initial oxidative decarboxylation by a FAD-dependent 4-hydroxybenzoate 1-hydroxylase. *FEMS Microbiology Letters*, **1994**, 121, 207-15	2.9	18
198	Identification of thyroid hormone receptor active compounds using a quantitative high-throughput screening platform. *Current Chemical Genomics and Translational Medicine*, **2014**, 8, 36-46		18
197	Interindividual Differences in Human Intestinal Microbial Conversion of (-)-Epicatechin to Bioactive Phenolic Compounds. *Journal of Agricultural and Food Chemistry*, **2020**,	5.7	18

196	FEMA GRAS assessment of natural flavor complexes: Citrus-derived flavoring ingredients. *Food and Chemical Toxicology*, **2019**, 124, 192-218	4.7	18
195	The effect of glucuronidation on isoflavone induced estrogen receptor (ER)α and ERβ mediated coregulator interactions. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 154, 245-53	5.1	17
194	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
193	Relative embryotoxic potency of p-substituted phenols in the embryonic stem cell test (EST) and comparison to their toxic potency in vivo and in the whole embryo culture (WEC) assay. *Toxicology Letters*, **2012**, 213, 235-42	4.4	17
192	Matrix modulation of the bioactivation of estragole by constituents of different alkenylbenzene-containing herbs and spices and physiologically based biokinetic modeling of possible in vivo effects. *Toxicological Sciences*, **2012**, 129, 174-87	4.4	17
191	Food-associated estrogenic compounds induce estrogen receptor-mediated luciferase gene expression in transgenic male mice. *Chemico-Biological Interactions*, **2008**, 174, 126-33	5	17
190	Differential induction of electrophile-responsive element-regulated genes by n-3 and n-6 polyunsaturated fatty acids. *FEBS Letters*, **2006**, 580, 4587-90	3.8	17
189	19F-NMR study on the pH-dependent regioselectivity and rate of the ortho-hydroxylation of 3-fluorophenol by phenol hydroxylase from Trichosporon cutaneum. Implications for the reaction mechanism. *FEBS Journal*, **1993**, 218, 345-53		17
188	On the role of phospholipids in the reconstituted cytochrome P-450 system. A model study using dilauroyl and distearoyl glycerophosphocholine. *FEBS Journal*, **1989**, 181, 309-16		17
187	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
186	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
185	Formation of genotoxic compounds by medium pressure ultraviolet treatment of nitrate-rich water. *Desalination and Water Treatment*, **2014**, 52, 6275-6281		16
184	Proliferation assays for estrogenicity testing with high predictive value for the in vivo uterotrophic effect. *Journal of Steroid Biochemistry and Molecular Biology*, **2012**, 128, 98-106	5.1	16
183	Quantitative structure/activity relationship for the rate of conversion of C4-substituted catechols by catechol-1,2-dioxygenase from Pseudomonas putida (arvilla) C1. *FEBS Journal*, **1998**, 257, 92-100		16
182	Quantum chemistry based quantitative structure-activity relationships for modeling the (sub)acute toxicity of substituted mononitrobenzenes in aquatic systems. *Environmental Toxicology and Chemistry*, **2006**, 25, 2313-21	3.8	16
181	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
180	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
179	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

178	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
177	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
176	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
175	Myricetin stimulates the absorption of the pro-carcinogen PhIP. *Cancer Letters*, **2006**, 231, 36-42	9.9	15
174	Experimental and theoretical study on the redox cycling of resorufin by solubilized and membrane-bound NADPH-cytochrome reductase. *Chemical Research in Toxicology*, **1992**, 5, 268-73	4	15
173	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
172	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
171	Towards an integrated in vitro strategy for estrogenicity testing. *Journal of Applied Toxicology*, **2014**, 34, 1031-40	4.1	14
170	Flavonoids and alkenylbenzenes: New concepts in bioactivation studies. *Chemico-Biological Interactions*, **2011**, 192, 87-95	5	14
169	Decrease of intracellular pH as possible mechanism of embryotoxicity of glycol ether alkoxyacetic acid metabolites. *Toxicology and Applied Pharmacology*, **2010**, 245, 236-43	4.6	14
168	Influence of substituents in fluorobenzene derivatives on the cytochrome P450-catalyzed hydroxylation at the adjacent ortho aromatic carbon center. *Chemical Research in Toxicology*, **1997**, 10, 279-88	4	14
167	MP8-dependent oxidative dehalogenation: evidence for the direct formation of 1,4-benzoquinone from 4-fluorophenol by a peroxidase-type of reaction pathway. *Chemico-Biological Interactions*, **1997**, 104, 147-64	5	14
166	A specific interaction between NADPH-cytochrome reductase and phosphatidylserine and phosphatidylinositol. *FEBS Journal*, **1993**, 218, 1021-9		14
165	Methyl linoleate ozonide as a substrate for rat glutathione S-transferases: reaction pathway and isoenzyme selectivity. *Chemico-Biological Interactions*, **1989**, 69, 269-78	5	14
164	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
163	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
162	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
161	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

