Ivan Rusyn

List of Publications by Year in Descending Order

251 papers	18,295 citations	60 h-index	131 g-index
267 ext. papers	22,485 ext. citations	6 avg, IF	6.31 L-index

#	Paper	IF	Citations
251	Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: An update of a systematic literature review. *Mutation Research - Reviews in Mutation Research*, **2022**, 789, 108408	7	2
250	Characterization of Compositional Variability in Petroleum Substances.. *Fuel*, **2022**, 317, 123547-123547	7.1	0
249	A tiered approach to population-based in vitro testing for cardiotoxicity: Balancing estimates of potency and variability.. *Journal of Pharmacological and Toxicological Methods*, **2022**, 114, 107154	1.7	1
248	Molecular mechanisms of environmental toxin cadmium at the feto-maternal interface investigated using an organ-on-chip (FMi-OOC) model. *Journal of Hazardous Materials*, **2022**, 422, 126759	12.8	4
247	Analysis of per- and polyfluoroalkyl substances in Houston Ship Channel and Galveston Bay following a large-scale industrial fire using ion-mobility-spectrometry-mass spectrometry.. *Journal of Environmental Sciences*, **2022**, 115, 350-362	6.4	3
246	Non-Alcoholic fatty liver disease-associated DNA methylation and gene expression alterations in the livers of Collaborative Cross mice fed an obesogenic high-fat and high-sucrose diet.. *Epigenetics*, **2022**, 1-15	5.7	0
245	Characterization of population variability of 1,3-butadiene derived protein adducts in humans and mice.. *Regulatory Toxicology and Pharmacology*, **2022**, 105171	3.4	
244	Model systems and organisms for addressing inter- and intra-species variability in risk assessment. *Regulatory Toxicology and Pharmacology*, **2022**, 132, 105197	3.4	1
243	Grouping of UVCB substances with new approach methodologies (NAMs) data. *ALTEX: Alternatives To Animal Experimentation*, **2021**, 38, 123-137	4.3	3
242	Intra- and Inter-Species Variability in Urinary N7-(1-Hydroxy-3-buten-2-yl)guanine Adducts Following Inhalation Exposure to 1,3-Butadiene. *Chemical Research in Toxicology*, **2021**, 34, 2375-2383	4	3
241	Emerging technologies and their impact on regulatory science. *Experimental Biology and Medicine*, **2021**, 15353702211052280	3.7	3
240	Utilizing ion mobility spectrometry-mass spectrometry for the characterization and detection of persistent organic pollutants and their metabolites. *Analytical and Bioanalytical Chemistry*, **2021**, 1	4.4	1
239	Quantitative NanoLC/NSI-HRMS Method for 1,3-Butadiene Induced -N7-guanine DNA-DNA Cross-Links in Urine. *Toxics*, **2021**, 9,	4.7	1
238	Risk Characterization of Environmental Samples Using In Vitro Bioactivity and Polycyclic Aromatic Hydrocarbon Concentrations Data. *Toxicological Sciences*, **2021**, 179, 108-120	4.4	5
237	Relationships between constituents of energy drinks and beating parameters in human induced pluripotent stem cell (iPSC)-Derived cardiomyocytes. *Food and Chemical Toxicology*, **2021**, 149, 111979	4.7	2
236	Human induced pluripotent stem cell (iPSC)-derived cardiomyocytes as an in vitro model in toxicology: strengths and weaknesses for hazard identification and risk characterization. *Expert Opinion on Drug Metabolism and Toxicology*, **2021**, 17, 887-902	5.5	6
235	Testing the efficacy of broad-acting sorbents for environmental mixtures using isothermal analysis, mammalian cells, and H. vulgaris. *Journal of Hazardous Materials*, **2021**, 408, 124425	12.8	4

234	Environmental impacts of Hurricane Florence flooding in eastern North Carolina: temporal analysis of contaminant distribution and potential human health risks. *Journal of Exposure Science and Environmental Epidemiology*, **2021**, 31, 810-822	6.7	4
