

Melvin E Andersen

List of Publications by Year in Descending Order

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Version: 2024-04-24

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

500
papers

22,263
citations

76
h-index

123
g-index

538
ext. papers

24,391
ext. citations

4.7
avg, IF

6.61
L-index

#	Paper	IF	Citations
500	Single enrichment systems possibly underestimate both exposures and biological effects of organic pollutants from drinking water.. <i>Chemosphere</i> , 2022 , 133496	8.4	0
499	The genotoxic potential of mixed nitrosamines in drinking water involves oxidative stress and Nrf2 activation.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128010	12.8	2
498	Using quantitative modeling tools to assess pharmacokinetic bias in epidemiological studies showing associations between biomarkers and health outcomes at low exposures. <i>Environmental Research</i> , 2021 , 197, 111183	7.9	5
497	Why is elevation of serum cholesterol associated with exposure to perfluoroalkyl substances (PFAS) in humans? A workshop report on potential mechanisms. <i>Toxicology</i> , 2021 , 459, 152845	4.4	2
496	A systematic approach to evaluate plausible modes of actions for mouse lung tumors in mice exposed to 4-methylimidazole. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 124, 104977	3.4	1
495	Time-dependent genomic response in primary human uroepithelial cells exposed to arsenite for up to 60 days. <i>Toxicology</i> , 2021 , 461, 152893	4.4	1
494	RNA-sequencing (transcriptomic) data collected in liver and lung of male and female B6C3F1 mice exposed to various dose levels of 4-methylimidazole for 2, 5, or 28 days. <i>Data in Brief</i> , 2021 , 38, 107420	1.2	
493	The TTC Data Mart: An interactive browser for threshold of toxicological concern calculations. <i>Computational Toxicology</i> , 2020 , 15, 100128	3.1	1
492	Consideration of Styrene Transcriptomic Data Informs Mouse Lung Cyp2F2-Mediated Adverse Outcome Pathway. <i>Toxicological Sciences</i> , 2020 , 175, 3-4	4.4	1
491	Long isoforms of NRF1 negatively regulate adipogenesis via suppression of PPAR α expression. <i>Redox Biology</i> , 2020 , 30, 101414	11.3	21
490	Gene co-regulation and co-expression in the aryl hydrocarbon receptor-mediated transcriptional regulatory network in the mouse liver. <i>Archives of Toxicology</i> , 2020 , 94, 113-126	5.8	8
489	Hepatocyte-specific Nrf2 deficiency mitigates high-fat diet-induced hepatic steatosis: Involvement of reduced PPAR α expression. <i>Redox Biology</i> , 2020 , 30, 101412	11.3	24
488	A toxicogenomic approach for the risk assessment of the food contaminant acetamide. <i>Toxicology and Applied Pharmacology</i> , 2020 , 388, 114872	4.6	8
487	Toxicity testing in the 21st century: progress in the past decade and future perspectives. <i>Archives of Toxicology</i> , 2020 , 94, 1-58	5.8	96
486	The role of fit-for-purpose assays within tiered testing approaches: A case study evaluating prioritized estrogen-active compounds in an in vitro human uterotrophic assay. <i>Toxicology and Applied Pharmacology</i> , 2020 , 387, 114774	4.6	6
485	A Kinetic Analysis of DNA-Deoxy Guanine Adducts in the Nasal Epithelium Produced by Inhaled Formaldehyde in Rats-Assessing Contributions to Adduct Production From Both Endogenous and Exogenous Sources of Formaldehyde. <i>Toxicological Sciences</i> , 2020 , 177, 325-333	4.4	4
484	Identifying qualitative differences in PPAR β signaling networks in human and rat hepatocytes and their significance for next generation chemical risk assessment methods. <i>Toxicology in Vitro</i> , 2020 , 64, 104463	3.6	7

