

Ivan Rusyn

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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.

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	The Genotype-Tissue Expression (GTEx) project. <i>Nature Genetics</i> , 2013 , 45, 580-5	36.3	4179
250	Human genomics. The Genotype-Tissue Expression (GTEx) pilot analysis: multitissue gene regulation in humans. <i>Science</i> , 2015 , 348, 648-60	33.3	3242
249	NADPH oxidase-derived free radicals are key oxidants in alcohol-induced liver disease. <i>Journal of Clinical Investigation</i> , 2000 , 106, 867-72	15.9	378
248	Standardizing global gene expression analysis between laboratories and across platforms. <i>Nature Methods</i> , 2005 , 2, 351-6	21.6	365
247	models for liver toxicity testing. <i>Toxicology Research</i> , 2013 , 2, 23-39	2.6	304
246	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. <i>Environmental Health Perspectives</i> , 2016 , 124, 713-21	8.4	290
245	Role of the Kupffer cell in mediating hepatic toxicity and carcinogenesis. <i>Toxicological Sciences</i> , 2007 , 96, 2-15	4.4	236
244	The role of Kupffer cell oxidant production in early ethanol-induced liver disease. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1544-9	7.8	201
243	Modes of action and species-specific effects of di-(2-ethylhexyl)phthalate in the liver. <i>Critical Reviews in Toxicology</i> , 2006 , 36, 459-79	5.7	196
242	Human genomics. Effect of predicted protein-truncating genetic variants on the human transcriptome. <i>Science</i> , 2015 , 348, 666-9	33.3	170
241	Predicting drug-induced hepatotoxicity using QSAR and toxicogenomics approaches. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1251-62	4	156
240	Mouse population-guided resequencing reveals that variants in CD44 contribute to acetaminophen-induced liver injury in humans. <i>Genome Research</i> , 2009 , 19, 1507-15	9.7	152
239	Difference in expression of hepatic microRNAs miR-29c, miR-34a, miR-155, and miR-200b is associated with strain-specific susceptibility to dietary nonalcoholic steatohepatitis in mice. <i>Laboratory Investigation</i> , 2010 , 90, 1437-46	5.9	149
238	Hepatic epigenetic phenotype predetermines individual susceptibility to hepatic steatosis in mice fed a lipogenic methyl-deficient diet. <i>Journal of Hepatology</i> , 2009 , 51, 176-86	13.4	143
237	Role of epigenetic aberrations in the development and progression of human hepatocellular carcinoma. <i>Cancer Letters</i> , 2014 , 342, 223-30	9.9	139
236	Towards high-throughput metabolomics using ultrahigh-field Fourier transform ion cyclotron resonance mass spectrometry. <i>Metabolomics</i> , 2008 , 4, 128-140	4.7	128
235	Cytochrome P450 CYP2E1, but not nicotinamide adenine dinucleotide phosphate oxidase, is required for ethanol-induced oxidative DNA damage in rodent liver. <i>Hepatology</i> , 2005 , 41, 336-44	11.2	128

234	Peroxisome proliferator-activated receptor alpha is restricted to hepatic parenchymal cells, not Kupffer cells: implications for the mechanism of action of peroxisome proliferators in hepatocarcinogenesis. <i>Carcinogenesis</i> , 2000 , 21, 823-6	4.6	111
233	Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: A systematic literature review. <i>Mutation Research - Reviews in Mutation Research</i> , 2016 , 768, 27-45	7	111
232	Multiparameter in vitro assessment of compound effects on cardiomyocyte physiology using iPSC cells. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 39-53		106
231	Predictive power of biomarkers of oxidative stress and inflammation in patients with hepatitis C virus-associated hepatocellular carcinoma. <i>Annals of Surgical Oncology</i> , 2007 , 14, 1182-90	3.1	104
230	Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). <i>Journal of Epidemiology and Community Health</i> , 2016 , 70, 741-5	5.1	104
229	Role of peroxisome proliferator-activated receptor-alpha (PPARalpha) in bezafibrate-induced hepatocarcinogenesis and cholestasis. <i>Carcinogenesis</i> , 2005 , 26, 219-27	4.6	102
228	Assessment of beating parameters in human induced pluripotent stem cells enables quantitative in vitro screening for cardiotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2013 , 273, 500-7	4.6	93
227	High-content assays for hepatotoxicity using induced pluripotent stem cell-derived cells. <i>Assay and Drug Development Technologies</i> , 2014 , 12, 43-54	2.1	92
226	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. <i>Toxicology and Applied Pharmacology</i> , 2012 , 262, 52-9	4.6	89
225	Modeling liver-related adverse effects of drugs using knearest neighbor quantitative structure-activity relationship method. <i>Chemical Research in Toxicology</i> , 2010 , 23, 724-32	4	88
224	Use of in vitro HTS-derived concentration-response data as biological descriptors improves the accuracy of QSAR models of in vivo toxicity. <i>Environmental Health Perspectives</i> , 2011 , 119, 364-70	8.4	88
223	Environmental toxicants, epigenetics, and cancer. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 754, 215-32	3.6	87
222	Addressing human variability in next-generation human health risk assessments of environmental chemicals. <i>Environmental Health Perspectives</i> , 2013 , 121, 23-31	8.4	87
221	Methyl deficiency, alterations in global histone modifications, and carcinogenesis. <i>Journal of Nutrition</i> , 2007 , 137, 216S-222S	4.1	87
220	High-Content Assay Multiplexing for Toxicity Screening in Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Hepatocytes. <i>Assay and Drug Development Technologies</i> , 2015 , 13, 529-46	2.1	86
219	Mechanistic considerations for human relevance of cancer hazard of di(2-ethylhexyl) phthalate. <i>Mutation Research - Reviews in Mutation Research</i> , 2012 , 750, 141-158	7	86
218	Expression of base excision DNA repair genes is a sensitive biomarker for in vivo detection of chemical-induced chronic oxidative stress: identification of the molecular source of radicals responsible for DNA damage by peroxisome proliferators. <i>Cancer Research</i> , 2004 , 64, 1050-7	10.1	86
217	Integrative chemical-biological read-across approach for chemical hazard classification. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1199-208	4	83