233	Curated Data In - Trustworthy Models Out: The Impact of Data Quality on the Reliability of Artificial Intelligence Models as Alternatives to Animal Testing. *ATLA Alternatives To Laboratory Animals*, **2021**, 49, 73-82	2.1	6
232	Quantitative Characterization of Population-Wide Tissue- and Metabolite-Specific Variability in Perchloroethylene Toxicokinetics in Male Mice. *Toxicological Sciences*, **2021**, 182, 168-182	4.4	3
231	Spatial and temporal distribution of surface water contaminants in the Houston Ship Channel after the Intercontinental Terminal Company Fire. *Journal of Exposure Science and Environmental Epidemiology*, **2021**, 31, 887-899	6.7	1
230	Quantitative In Vitro-to-In Vivo Extrapolation for Mixtures: A Case Study of Superfund Priority List Pesticides. *Toxicological Sciences*, **2021**, 183, 60-69	4.4	2
229	Data Processing Workflow to Identify Structurally Related Compounds in Petroleum Substances Using Ion Mobility Spectrometry-Mass Spectrometry. *Energy & Fuels*, **2021**, 35, 10529-10539	4.1	1
228	Analysis of reproducibility and robustness of a human microfluidic four-cell liver acinus microphysiology system (LAMPS). *Toxicology*, **2021**, 448, 152651	4.4	9
227	A Comparative Analysis of Analytical Techniques for Rapid Oil Spill Identification. *Environmental Toxicology and Chemistry*, **2021**, 40, 1034-1049	3.8	5
226	The COVID-19 Pandemic Vulnerability Index (PVI) Dashboard: Monitoring County-Level Vulnerability Using Visualization, Statistical Modeling, and Machine Learning. *Environmental Health Perspectives*, **2021**, 129, 17701	8.4	27
225	Risk Characterization and Probabilistic Concentration-Response Modeling of Complex Environmental Mixtures Using New Approach Methodologies (NAMs) Data from Organotypic Human Stem Cell Assays. *Environmental Health Perspectives*, **2021**, 129, 17004	8.4	10
224	Key Characteristics of Human Hepatotoxicants as a Basis for Identification and Characterization of the Causes of Liver Toxicity. *Hepatology*, **2021**, 74, 3486-3496	11.2	8
223	The DEN and CCl -Induced Mouse Model of Fibrosis and Inflammation-Associated Hepatocellular Carcinoma. *Current Protocols*, **2021**, 1, e211		1
222	Cardiotoxicity Hazard and Risk Characterization of ToxCast Chemicals Using Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes from Multiple Donors. *Chemical Research in Toxicology*, **2021**, 34, 2110-2124	4	1
221	Heart Muscle Microphysiological System for Cardiac Liability Prediction of Repurposed COVID-19 Therapeutics. *Frontiers in Pharmacology*, **2021**, 12, 684252	5.6	3
220	A new approach method for characterizing inter-species toxicodynamic variability. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2021**, 84, 1020-1039	3.2	1
219	Prediction of hepatic drug clearance with a human microfluidic four-cell liver acinus microphysiology system. *Toxicology*, **2021**, 463, 152954	4.4	1
218	Temporal and spatial analysis of per and polyfluoroalkyl substances in surface waters of Houston ship channel following a large-scale industrial fire incident. *Environmental Pollution*, **2020**, 265, 115009	9.3	11
217	Questioning Existing Cancer Hazard Evaluation Standards in the Name of Statistics. *Toxicological Sciences*, **2020**, 177, 521-522	4.4	2

216	In Vitro Bioavailability of the Hydrocarbon Fractions of Dimethyl Sulfoxide Extracts of Petroleum Substances. *Toxicological Sciences*, **2020**, 174, 168-177	4.4	6
215	Tissue-Engineered Bone Tumor as a Reproducible Human in Vitro Model for Studies of Anticancer Drugs. *Toxicological Sciences*, **2020**, 173, 65-76	4.4	5