160	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
159	A physiologically based kinetic (PBK) model describing plasma concentrations of quercetin and its metabolites in rats. *Biochemical Pharmacology*, **2014**, 89, 287-99	6	13
158	Cell proliferation and modulation of interaction of estrogen receptors with coregulators induced by ER and ER agonists. *Journal of Steroid Biochemistry and Molecular Biology*, **2014**, 143, 376-85	5.1	13
157	A physiologically based in silico model for trans-2-hexenal detoxification and DNA adduct formation in human including interindividual variation indicates efficient detoxification and a negligible genotoxicity risk. *Archives of Toxicology*, **2013**, 87, 1725-37	5.8	13
156	Matrix-derived combination effect and risk assessment for estragole from basil-containing plant food supplements (PFS). *Food and Chemical Toxicology*, **2013**, 62, 32-40	4.7	13
155	GRASr2 evaluation of aliphatic acyclic and alicyclic terpenoid tertiary alcohols and structurally related substances used as flavoring ingredients. *Journal of Food Science*, **2014**, 79, R428-41	3.4	13
154	Surface charge-specific interactions between polymer nanoparticles and ABC transporters in Caco-2 cells. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	13
153	Metabolism of ATP-binding cassette drug transporter inhibitors: complicating factor for multidrug resistance. *Expert Opinion on Drug Metabolism and Toxicology*, **2005**, 1, 219-32	5.5	13
152	Different metabolic pathways of 2,5-difluoronitrobenzene and 2,5-difluoroaminobenzene compared to molecular orbital substrate characteristics. *Chemico-Biological Interactions*, **1995**, 94, 49-72	5	13
151	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
150	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
149	The safety evaluation of food flavoring substances: the role of genotoxicity studies. *Critical Reviews in Toxicology*, **2020**, 50, 1-27	5.7	12
148	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
147	The safety evaluation of food flavouring substances: the role of metabolic studies. *Toxicology Research*, **2018**, 7, 618-646	2.6	12
146	Perceived versus real toxicological safety of pangasius catfish: a review modifying market perspectives. *Reviews in Aquaculture*, **2018**, 10, 123-134	8.9	12
145	P-gp efflux pump inhibition potential of common environmental contaminants determined in vitro. *Environmental Toxicology and Chemistry*, **2014**, 33, 804-13	3.8	12
144	Interference of flavonoids with enzymatic assays for the determination of free fatty acid and triglyceride levels. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 1389-92	4.4	12
143	Safety evaluation of substituted thiophenes used as flavoring ingredients. *Food and Chemical Toxicology*, **2017**, 99, 40-59	4.7	12