483	Application of a combined aggregate exposure pathway and adverse outcome pathway (AEP-AOP) approach to inform a cumulative risk assessment: A case study with phthalates. <i>Toxicology in Vitro</i> , 2020 , 66, 104855	3.6	7
482	Considerations for refining the risk assessment process for formaldehyde: Results from an interdisciplinary workshop. <i>Regulatory Toxicology and Pharmacology</i> , 2019 , 106, 210-223	3.4	11
481	Embracing Systems Toxicology at Single-Cell Resolution. <i>Current Opinion in Toxicology</i> , 2019 , 16, 49-57	4.4	10
480	Updating physiologically based pharmacokinetic models for manganese by incorporating rapid association/dissociation processes in tissues. <i>Toxicology and Applied Pharmacology</i> , 2019 , 372, 1-10	4.6	0
479	Developing context appropriate toxicity testing approaches using new alternative methods (NAMs). <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 523-534	4.3	11
478	Addressing systematic inconsistencies between in vitro and in vivo transcriptomic mode of action signatures. <i>Toxicology in Vitro</i> , 2019 , 58, 1-12	3.6	8
477	Incorporation of metabolism data and physiologically based pharmacokinetic modeling in a risk assessment for chloroprene. <i>Inhalation Toxicology</i> , 2019 , 31, 468-483	2.7	6
476	Assessing bioactivity-exposure profiles of fruit and vegetable extracts in the BioMAP profiling system. <i>Toxicology in Vitro</i> , 2019 , 54, 41-57	3.6	6
475	Evaluating opportunities for advancing the use of alternative methods in risk assessment through the development of fit-for-purpose in vitro assays. <i>Toxicology in Vitro</i> , 2018 , 48, 310-317	3.6	19
474	Based on an analysis of mode of action, styrene-induced mouse lung tumors are not a human cancer concern. <i>Regulatory Toxicology and Pharmacology</i> , 2018 , 95, 17-28	3.4	17
473	Enhancing and Extending Biological Performance and Resilience. <i>Dose-Response</i> , 2018 , 16, 155932581872450140	3.5	10
472	Physiologically-based pharmacokinetic modeling suggests similar bioavailability of Mn from diet and drinking water. <i>Toxicology and Applied Pharmacology</i> , 2018 , 359, 70-81	4.6	2
471	A Qualitative Modeling Approach for Whole Genome Prediction Using High-Throughput Toxicogenomics Data and Pathway-Based Validation. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1072	5.6	4
470	Strain-related differences in mouse lung gene expression over a two-year period of inhalation exposure to styrene: Relevance to human risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2018 , 96, 153-166	3.4	10
469	Application of transcriptomic data, visualization tools and bioinformatics resources for informing mode of action. <i>Current Opinion in Toxicology</i> , 2018 , 9, 21-27	4.4	6
468	Xenobiotic Metabolism in Alginate-Encapsulated Primary Human Hepatocytes Over Long Timeframes. <i>Applied in Vitro Toxicology</i> , 2018 , 4, 238-247	1.3	5
467	Adipocyte-specific deficiency of Nfe2l1 disrupts plasticity of white adipose tissues and metabolic homeostasis in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 264-270	3.4	20
466	A tissue dose-based comparative exposure assessment of manganese using physiologically based pharmacokinetic modeling-The importance of homeostatic control for an essential metal. <i>Toxicology and Applied Pharmacology</i> , 2017 , 322, 27-40	4.6	11