214	Epithelial splicing regulatory protein 2-mediated alternative splicing reprograms hepatocytes in severe alcoholic hepatitis. *Journal of Clinical Investigation*, **2020**, 130, 2129-2145	15.9	19
213	Integrative QTL analysis of gene expression and chromatin accessibility identifies multi-tissue patterns of genetic regulation. *PLoS Genetics*, **2020**, 16, e1008537	6	12
212	Biology-inspired microphysiological systems to advance patient benefit and animal welfare in drug development. *ALTEX: Alternatives To Animal Experimentation*, **2020**, 37, 365-394	4.3	66
211	Rapid hazard characterization of environmental chemicals using a compendium of human cell lines from different organs. *ALTEX: Alternatives To Animal Experimentation*, **2020**, 37, 623-638	4.3	12
210	PBPK modeling of impact of nonalcoholic fatty liver disease on toxicokinetics of perchloroethylene in mice. *Toxicology and Applied Pharmacology*, **2020**, 400, 115069	4.6	4
209	The COVID-19 Pandemic Vulnerability Index (PVI) Dashboard: Monitoring county-level vulnerability using visualization, statistical modeling, and machine learning **2020**,		3
208	A Novel Mouse Model of Acute-on-Chronic Cholestatic Alcoholic Liver Disease: A Systems Biology Comparison With Human Alcoholic Hepatitis. *Alcoholism: Clinical and Experimental Research*, **2020**, 44, 87-101	3.7	1
207	An integrative method for identification and prioritization of constituents of concern in produced water from onshore oil and gas extraction. *Environment International*, **2020**, 134, 105280	12.9	26
206	Predicting tubular reabsorption with a human kidney proximal tubule tissue-on-a-chip and physiologically-based modeling. *Toxicology in Vitro*, **2020**, 63, 104752	3.6	15
205	Human in vitro vascularized micro-organ and micro-tumor models are reproducible organ-on-a-chip platforms for studies of anticancer drugs. *Toxicology*, **2020**, 445, 152601	4.4	10
204	Rapid Characterization of Emerging Per- and Polyfluoroalkyl Substances in Aqueous Film-Forming Foams Using Ion Mobility Spectrometry-Mass Spectrometry. *Environmental Science & Technology*, **2020**, 54, 15024-15034	10.3	11
203	Cardiovascular Effects of Polychlorinated Biphenyls and Their Major Metabolites. *Environmental Health Perspectives*, **2020**, 128, 77008	8.4	15
202	A Bayesian Method for Population-wide Cardiotoxicity Hazard and Risk Characterization Using an In Vitro Human Model. *Toxicological Sciences*, **2020**, 178, 391-403	4.4	7
201	Hepatic lipocalin 2 promotes liver fibrosis and portal hypertension. *Scientific Reports*, **2020**, 10, 15558	4.9	5
200	Butyrate-containing structured lipids inhibit RAC1 and epithelial-to-mesenchymal transition markers: a chemopreventive mechanism against hepatocarcinogenesis. *Journal of Nutritional Biochemistry*, **2020**, 86, 108496	6.3	4
199	Characterization of the variability in the extent of nonalcoholic fatty liver induced by a high-fat diet in the genetically diverse Collaborative Cross mouse model. *FASEB Journal*, **2020**, 34, 7773-7785	0.9	7

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198	Integrative QTL analysis of gene expression and chromatin accessibility identifies multi-tissue patterns of genetic regulation **2020**, 16, e1008537		
197	Integrative QTL analysis of gene expression and chromatin accessibility identifies multi-tissue patterns of genetic regulation **2020**, 16, e1008537		
196	Integrative QTL analysis of gene expression and chromatin accessibility identifies multi-tissue patterns of genetic regulation **2020**, 16, e1008537		
195	Integrative QTL analysis of gene expression and chromatin accessibility identifies multi-tissue patterns of genetic regulation **2020**, 16, e1008537		