142	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
141	Safety assessment of smoke flavouring primary products by the European Food Safety Authority. *Trends in Food Science and Technology*, **2012**, 27, 97-108	15.3	12
140	Molecular orbital study of porphyrin-substrate interactions in cytochrome P450 catalysed aromatic hydroxylation of substituted anilines. *Biophysical Chemistry*, **1998**, 73, 189-203	3.5	12
139	5-Fluorouracil metabolite patterns in viable and necrotic tumor areas of murine colon carcinoma determined by 19F NMR spectroscopy. *Magnetic Resonance in Medicine*, **1996**, 36, 445-50	4.4	12
138	5-Fluorouracil in colorectal cancer: rationale and clinical results of frequently used schedules. *Anti-Cancer Drugs*, **1998**, 9, 371-80	2.4	12
137	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
136	The use of adverse outcome pathways in the safety evaluation of food additives. *Archives of Toxicology*, **2020**, 94, 959-966	5.8	11
135	Aflatoxin B1 in nixtamalized maize in Mexico; occurrence and accompanying risk assessment. *Toxicology Reports*, **2019**, 6, 1135-1142	4.8	11
134	Malabaricone C-containing mace extract inhibits safrole bioactivation and DNA adduct formation both in vitro and in vivo. *Food and Chemical Toxicology*, **2014**, 66, 373-84	4.7	11
133	A physiologically based in silico model for trans-2-hexenal detoxification and DNA adduct formation in rat. *Chemical Research in Toxicology*, **2012**, 25, 2630-41	4	11
132	Bovine liver slices: A multifunctional in vitro model to study the prohormone dehydroepiandrosterone (DHEA). *Toxicology in Vitro*, **2012**, 26, 1014-21	3.6	11
131	GSTP1-1 stereospecifically catalyzes glutathione conjugation of ethacrynic acid. *FEBS Letters*, **1998**, 441, 153-7	3.8	11
130	Effects of flavonoid mixtures on the transport of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) through Caco-2 monolayers: an in vitro and kinetic modeling approach to predict the combined effects on transporter inhibition. *Food and Chemical Toxicology*, **2008**, 46, 557-66	4.7	11
129	Pathway and single gene analyses of inhibited Caco-2 differentiation by ascorbate-stabilized quercetin suggest enhancement of cellular processes associated with development of colon cancer. *Molecular Nutrition and Food Research*, **2007**, 51, 1031-45	5.9	11
128	In vivo relevance of two critical levels for NAD(P)H:quinone oxidoreductase (NQO1)-mediated cellular protection against electrophile toxicity found in vitro. *Toxicology in Vitro*, **2006**, 20, 594-600	3.6	11
127	Conversion of 2-fluoromuconate to cis-dienelactone by purified enzymes of Rhodococcus opacus 1cp. *Applied and Environmental Microbiology*, **2003**, 69, 5636-42	4.8	11
126	A mechanism for oxygen exchange between ligated oxometalloporphinates and bulk water. *Biochemical and Biophysical Research Communications*, **2000**, 272, 551-6	3.4	11
125	Transformation of the insecticide teflubenzuron by microorganisms. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2001**, 36, 559-67	2.2	11

124	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
123	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
122	Risk Assessment Paradigm for Glutamate. *Annals of Nutrition and Metabolism*, **2018**, 73 Suppl 5, 53-64	4.5	11
121	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
120	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
119	Biotransformation and bioactivation reactions - 2015 literature highlights. *Drug Metabolism Reviews*, **2016**, 48, 113-38	7	10
118	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
117	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
116	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
115	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
114	Excretion and metabolism of desogestrel in healthy postmenopausal women. *Journal of Steroid Biochemistry and Molecular Biology*, **2001**, 78, 471-80	5.1	10
113	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
112	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
111	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
110	Systematic construction of a conceptual minimal model of plasma cholesterol levels based on knockout mouse phenotypes. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 646-54	5	9
109	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, 617-21	3.6	9
108	Glutathione S-transferase phenotypes in relation to genetic variation and fruit and vegetable consumption in an endoscopy-based population. *Carcinogenesis*, **2007**, 28, 848-57	4.6	9
107	1H NMR T1 relaxation rate study on substrate orientation of fluoromethylanilines in the active sites of microsomal and purified cytochromes P450 1A1 and 2B1. *FEBS Letters*, **1995**, 368, 279-84	3.8	9

106	Interaction between the substrate and the high-valent-iron-oxo porphyrin cofactor as a possible factor influencing the regioselectivity of cytochrome P450 catalysed aromatic ring hydroxylation of 3-fluoro(methyl)anilines. *Chemico-Biological Interactions*, **1996**, 99, 129-46	5	9
105	Comparative MO-QSAR studies in various species including man. *Chemico-Biological Interactions*, **1996**, 100, 187-201	5	9
104	FEMA GRAS assessment of natural flavor complexes: Cinnamomum and Myroxylon-derived flavoring ingredients. *Food and Chemical Toxicology*, **2020**, 135, 110949	4.7	9
103	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
102	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
101	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
100	Identification of coregulators influenced by estrogen receptor subtype specific binding of the ER antagonists 4-hydroxytamoxifen and fulvestrant. *Chemico-Biological Interactions*, **2014**, 220, 222-30	5	8
99	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
98	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
97	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
96	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
95	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
94	Induction of electrophile-responsive element (EpRE)-mediated gene expression by tomato extracts in vitro. *Food Chemistry*, **2012**, 135, 1166-72	8.5	7
93	Estrogenicity of food-associated estrogenic compounds in the fetuses of female transgenic mice upon oral and IP maternal exposure. *Reproductive Toxicology*, **2009**, 27, 133-9	3.4	7
92	Quantitative structure activity relationships for the conversion of nitrobenzimidazolones and nitrobenzimidazoles by DT-diaphorase: implications for the kinetic mechanism. *FEBS Letters*, **1998**, 427, 325-9	3.8	7
91	A case study on Bangka Island, Indonesia on the habits and consequences of pesticide use in pepper plantations. *Environmental Toxicology*, **2007**, 22, 405-14	4.2	7
90	Kinetics of cytochromes P-450 IA1 and IIB1 in reconstituted systems with dilauroyl- and distearoyl-glycerophosphocholine. *FEBS Journal*, **1993**, 215, 373-81		7
89	Structure activity relationships for the chemical behaviour and toxicity of electrophilic quinones/quinone methides. *Advances in Experimental Medicine and Biology*, **2001**, 500, 11-21	3.6	7