216	Population-based discovery of toxicogenomics biomarkers for hepatotoxicity using a laboratory strain diversity panel. <i>Toxicological Sciences</i> , 2009 , 110, 235-43	4.4	83
215	Expression of base excision DNA repair genes as a biomarker of oxidative DNA damage. <i>Cancer Letters</i> , 2005 , 229, 1-11	9.9	82
214	Phthalates rapidly increase production of reactive oxygen species in vivo: role of Kupffer cells. <i>Molecular Pharmacology</i> , 2001 , 59, 744-50	4.3	80
213	Use of cell viability assay data improves the prediction accuracy of conventional quantitative structure-activity relationship models of animal carcinogenicity. <i>Environmental Health Perspectives</i> , 2008 , 116, 506-13	8.4	72
212	Phenotypic anchoring of acetaminophen-induced oxidative stress with gene expression profiles in rat liver. <i>Toxicological Sciences</i> , 2006 , 93, 213-22	4.4	72
211	Mouse liver effects of cyproconazole, a triazole fungicide: role of the constitutive androstane receptor. <i>Toxicological Sciences</i> , 2007 , 99, 315-25	4.4	71
210	Trichloroethylene: Mechanistic, epidemiologic and other supporting evidence of carcinogenic hazard. <i>Pharmacology & Therapeutics</i> , 2014 , 141, 55-68	13.9	70
209	Prediction of human population responses to toxic compounds by a collaborative competition. <i>Nature Biotechnology</i> , 2015 , 33, 933-40	44.5	70
208	Standardizing benchmark dose calculations to improve science-based decisions in human health assessments. <i>Environmental Health Perspectives</i> , 2014 , 122, 499-505	8.4	69
207	The DEN and CCl4 -Induced Mouse Model of Fibrosis and Inflammation-Associated Hepatocellular Carcinoma. <i>Current Protocols in Pharmacology</i> , 2014 , 66, 14.30.1-10	4.1	69
206	Multicenter study of acetaminophen hepatotoxicity reveals the importance of biological endpoints in genomic analyses. <i>Toxicological Sciences</i> , 2007 , 99, 326-37	4.4	69
205	Indoor air pollutants and health in the United Arab Emirates. <i>Environmental Health Perspectives</i> , 2012 , 120, 687-94	8.4	68
204	Molecular mechanisms of fibrosis-associated promotion of liver carcinogenesis. <i>Toxicological Sciences</i> , 2013 , 132, 53-63	4.4	66
203	Chemical Safety Assessment Using Read-Across: Assessing the Use of Novel Testing Methods to Strengthen the Evidence Base for Decision Making. <i>Environmental Health Perspectives</i> , 2015 , 123, 1232-40	8.4	66
202	Trichloroethylene biotransformation and its role in mutagenicity, carcinogenicity and target organ toxicity. <i>Mutation Research - Reviews in Mutation Research</i> , 2014 , 762, 22-36	7	66
201	Biology-inspired microphysiological systems to advance patient benefit and animal welfare in drug development. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020 , 37, 365-394	4.3	66
200	Identification of putative estrogen receptor-mediated endocrine disrupting chemicals using QSAR- and structure-based virtual screening approaches. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 67-76	4.6	65
199	Population-based in vitro hazard and concentration-response assessment of chemicals: the 1000 genomes high-throughput screening study. <i>Environmental Health Perspectives</i> , 2015 , 123, 458-66	8.4	64