194	Multi-dimensional in vitro bioactivity profiling for grouping of glycol ethers. *Regulatory Toxicology and Pharmacology*, **2019**, 101, 91-102	3.4	6
193	Comparative analysis of Rapid Equilibrium Dialysis (RED) and solid phase micro-extraction (SPME) methods for In Vitro-In Vivo extrapolation of environmental chemicals. *Toxicology in Vitro*, **2019**, 60, 245-251	3.6	10
192	Gene Expression and DNA Methylation Alterations in the Glycine N-Methyltransferase Gene in Diet-Induced Nonalcoholic Fatty Liver Disease-Associated Carcinogenesis. *Toxicological Sciences*, **2019**, 170, 273-282	4.4	20
191	Population-Based Analysis of DNA Damage and Epigenetic Effects of 1,3-Butadiene in the Mouse. *Chemical Research in Toxicology*, **2019**, 32, 887-898	4	9
190	Long-Term Combinatorial Exposure to Trichloroethylene and Inorganic Arsenic in Genetically Heterogeneous Mice Results in Renal Tubular Damage and Cancer-Associated Molecular Changes. *G3: Genes, Genomes, Genetics*, **2019**, 9, 1729-1737	3.2	3
189	Population-based toxicity screening in human induced pluripotent stem cell-derived cardiomyocytes. *Toxicology and Applied Pharmacology*, **2019**, 381, 114711	4.6	25
188	Defective HNF4alpha-dependent gene expression as a driver of hepatocellular failure in alcoholic hepatitis. *Nature Communications*, **2019**, 10, 3126	17.4	46
187	Using Collaborative Cross Mouse Population to Fill Data Gaps in Risk Assessment: A Case Study of Population-Based Analysis of Toxicokinetics and Kidney Toxicodynamics of Tetrachloroethylene. *Environmental Health Perspectives*, **2019**, 127, 67011	8.4	8
186	Grouping of complex substances using analytical chemistry data: A framework for quantitative evaluation and visualization. *PLoS ONE*, **2019**, 14, e0223517	3.7	12
185	Baseline data for distribution of contaminants by natural disasters: results from a residential Houston neighborhood during Hurricane Harvey flooding. *Heliyon*, **2019**, 5, e02860	3.6	13
184	Modulation of Tetrachloroethylene-Associated Kidney Effects by Nonalcoholic Fatty Liver or Steatohepatitis in Male C57BL/6J Mice. *Toxicological Sciences*, **2019**, 167, 126-137	4.4	5
183	Sex-specific differences in genotoxic and epigenetic effects of 1,3-butadiene among mouse tissues. *Archives of Toxicology*, **2019**, 93, 791-800	5.8	9
182	Thorough QT/QTc in a Dish: An In Vitro Human Model That Accurately Predicts Clinical Concentration-QTc Relationships. *Clinical Pharmacology and Therapeutics*, **2019**, 105, 1175-1186	6.1	16
181	Histopathological and Molecular Signatures of a Mouse Model of Acute-on-Chronic Alcoholic Liver Injury Demonstrate Concordance With Human Alcoholic Hepatitis. *Toxicological Sciences*, **2019**, 170, 427-437	4.4	7

162	Technology Transfer of the Microphysiological Systems: A Case Study of the Human Proximal Tubule Tissue Chip. *Scientific Reports*, **2018**, 8, 14882	4.9	40
161	Conditional Toxicity Value (CTV) Predictor: An Approach for Generating Quantitative Risk Estimates for Chemicals. *Environmental Health Perspectives*, **2018**, 126, 057008	8.4	30
160	Chemistry-Wide Association Studies (CWAS): A Novel Framework for Identifying and Interpreting Structure-Activity Relationships. *Journal of Chemical Information and Modeling*, **2018**, 58, 2203-2213	6.1	4
159	Re: Application of the key characteristics of carcinogens in cancer hazard evaluation—response to Goodman, Lynch and Rhomberg. *Carcinogenesis*, **2018**, 39, 1091-1093	4.6	3
158	The Impact of Novel Assessment Methodologies in Toxicology on Green Chemistry and Chemical Alternatives. *Toxicological Sciences*, **2018**, 161, 276-284	4.4	9
157	An empirical Bayes approach for multiple tissue eQTL analysis. *Biostatistics*, **2018**, 19, 391-406	3.7	23