465	Refinement of the oral exposure description in the cyclic siloxane PBPK model for rats and humans: Implications for exposure assessment. <i>Toxicology Letters</i> , 2017 , 279 Suppl 1, 125-135	4.4	5
464	Quantitative bias analysis of a reported association between perfluoroalkyl substances (PFAS) and endometriosis: The influence of oral contraceptive use. <i>Environment International</i> , 2017 , 104, 118-121	12.9	9
463	Combining transcriptomics and PBPK modeling indicates a primary role of hypoxia and altered circadian signaling in dichloromethane carcinogenicity in mouse lung and liver. <i>Toxicology and Applied Pharmacology</i> , 2017 , 332, 149-158	4.6	15
462	Quantitative bias analysis for epidemiological associations of perfluoroalkyl substance serum concentrations and early onset of menopause. <i>Environment International</i> , 2017 , 99, 245-254	12.9	27
461	The application of PBPK models in estimating human brain tissue manganese concentrations. <i>NeuroToxicology</i> , 2017 , 58, 226-237	4.4	21
460	Risk science in the 21st century: a data-driven framework for incorporating new technologies into chemical safety assessment. <i>International Journal of Risk Assessment and Management</i> , 2017 , 20, 88	0.9	6
459	Assessing molecular initiating events (MIEs), key events (KEs) and modulating factors (MFs) for styrene responses in mouse lungs using whole genome gene expression profiling following 1-day and multi-week exposures. <i>Toxicology and Applied Pharmacology</i> , 2017 , 335, 28-40	4.6	22
458	Editor's Highlight: Complete Attenuation of Mouse Lung Cell Proliferation and Tumorigenicity in CYP2F2 Knockout and CYP2F1 Humanized Mice Exposed to Inhaled Styrene for up to 2 Years Supports a Lack of Human Relevance. <i>Toxicological Sciences</i> , 2017 , 159, 413-421	4.4	16
457	Multiple receptors shape the estrogen response pathway and are critical considerations for the future of in vitro-based risk assessment efforts. <i>Critical Reviews in Toxicology</i> , 2017 , 47, 564-580	5.7	15
456	Editor's Highlight: Screening ToxCast Prioritized Chemicals for PPAR γ Function in a Human Adipose-Derived Stem Cell Model of Adipogenesis. <i>Toxicological Sciences</i> , 2017 , 155, 85-100	4.4	24
455	Information-dependent enrichment analysis reveals time-dependent transcriptional regulation of the estrogen pathway of toxicity. <i>Archives of Toxicology</i> , 2017 , 91, 1749-1762	5.8	17
454	Severity scoring of manganese health effects for categorical regression. <i>NeuroToxicology</i> , 2017 , 58, 203-216	4.4	10
453	Research Career Overview: An Interview With Dr Melvin (Mel) E. Andersen, the 2016 Mildred J. Christian Award Winner. <i>International Journal of Toxicology</i> , 2017 , 36, 4-7	2.4	
452	Future directions in risk science. <i>International Journal of Risk Assessment and Management</i> , 2017 , 20, 240	0.9	3
451	Development of an in vitro high content imaging assay for quantitative assessment of CAR-dependent mouse, rat, and human primary hepatocyte proliferation. <i>Toxicology in Vitro</i> , 2016 , 36, 224-237	3.6	19
450	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. <i>Scientific Reports</i> , 2016 , 6, 28994	4.9	47
449	An overview of chemical inhibitors of the Nrf2-ARE signaling pathway and their potential applications in cancer therapy. <i>Free Radical Biology and Medicine</i> , 2016 , 99, 544-556	7.8	111
448	Pathway Based Toxicology and Fit-for-Purpose Assays. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 856, 205-230	3.6	7