88	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
87	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
86	Estrogen receptor alpha (ERα)-mediated coregulator binding and gene expression discriminates the toxic ERα agonist diethylstilbestrol (DES) from the endogenous ERα agonist 17β-estradiol (E2). *Cell Biology and Toxicology*, **2020**, 36, 417-435	7.4	6
85	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
84	Human T47D-ERα breast cancer cells with tetracycline-dependent ERα expression reflect ERβ/ERα ratios in rat and human breast tissue. *Toxicology in Vitro*, **2013**, 27, 1753-61	3.6	6
83	Undesired Plant-Derived Components in Food **2017**, 379-424		6
82	A physiologically-based kinetic model for the prediction of plasma cholesterol concentrations in the mouse. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2011**, 1811, 333-42	5	6
81	Shifted concentration dependency of EpRE- and XRE-mediated gene expression points at monofunctional EpRE-mediated induction by flavonoids at physiologically relevant concentrations. *Toxicology in Vitro*, **2008**, 22, 921-6	3.6	6
80	Quercetin increases the bioavailability of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in rats. *Food and Chemical Toxicology*, **2008**, 46, 3422-8	4.7	6
79	Isolation and characterization of a microperoxidase-8 with a modified histidine axial ligand. *Journal of Biological Inorganic Chemistry*, **2002**, 7, 870-8	3.7	6
78	Influence of the halogen-substituent pattern of fluoronitrobenzenes on their biotransformation and capacity to induce methemoglobinemia. *Toxicology and Applied Pharmacology*, **1996**, 139, 71-83	4.6	6
77	Relationships between the regioselectivity of the hydroxylation of C4-substituted 2-fluoroaniline derivatives and their toxic endpoints. *Toxicology and Applied Pharmacology*, **1996**, 141, 403-15	4.6	6
76	A spectrophotometric assay for the detection of 2-aminophenols in biological samples. *Analytical Biochemistry*, **1994**, 220, 165-71	3.1	6
75	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
74	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
73	Risk assessment of herbal supplements containing ingredients that are genotoxic and carcinogenic. *Critical Reviews in Toxicology*, **2019**, 49, 567-579	5.7	6
72	Biotransformation and bioactivation reactions - 2017 literature highlights. *Drug Metabolism Reviews*, **2018**, 50, 221-255	7	6
71	Biotransformation and bioactivation reactions - 2016 literature highlights. *Drug Metabolism Reviews*, **2017**, 49, 285-317	7	5

70	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
69	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
68	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
67	Predicting individual responses to pravastatin using a physiologically based kinetic model for plasma cholesterol concentrations. *Journal of Pharmacokinetics and Pharmacodynamics*, **2014**, 41, 351-62	2.7	5
66	Metabolism of the insecticide teflubenzuron in rats. *Xenobiotica*, **1997**, 27, 801-17	2	5
65	The mercapturic acid biotransformation pathway of hexachlorobenzene is not involved in the induction of splenomegaly, or skin and lung lesions in the Brown Norway rat. *Archives of Toxicology*, **2000**, 74, 609-17	5.8	5
64	Computational methods in flavin research. *Methods in Molecular Biology*, **1999**, 131, 207-28	1.4	5
63	Quantitative structure activity relationships for the electron transfer reactions of Anabaena PCC 7119 ferredoxin-NADP+ oxidoreductase with nitrobenzene and nitrobenzimidazolone derivatives: mechanistic implications. *FEBS Letters*, **1999**, 450, 44-8	3.8	5
62	Influence of the type of halogen substituent on in vivo and in vitro phase II metabolism of 2-fluoro-4-halophenol metabolites formed from 3-halo-fluorobenzenes. *Xenobiotica*, **1994**, 24, 759-74	2	5
61	Rat liver microsomal metabolism of 2-halogenated 4-methylanilines. *Xenobiotica*, **1992**, 22, 1403-23	2	5
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	Role of surface charge in bioavailability and biodistribution of tri-block copolymer nanoparticles in rats after oral exposure. *Toxicology Research*, **2013**, 2, 187	2.6	4