156	Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 361, 17-28	4.7	17
155	In vitro cardiotoxicity assessment of environmental chemicals using an organotypic human induced pluripotent stem cell-derived model. *Toxicology and Applied Pharmacology*, **2017**, 322, 60-74	4.6	45
154	Grouping of Petroleum Substances as Example UVCBs by Ion Mobility-Mass Spectrometry to Enable Chemical Composition-Based Read-Across. *Environmental Science & Technology*, **2017**, 51, 7197-7207	10.3	16
153	Nonalcoholic Fatty Liver Disease Is a Susceptibility Factor for Perchloroethylene-Induced Liver Effects in Mice. *Toxicological Sciences*, **2017**, 159, 102-113	4.4	12
152	Editor's Highlight: Collaborative Cross Mouse Population Enables Refinements to Characterization of the Variability in Toxicokinetics of Trichloroethylene and Provides Genetic Evidence for the Role of PPAR Pathway in Its Oxidative Metabolism. *Toxicological Sciences*, **2017**, 158, 48-62	4.4	27
151	miR-1247 blocks SOX9-mediated regeneration in alcohol- and fibrosis-associated acute kidney injury in mice. *Toxicology*, **2017**, 384, 40-49	4.4	10
150	Genetic and epigenetic determinants of inter-individual variability in responses to toxicants. *Current Opinion in Toxicology*, **2017**, 6, 50-59	4.4	9
149	Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population. *Environmental Health Perspectives*, **2017**, 125, 057006	8.4	30
148	Variation in DNA-Damage Responses to an Inhalational Carcinogen (1,3-Butadiene) in Relation to Strain-Specific Differences in Chromatin Accessibility and Gene Transcription Profiles in C57BL/6J and CAST/EiJ Mice. *Environmental Health Perspectives*, **2017**, 125, 107006	8.4	17
147	Editor's Highlight: Comparative Dose-Response Analysis of Liver and Kidney Transcriptomic Effects of Trichloroethylene and Tetrachloroethylene in B6C3F1 Mouse. *Toxicological Sciences*, **2017**, 160, 95-110	4.4	16
146	High-Content Assay Multiplexing for Vascular Toxicity Screening in Induced Pluripotent Stem Cell-Derived Endothelial Cells and Human Umbilical Vein Endothelial Cells. *Assay and Drug Development Technologies*, **2017**, 15, 267-279	2.1	18
145	Simultaneous detection of the tetrachloroethylene metabolites S-(1,2,2-trichlorovinyl) glutathione, S-(1,2,2-trichlorovinyl)-L-cysteine, and N-acetyl-S-(1,2,2-trichlorovinyl)-L-cysteine in multiple mouse tissues via ultra-high performance liquid chromatography electrospray ionization tandem mass spectrometry. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2017**, 80, 513-524	3.2	14

144	Editorial overview of the special issue on genomic toxicology epigenetics. *Current Opinion in Toxicology*, **2017**, 6, i-iii	4.4	1
143	A Pipeline for High-Throughput Concentration Response Modeling of Gene Expression for Toxicogenomics. *Frontiers in Genetics*, **2017**, 8, 168	4.5	25
142	A tiered, Bayesian approach to estimating of population variability for regulatory decision-making. *ALTEX: Alternatives To Animal Experimentation*, **2017**, 34, 377-388	4.3	27
141	MicroRNA deregulation in nonalcoholic steatohepatitis-associated liver carcinogenesis. *Oncotarget*, **2017**, 8, 88517-88528	3.3	36
140	A mouse model of alcoholic liver fibrosis-associated acute kidney injury identifies key molecular pathways. *Toxicology and Applied Pharmacology*, **2016**, 310, 129-139	4.6	13
139	Target Organ Metabolism, Toxicity, and Mechanisms of Trichloroethylene and Perchloroethylene: Key Similarities, Differences, and Data Gaps. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 359, 110-23	4.7	46
138	Development of an Ion Mobility Spectrometry-Orbitrap Mass Spectrometer Platform. *Analytical Chemistry*, **2016**, 88, 12152-12160	7.8	40