447	Editor's Highlight: Development of an In vitro Assay Measuring Uterine-Specific Estrogenic Responses for Use in Chemical Safety Assessment. <i>Toxicological Sciences</i> , 2016 , 154, 162-173	4.4	7
446	PBPK-Based Probabilistic Risk Assessment for Total Chlorotriazines in Drinking Water. <i>Toxicological Sciences</i> , 2016 , 150, 269-82	4.4	9
445	PBPK Model for Atrazine and Its Chlorotriazine Metabolites in Rat and Human. <i>Toxicological Sciences</i> , 2016 , 150, 441-53	4.4	21
444	Contributions of DNA repair and damage response pathways to the non-linear genotoxic responses of alkylating agents. <i>Mutation Research - Reviews in Mutation Research</i> , 2016 , 767, 77-91	7	26
443	Co-culture of Hepatocytes and Kupffer Cells as an In Vitro Model of Inflammation and Drug-Induced Hepatotoxicity. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 950-964	3.9	58
442	Approaches for characterizing threshold dose-response relationships for DNA-damage pathways involved in carcinogenicity in vivo and micronuclei formation in vitro. <i>Mutagenesis</i> , 2016 , 31, 333-40	2.8	13
441	Suppression of NRF2-ARE activity sensitizes chemotherapeutic agent-induced cytotoxicity in human acute monocytic leukemia cells. <i>Toxicology and Applied Pharmacology</i> , 2016 , 292, 1-7	4.6	26
440	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016 , 124, 1671-1682	8.4	59
439	Fluid Dynamic Modeling to Support the Development of Flow-Based Hepatocyte Culture Systems for Metabolism Studies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016 , 4, 72	5.8	12
438	Nuclear Receptor-Mediated Gene Expression Changes in a Human Hepatic Micropatterned Coculture Model After Treatment with Hepatotoxic Compounds. <i>Applied in Vitro Toxicology</i> , 2016 , 2, 8-16	1.3	
437	Development of an integrated multi-species and multi-dose route PBPK model for volatile methyl siloxanes - D4 and D5. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 74 Suppl, S1-13	3.4	13
436	Pharmacokinetic bias analysis of the epidemiological associations between serum polybrominated diphenyl ether (BDE-47) and timing of menarche. <i>Environmental Research</i> , 2016 , 150, 541-548	7.9	11
435	Can the observed association between serum perfluoroalkyl substances and delayed menarche be explained on the basis of puberty-related changes in physiology and pharmacokinetics?. <i>Environment International</i> , 2015 , 82, 61-8	12.9	32
434	CNC-bZIP protein Nrf1-dependent regulation of glucose-stimulated insulin secretion. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 819-31	8.4	45
433	Adaptive Posttranslational Control in Cellular Stress Response Pathways and Its Relationship to Toxicity Testing and Safety Assessment. <i>Toxicological Sciences</i> , 2015 , 147, 302-16	4.4	46
432	Using gene expression profiling to evaluate cellular responses in mouse lungs exposed to V2O5 and a group of other mouse lung tumorigens and non-tumorigens. <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 339-47	3.4	11
431	Implementing Toxicity Testing in the 21st Century (TT21C): Making safety decisions using toxicity pathways, and progress in a prototype risk assessment. <i>Toxicology</i> , 2015 , 332, 102-11	4.4	100
430	Adverse Outcome Pathways can drive non-animal approaches for safety assessment. <i>Journal of Applied Toxicology</i> , 2015 , 35, 971-5	4.1	66

429	Differential Effects of Trovafloxacin on TNF- α and IL-6 Profiles in a Rat HepatocyteKupffer Cell Coculture System. <i>Applied in Vitro Toxicology</i> , 2015 , 1, 45-54	1.3	11
428	Associations of Perfluoroalkyl Substances (PFAS) with Lower Birth Weight: An Evaluation of Potential Confounding by Glomerular Filtration Rate Using a Physiologically Based Pharmacokinetic Model (PBPK). <i>Environmental Health Perspectives</i> , 2015 , 123, 1317-24	8.4	110
427	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted In Vitro Bioactivity to Inform Chemical Toxicity Testing. <i>Toxicological Sciences</i> , 2015 , 148, 121-36	4.4	148
426	Predicting cytotoxicity of complex mixtures in high cancer incidence regions of the Huai River Basin based on GC-MS spectrum with partial least squares regression. <i>Environmental Research</i> , 2015 , 137, 391-7	7.9	5
425	The human toxome project. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015 , 32, 112-24	4.3	43
424	The Human Toxome Collaboratorium: A Shared Environment for Multi-Omic Computational Collaboration within a Consortium. <i>Frontiers in Pharmacology</i> , 2015 , 6, 322	5.6	6
423	Dose-response modeling of etoposide-induced DNA damage response. <i>Toxicological Sciences</i> , 2014 , 137, 371-84	4.4	19
422	Effects of endogenous formaldehyde in nasal tissues on inhaled formaldehyde dosimetry predictions in the rat, monkey, and human nasal passages. <i>Toxicological Sciences</i> , 2014 , 138, 412-24	4.4	33
421	Iodoacetic acid activates Nrf2-mediated antioxidant response in vitro and in vivo. <i>Environmental Science & Technology</i> , 2014 , 48, 13478-88	10.3	33
420	A map of the PPAR α transcription regulatory network for primary human hepatocytes. <i>Chemico-Biological Interactions</i> , 2014 , 209, 14-24	5	79
419	Physiologically Based Pharmacokinetic and Toxicokinetic Models 2014 , 247-294		2
418	Prenatal PCB-153 Exposure and Decreased Birth Weight: Verner et al. Respond. <i>Environmental Health Perspectives</i> , 2014 , 122, A89-90	8.4	2
417	Profiling dose-dependent activation of p53-mediated signaling pathways by chemicals with distinct mechanisms of DNA damage. <i>Toxicological Sciences</i> , 2014 , 142, 56-73	4.4	38
416	Molecular signaling network motifs provide a mechanistic basis for cellular threshold responses. <i>Environmental Health Perspectives</i> , 2014 , 122, 1261-70	8.4	51
415	A framework for the next generation of risk science. <i>Environmental Health Perspectives</i> , 2014 , 122, 796-805	8.4	71
414	Chapter 13: Modeling Manganese Kinetics for Human Health Risk Assessment. <i>Issues in Toxicology</i> , 2014 , 322-354	0.3	
413	A hybrid CFD-PBPK model for naphthalene in rat and human with IVIVE for nasal tissue metabolism and cross-species dosimetry. <i>Inhalation Toxicology</i> , 2014 , 26, 333-44	2.7	25
412	Development of 3D dynamic flow model of human liver and its application to prediction of metabolic clearance of 7-ethoxycoumarin. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 641-51	2.9	13