52	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
51	Refined hazard characterization of 3-MCPD using benchmark dose modeling. *European Journal of Lipid Science and Technology*, **2012**, 114, 1140-1147	3	4
50	Application of a continuous bioreactor cascade to study the effect of linoleic acid on hybridoma cell physiology. *Biotechnology and Bioengineering*, **2006**, 95, 370-83	4.9	4
49	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
48	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 PPARγ In Humans. *Molecular Nutrition and Food Research*, **2020**, 64, e1900880	5.9	4
47	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
46	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
45	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
44	Biotransformation and bioactivation reactions - 2018 literature highlights. *Drug Metabolism Reviews*, **2019**, 51, 121-161	7	3
43	Novel approaches to derive points of departure for food chemical risk assessment. *Current Opinion in Food Science*, **2019**, 27, 139-144	9.8	3
42	Induction of peroxisome proliferator activated receptor γ (PPARγ) 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
41	A low-density DNA microchip for the detection of (anti-)estrogenic compounds and their relative potencies. *Analytical Biochemistry*, **2013**, 435, 83-92	3.1	3
40	The influence of fruit and vegetable consumption and genetic variation on NAD(P)H:quinone oxidoreductase (NQO1) phenotype in an endoscopy-based population. *Nutrition and Cancer*, **2008**, 60, 204-15	2.8	3
39	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
38	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
37	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
36	Interaction between food-borne mycotoxins and gut microbiota: A review. *Food Control*, **2021**, 126, 107998	6.2	3
35	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

34	Effects of Maerua subcordata (Gilg) DeWolf on electrophile-responsive element (EpRE)-mediated gene expression in vitro. *PLoS ONE*, **2019**, 14, e0215155	3.7	2
33	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
32	Identification of the human P450 enzymes involved in the in vitro metabolism of the synthetic steroidal hormones Org 4060 and Org 30659. *Xenobiotica*, **2002**, 32, 109-18	2	2
31	Excretion balance and metabolism of the progestagen Org 30659 in healthy postmenopausal women. *Journal of Steroid Biochemistry and Molecular Biology*, **2000**, 73, 39-48	5.1	2
30	Methyl linoleate ozonide: a substrate for rat glutathione S-transferases. *European Journal of Drug Metabolism and Pharmacokinetics*, **1987**, 12, 275-7	2.7	2
29	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
28	The Role of Kinetics as Key Determinant in Toxicity of Pyrrolizidine Alkaloids and Their N-Oxides. *Planta Medica*, **2021**,	3.1	2
27	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
26	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
25	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
24	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
23	Induction of EpRE-mediated gene expression by a series of mediterranean botanicals and their constituents. *Journal of Ethnopharmacology*, **2019**, 240, 111940	5	1
22	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
21	Novel advances in biotransformation and bioactivation research-2019 year in review. *Drug Metabolism Reviews*, **2020**, 52, 333-365	7	1
20	In Vitro Methodologies to Study the Role of Advanced Glycation End Products (AGEs) in Neurodegeneration.. *Nutrients*, **2022**, 14,	6.7	1
19	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
18	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
17	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

16	Novel advances in biotransformation and bioactivation research - 2020 year in review. *Drug Metabolism Reviews*, **2021**, 53, 384-433	7	1
15	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
14	Risk characterisation of constituents present in jamu to promote its safe use. *Critical Reviews in Toxicology*, **2021**, 51, 183-191	5.7	1
13	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
12	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
11	The effect of alkyl substitution on the oxidative metabolism and mutagenicity of phenanthrene.. *Archives of Toxicology*, **2022**, 96, 1109-1131	5.8	1
10	Correlation between activation of PPAR□and resistin downregulation in a mouse adipocyte cell line by a series of thiazolidinediones. *Toxicology in Vitro*, **2013**, 27, 1425-32	3.6	0
9	Estragole DNA adduct accumulation in human liver HepaRG cells upon repeated in vitro exposure. *Toxicology Letters*, **2021**, 337, 1-6	4.4	0
8	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
7	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
6	Low dose estragole and 1?-hydroxyestragole induced DNA adduct formation. *Toxicology Letters*, **2008**, 180, S73	4.4	
5	Impact Mechanisms of Ozone at Cell Level. *Studies in Environmental Science*, **1989**, 35, 513-522		
4	Fathobiochemical Effects in Rat Lung Related to Episodic Ozone Exposure. *Studies in Environmental Science*, **1989**, 35, 723-732		
3	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	
2	Novel testing strategy for prediction of rat biliary excretion of intravenously administered estradiol-17□glucuronide. *Archives of Toxicology*, **2021**, 95, 91-102	5.8	
1	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	