137	Assessment of biological responses of EpiAirway 3-D cell constructs versus A549 cells for determining toxicity of ambient air pollution. *Inhalation Toxicology*, **2016**, 28, 251-9	2.7	34
136	The role of microRNAs in the development and progression of chemical-associated cancers. *Toxicology and Applied Pharmacology*, **2016**, 312, 3-10	4.6	16
135	Environmental exposures due to natural disasters. *Reviews on Environmental Health*, **2016**, 31, 89-92	3.8	17
134	Cheminformatics-aided pharmacovigilance: application to Stevens-Johnson Syndrome. *Journal of the American Medical Informatics Association: JAMIA*, **2016**, 23, 968-78	8.6	11
133	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. *Environmental Health Perspectives*, **2016**, 124, 713-21	8.4	290
132	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. *Environmental Health Perspectives*, **2016**, 124, 1671-1682	8.4	59
131	Differentially expressed MicroRNAs provide mechanistic insight into fibrosis-associated liver carcinogenesis in mice. *Molecular Carcinogenesis*, **2016**, 55, 808-17	5	11
130	Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: A systematic literature review. *Mutation Research - Reviews in Mutation Research*, **2016**, 768, 27-45	7	111
129	Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). *Journal of Epidemiology and Community Health*, **2016**, 70, 741-5	5.1	104
128	A chemical-biological similarity-based grouping of complex substances as a prototype approach for evaluating chemical alternatives. *Green Chemistry*, **2016**, 18, 4407-4419	10	50
127	Characterization of copy number alterations in a mouse model of fibrosis-associated hepatocellular carcinoma reveals concordance with human disease. *Cancer Medicine*, **2016**, 5, 574-85	4.8	5

126	IARC monographs: 40 years of evaluating carcinogenic hazards to humans. *Environmental Health Perspectives*, **2015**, 123, 507-14	8.4	57
125	Comparative analysis of the relationship between trichloroethylene metabolism and tissue-specific toxicity among inbred mouse strains: liver effects. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2015**, 78, 15-31	3.2	23
124	Population-based in vitro hazard and concentration-response assessment of chemicals: the 1000 genomes high-throughput screening study. *Environmental Health Perspectives*, **2015**, 123, 458-66	8.4	64
123	Human genomics. The Genotype-Tissue Expression (GTEx) pilot analysis: multitissue gene regulation in humans. *Science*, **2015**, 348, 648-60	33.3	3242
122	Human genomics. Effect of predicted protein-truncating genetic variants on the human transcriptome. *Science*, **2015**, 348, 666-9	33.3	170
121	In vitro screening for population variability in toxicity of pesticide-containing mixtures. *Environment International*, **2015**, 85, 147-55	12.9	22
120	High-Content Assay Multiplexing for Toxicity Screening in Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Hepatocytes. *Assay and Drug Development Technologies*, **2015**, 13, 529-46	2.1	86
119	The Contribution of Peroxisome Proliferator-Activated Receptor Alpha to the Relationship Between Toxicokinetics and Toxicodynamics of Trichloroethylene. *Toxicological Sciences*, **2015**, 147, 339-49	4.4	9
118	Chemical Safety Assessment Using Read-Across: Assessing the Use of Novel Testing Methods to Strengthen the Evidence Base for Decision Making. *Environmental Health Perspectives*, **2015**, 123, 1232-40	8.4	66
117	Prediction of human population responses to toxic compounds by a collaborative competition. *Nature Biotechnology*, **2015**, 33, 933-40	44.5	70