411	Dose-response approaches for nuclear receptor-mediated modes of action for liver carcinogenicity: Results of a workshop. <i>Critical Reviews in Toxicology</i> , 2014 , 44, 50-63	5.7	16
410	Comprehensive assessment of exposure to identify health consequences of e-waste. <i>The Lancet Global Health</i> , 2014 , 2, e73	13.6	2
409	Lessons learned, challenges, and opportunities: the U.S. Endocrine Disruptor Screening Program. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 63-78	4.3	16
408	Pathways of Toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 53-61	4.3	59
407	Building shared experience to advance practical application of pathway-based toxicology: liver toxicity mode-of-action. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 500-19	4.3	11
406	Reactive Oxygen Species and Antioxidants in Pancreatic β Cell Function Yin and Yang 2014 , 3319-3337		2
405	Divergent effects of sulforaphane on basal and glucose-stimulated insulin secretion in β cells: role of reactive oxygen species and induction of endogenous antioxidants. <i>Pharmaceutical Research</i> , 2013 , 30, 2248-59	4.5	27
404	Keap1 silencing boosts lipopolysaccharide-induced transcription of interleukin 6 via activation of nuclear factor κ B in macrophages. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 697-702	4.6	7
403	Bioactivation and toxicity of acetaminophen in a rat hepatocyte micropatterned coculture system. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013 , 27, 471-8	3.4	8
402	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013 , 87, 1315-530	5.8	837
401	Deriving an explicit hepatic clearance equation accounting for plasma protein binding and hepatocellular uptake. <i>Toxicology in Vitro</i> , 2013 , 27, 11-5	3.6	9
400	In vitro intestinal and hepatic metabolism of Di(2-ethylhexyl) phthalate (DEHP) in human and rat. <i>Toxicology in Vitro</i> , 2013 , 27, 1451-7	3.6	33
399	A dose response study to assess effects after dietary administration of diisononyl phthalate (DINP) in gestation and lactation on male rat sexual development. <i>Reproductive Toxicology</i> , 2013 , 35, 70-80	3.4	24
398	All-or-none suppression of B cell terminal differentiation by environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2013 , 268, 17-26	4.6	14
397	Disposition of diisononyl phthalate and its effects on sexual development of the male fetus following repeated dosing in pregnant rats. <i>Reproductive Toxicology</i> , 2013 , 35, 56-69	3.4	23
396	Organic extract contaminants from drinking water activate Nrf2-mediated antioxidant response in a human cell line. <i>Environmental Science & Technology</i> , 2013 , 47, 4768-77	10.3	27
395	Assessing dose-dependent differences in DNA-damage, p53 response and genotoxicity for quercetin and curcumin. <i>Toxicology in Vitro</i> , 2013 , 27, 1877-87	3.6	26
394	Adipose deficiency of Nrf2 in ob/ob mice results in severe metabolic syndrome. <i>Diabetes</i> , 2013 , 62, 845-549		110

393	Combined exposure to 3-chloro-4-dichloromethyl-5-hydroxy-2(5H)-furanone and microcystin-LR increases genotoxicity in Chinese hamster ovary cells through oxidative stress. <i>Environmental Science & Technology</i> , 2013 , 47, 1678-87	10.3	4
392	Development of PBPK models for PFOA and PFOS for human pregnancy and lactation life stages. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013 , 76, 25-57	3.2	93
391	Water pollutant fingerprinting tracks recent industrial transfer from coastal to inland China: a case study. <i>Scientific Reports</i> , 2013 , 3, 1031	4.9	21
390	Isoniazid suppresses antioxidant response element activities and impairs adipogenesis in mouse and human preadipocytes. <i>Toxicology and Applied Pharmacology</i> , 2013 , 273, 435-41	4.6	28
389	Temporal concordance between apical and transcriptional points of departure for chemical risk assessment. <i>Toxicological Sciences</i> , 2013 , 134, 180-94	4.4	118
388	Inhalation dosimetry of hexamethylene diisocyanate vapor in the rat and human respiratory tracts. <i>Inhalation Toxicology</i> , 2013 , 25, 168-77	2.7	9
387	Is the relationship between prenatal exposure to PCB-153 and decreased birth weight attributable to pharmacokinetics?. <i>Environmental Health Perspectives</i> , 2013 , 121, 1219-24	8.4	39
386	Association between arsenic suppression of adipogenesis and induction of CHOP10 via the endoplasmic reticulum stress response. <i>Environmental Health Perspectives</i> , 2013 , 121, 237-43	8.4	49
385	Cross-species transcriptomic analysis of mouse and rat lung exposed to chloroprene. <i>Toxicological Sciences</i> , 2013 , 131, 629-40	4.4	25
384	Relative impact of incorporating pharmacokinetics on predicting in vivo hazard and mode of action from high-throughput in vitro toxicity assays. <i>Toxicological Sciences</i> , 2013 , 132, 327-46	4.4	92
383	Incorporating new technologies into toxicity testing and risk assessment: moving from 21st century vision to a data-driven framework. <i>Toxicological Sciences</i> , 2013 , 136, 4-18	4.4	195
382	Long-term stability of primary rat hepatocytes in micropatterned cocultures. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013 , 27, 204-12	3.4	50
381	Ultrasensitive response motifs: basic amplifiers in molecular signalling networks. <i>Open Biology</i> , 2013 , 3, 130031	7	116
380	Evidence-based toxicology for the 21st century: opportunities and challenges. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2013 , 30, 74-103	4.3	33
379	Comparison and evaluation of pharmacokinetics of PFOA and PFOS in the adult rat using a physiologically based pharmacokinetic model. <i>Reproductive Toxicology</i> , 2012 , 33, 452-467	3.4	50
378	Evaluation of placental and lactational pharmacokinetics of PFOA and PFOS in the pregnant, lactating, fetal and neonatal rat using a physiologically based pharmacokinetic model. <i>Reproductive Toxicology</i> , 2012 , 33, 468-490	3.4	47
377	In vitro to in vivo extrapolation and species response comparisons for drug-induced liver injury (DILI) using DILIsym [®] mechanistic, mathematical model of DILI. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2012 , 39, 527-41	2.7	83
376	Application of a multi-route physiologically based pharmacokinetic model for manganese to evaluate dose-dependent neurological effects in monkeys. <i>Toxicological Sciences</i> , 2012 , 129, 432-46	4.4	17