116	Comparative analysis of the relationship between trichloroethylene metabolism and tissue-specific toxicity among inbred mouse strains: kidney effects. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2015**, 78, 32-49	3.2	18
115	From "weight of evidence" to quantitative data integration using multicriteria decision analysis and Bayesian methods. *ALTEX: Alternatives To Animal Experimentation*, **2015**, 32, 3-8	4.3	38
114	High-content assays for hepatotoxicity using induced pluripotent stem cell-derived cells. *Assay and Drug Development Technologies*, **2014**, 12, 43-54	2.1	92
113	Prediction of binding affinity and efficacy of thyroid hormone receptor ligands using QSAR and structure-based modeling methods. *Toxicology and Applied Pharmacology*, **2014**, 280, 177-89	4.6	23
112	Genetic and epigenetic changes in fibrosis-associated hepatocarcinogenesis in mice. *International Journal of Cancer*, **2014**, 134, 2778-88	7.5	30
111	Mechanisms of HCV-induced liver cancer: what did we learn from in vitro and animal studies?. *Cancer Letters*, **2014**, 345, 210-5	9.9	39
110	Trichloroethylene: Mechanistic, epidemiologic and other supporting evidence of carcinogenic hazard. *Pharmacology & Therapeutics*, **2014**, 141, 55-68	13.9	70
109	Role of epigenetic aberrations in the development and progression of human hepatocellular carcinoma. *Cancer Letters*, **2014**, 342, 223-30	9.9	139

108	Physiologically based pharmacokinetic (PBPK) modeling of interstrain variability in trichloroethylene metabolism in the mouse. *Environmental Health Perspectives*, **2014**, 122, 456-63	8.4	34
107	High-content high-throughput assays for characterizing the viability and morphology of human iPSC-derived neuronal cultures. *Assay and Drug Development Technologies*, **2014**, 12, 536-47	2.1	46
106	Standardizing benchmark dose calculations to improve science-based decisions in human health assessments. *Environmental Health Perspectives*, **2014**, 122, 499-505	8.4	69
105	Epigenetic events determine tissue-specific toxicity of inhalational exposure to the genotoxic chemical 1,3-butadiene in male C57BL/6J mice. *Toxicological Sciences*, **2014**, 142, 375-84	4.4	23
104	The DEN and CCl4 -Induced Mouse Model of Fibrosis and Inflammation-Associated Hepatocellular Carcinoma. *Current Protocols in Pharmacology*, **2014**, 66, 14.30.1-10	4.1	69
103	Trichloroethylene biotransformation and its role in mutagenicity, carcinogenicity and target organ toxicity. *Mutation Research - Reviews in Mutation Research*, **2014**, 762, 22-36	7	66
102	Co-regulation of primary mouse hepatocyte viability and function by oxygen and matrix. *Biotechnology and Bioengineering*, **2014**, 111, 1018-27	4.9	15
101	Integrative approaches for predicting in vivo effects of chemicals from their structural descriptors and the results of short-term biological assays. *Current Topics in Medicinal Chemistry*, **2014**, 14, 1356-64	3	14
100	Strain-dependent dysregulation of one-carbon metabolism in male mice is associated with choline- and folate-deficient diet-induced liver injury. *FASEB Journal*, **2013**, 27, 2233-43	0.9	23
99	Identification of putative estrogen receptor-mediated endocrine disrupting chemicals using QSAR- and structure-based virtual screening approaches. *Toxicology and Applied Pharmacology*, **2013**, 272, 67-76	4.6	65
98	Effects of polymorphisms in alcohol metabolism and oxidative stress genes on survival from head and neck cancer. *Cancer Epidemiology*, **2013**, 37, 479-91	2.8	11
97	Molecular mechanisms of fibrosis-associated promotion of liver carcinogenesis. *Toxicological Sciences*, **2013**, 132, 53-63	4.4	66
96	Assessment of beating parameters in human induced pluripotent stem cells enables quantitative in vitro screening for cardiotoxicity. *Toxicology and Applied Pharmacology*, **2013**, 273, 500-7	4.6	93