375	Pollution trees: identifying similarities among complex pollutant mixtures in water and correlating them to mutagenicity. <i>Environmental Science & Technology</i> , 2012 , 46, 7274-82	10.3	11
374	In vitro metabolism of di(2-ethylhexyl) phthalate (DEHP) by various tissues and cytochrome P450s of human and rat. <i>Toxicology in Vitro</i> , 2012 , 26, 315-22	3.6	61
373	An analysis of N-acetylcysteine treatment for acetaminophen overdose using a systems model of drug-induced liver injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 342, 529-40	4.7	60
372	Integrating pathway-based transcriptomic data into quantitative chemical risk assessment: a five chemical case study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 746, 135-43	3	75
371	Regulatory role of KEAP1 and NRF2 in PPAR α expression and chemoresistance in human non-small-cell lung carcinoma cells. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 758-68	7.8	48
370	Quantitative in vitro to in vivo extrapolation of cell-based toxicity assay results. <i>Critical Reviews in Toxicology</i> , 2012 , 42, 633-52	5.7	164
369	Physiologically based pharmacokinetic/toxicokinetic modeling. <i>Methods in Molecular Biology</i> , 2012 , 929, 439-99	1.4	23
368	Deficiency in the nuclear factor E2-related factor 2 renders pancreatic β cells vulnerable to arsenic-induced cell damage. <i>Toxicology and Applied Pharmacology</i> , 2012 , 264, 315-23	4.6	50
367	Update on a Pharmacokinetic-Centric Alternative Tier II Program for MMT-Part II: Physiologically Based Pharmacokinetic Modeling and Manganese Risk Assessment. <i>Journal of Toxicology</i> , 2012 , 2012, 791431	3.1	14
366	Update on a Pharmacokinetic-Centric Alternative Tier II Program for MMT-Part I: Program Implementation and Lessons Learned. <i>Journal of Toxicology</i> , 2012 , 2012, 946742	3.1	8
365	Organotypic liver culture models: meeting current challenges in toxicity testing. <i>Critical Reviews in Toxicology</i> , 2012 , 42, 501-48	5.7	252
364	Nuclear factor erythroid-derived factor 2-related factor 2 regulates transcription of CCAAT/enhancer-binding protein β during adipogenesis. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 462-72	7.8	94
363	Response to Incorporating Biological, Chemical, and Toxicological Knowledge Into Predictive Models of Toxicity <i>Toxicological Sciences</i> , 2012 , 130, 442-443	4.4	7
362	Cross-regulations among NRFs and KEAP1 and effects of their silencing on arsenic-induced antioxidant response and cytotoxicity in human keratinocytes. <i>Environmental Health Perspectives</i> , 2012 , 120, 583-9	8.4	50
361	A comprehensive statistical analysis of predicting in vivo hazard using high-throughput in vitro screening. <i>Toxicological Sciences</i> , 2012 , 128, 398-417	4.4	119
360	Modeling drug- and chemical-induced hepatotoxicity with systems biology approaches. <i>Frontiers in Physiology</i> , 2012 , 3, 462	4.6	48
359	Response to "Accurate Risk-Based Chemical Screening * Relies on Robust Exposure Estimates". <i>Toxicological Sciences</i> , 2012 , 128, 297-299	4.4	
358	Integration of dosimetry, exposure, and high-throughput screening data in chemical toxicity assessment. <i>Toxicological Sciences</i> , 2012 , 125, 157-74	4.4	280

357	Role of Core Biological Motifs in DoseResponse Modeling: An Example with Switchlike Circuits 2011 , 147-173		
356	New directions in toxicity testing. <i>Annual Review of Public Health</i> , 2011 , 32, 161-78	20.6	80
355	Prolonged inorganic arsenite exposure suppresses insulin-stimulated AKT S473 phosphorylation and glucose uptake in 3T3-L1 adipocytes: involvement of the adaptive antioxidant response. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 407, 360-5	3.4	71
354	Evaluating pharmacokinetic and pharmacodynamic interactions with computational models in supporting cumulative risk assessment. <i>International Journal of Environmental Research and Public Health</i> , 2011 , 8, 1613-30	4.6	27
353	Evaluation and prediction of pharmacokinetics of PFOA and PFOS in the monkey and human using a PBPK model. <i>Regulatory Toxicology and Pharmacology</i> , 2011 , 59, 157-75	3.4	80
352	A deterministic map of Waddington's epigenetic landscape for cell fate specification. <i>BMC Systems Biology</i> , 2011 , 5, 85	3.5	84
351	Defining and modeling known adverse outcome pathways: Domoic acid and neuronal signaling as a case study. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 9-21	3.8	52
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