95	Alcohol and toxicity. *Journal of Hepatology*, **2013**, 59, 387-8	13.4	43
94	A systematic approach for identifying and presenting mechanistic evidence in human health assessments. *Regulatory Toxicology and Pharmacology*, **2013**, 67, 266-77	3.4	12
93	Integrative chemical-biological read-across approach for chemical hazard classification. *Chemical Research in Toxicology*, **2013**, 26, 1199-208	4	83
92	Reply to: "The autophagic response to alcohol toxicity: the missing layer". *Journal of Hepatology*, **2013**, 59, 399-400	13.4	2
91	Environmental toxicants, epigenetics, and cancer. *Advances in Experimental Medicine and Biology*, **2013**, 754, 215-32	3.6	87

90	Acetaminophen-induced acute liver injury in HCV transgenic mice. *Toxicology and Applied Pharmacology*, **2013**, 266, 224-32	4.6	8
89	models for liver toxicity testing. *Toxicology Research*, **2013**, 2, 23-39	2.6	304
88	Addressing human variability in next-generation human health risk assessments of environmental chemicals. *Environmental Health Perspectives*, **2013**, 121, 23-31	8.4	87
87	ToxPi GUI: an interactive visualization tool for transparent integration of data from diverse sources of evidence. *Bioinformatics*, **2013**, 29, 402-3	7.2	60
86	The Genotype-Tissue Expression (GTEx) project. *Nature Genetics*, **2013**, 45, 580-5	36.3	4179
85	Multiparameter in vitro assessment of compound effects on cardiomyocyte physiology using iPSC cells. *Journal of Biomolecular Screening*, **2013**, 18, 39-53		106
84	Mechanistic considerations for human relevance of cancer hazard of di(2-ethylhexyl) phthalate. *Mutation Research - Reviews in Mutation Research*, **2012**, 750, 141-158	7	86
83	Plasma microRNAs are sensitive indicators of inter-strain differences in the severity of liver injury induced in mice by a choline- and folate-deficient diet. *Toxicology and Applied Pharmacology*, **2012**, 262, 52-9	4.6	89
82	Increased incidence of aflatoxin B1-induced liver tumors in hepatitis virus C transgenic mice. *International Journal of Cancer*, **2012**, 130, 1347-56	7.5	27
81	Predictive modeling of chemical hazard by integrating numerical descriptors of chemical structures and short-term toxicity assay data. *Toxicological Sciences*, **2012**, 127, 1-9	4.4	57
80	Computational tools for discovery and interpretation of expression quantitative trait loci. *Pharmacogenomics*, **2012**, 13, 343-52	2.6	15
79	Interstrain differences in liver injury and one-carbon metabolism in alcohol-fed mice. *Hepatology*, **2012**, 56, 130-9	11.2	45
78	Conducting environmental health research in the Arabian Middle East: lessons learned and opportunities. *Environmental Health Perspectives*, **2012**, 120, 632-6	8.4	8
77	Indoor air pollutants and health in the United Arab Emirates. *Environmental Health Perspectives*, **2012**, 120, 687-94	8.4	68
76	Interstrain differences in the severity of liver injury induced by a choline- and folate-deficient diet in mice are associated with dysregulation of genes involved in lipid metabolism. *FASEB Journal*, **2012**, 26, 4592-602	0.9	39
75	Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model. *Toxicological Sciences*, **2012**, 126, 578-88	4.4	35
74	Predicting drug-induced hepatotoxicity using QSAR and toxicogenomics approaches. *Chemical Research in Toxicology*, **2011**, 24, 1251-62	4	156
73	Chronic administration of ethanol leads to an increased incidence of hepatocellular adenoma by promoting H-ras-mutated cells. *Cancer Letters*, **2011**, 301, 161-7	9.9	7

#	Reference	IF	Cites
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