198	Application of the key characteristics of carcinogens in cancer hazard identification. <i>Carcinogenesis</i> , 2018 , 39, 614-622	4.6	64
197	Protective effect of Juzen-taiho-to on hepatocarcinogenesis is mediated through the inhibition of Kupffer cell-induced oxidative stress. <i>International Journal of Cancer</i> , 2008 , 123, 2503-11	7.5	62
196	Gene expression in nontumoral liver tissue and recurrence-free survival in hepatitis C virus-positive hepatocellular carcinoma. <i>Molecular Cancer</i> , 2010 , 9, 74	42.1	61
195	Metabolomic profiling of a modified alcohol liquid diet model for liver injury in the mouse uncovers new markers of disease. <i>Toxicology and Applied Pharmacology</i> , 2008 , 232, 236-43	4.6	61
194	ToxPi GUI: an interactive visualization tool for transparent integration of data from diverse sources of evidence. <i>Bioinformatics</i> , 2013 , 29, 402-3	7.2	60
193	Inferring missing genotypes in large SNP panels using fast nearest-neighbor searches over sliding windows. <i>Bioinformatics</i> , 2007 , 23, i401-7	7.2	60
192	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
191	IARC monographs: 40 years of evaluating carcinogenic hazards to humans. <i>Environmental Health Perspectives</i> , 2015 , 123, 507-14	8.4	57
190	Predictive modeling of chemical hazard by integrating numerical descriptors of chemical structures and short-term toxicity assay data. <i>Toxicological Sciences</i> , 2012 , 127, 1-9	4.4	57
189	A novel two-step hierarchical quantitative structure-activity relationship modeling work flow for predicting acute toxicity of chemicals in rodents. <i>Environmental Health Perspectives</i> , 2009 , 117, 1257-64	8.4	55
188	Novel role of oxidants in the molecular mechanism of action of peroxisome proliferators. <i>Antioxidants and Redox Signaling</i> , 2000 , 2, 607-21	8.4	54
187	Heading down the wrong pathway: on the influence of correlation within gene sets. <i>BMC Genomics</i> , 2010 , 11, 574	4.5	53
186	ToxPi Graphical User Interface 2.0: Dynamic exploration, visualization, and sharing of integrated data models. <i>BMC Bioinformatics</i> , 2018 , 19, 80	3.6	50
185	A chemical-biological similarity-based grouping of complex substances as a prototype approach for evaluating chemical alternatives. <i>Green Chemistry</i> , 2016 , 18, 4407-4419	10	50
184	ICAM-1 is involved in the mechanism of alcohol-induced liver injury: studies with knockout mice. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 280, G1289-95	5.1	49
183	Genomic profiling in nuclear receptor-mediated toxicity. <i>Toxicologic Pathology</i> , 2007 , 35, 474-94	2.1	48
182	Impaired Ras membrane association and activation in PPARalpha knockout mice after partial hepatectomy. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 284, G302-12	5.1	47
181	Use of high-throughput in vitro toxicity screening data in cancer hazard evaluations by IARC Monograph Working Groups. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018 , 35, 51-64	4.3	47

180	Target Organ Metabolism, Toxicity, and Mechanisms of Trichloroethylene and Perchloroethylene: Key Similarities, Differences, and Data Gaps. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 359, 110-23	4.7	46
179	Defective HNF4alpha-dependent gene expression as a driver of hepatocellular failure in alcoholic hepatitis. <i>Nature Communications</i> , 2019 , 10, 3126	17.4	46
178	High-content high-throughput assays for characterizing the viability and morphology of human iPSC-derived neuronal cultures. <i>Assay and Drug Development Technologies</i> , 2014 , 12, 536-47	2.1	46
177	Spectrum of HNF1A somatic mutations in hepatocellular adenoma differs from that in patients with MODY3 and suggests genotoxic damage. <i>Diabetes</i> , 2010 , 59, 1836-44	0.9	46
176	Interstrain differences in the liver effects of trichloroethylene in a multistrain panel of inbred mice. <i>Toxicological Sciences</i> , 2011 , 120, 206-17	4.4	46
175	Systems biology and functional genomics approaches for the identification of cellular responses to drug toxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2008 , 4, 1379-89	5.5	46
174	In vitro cardiotoxicity assessment of environmental chemicals using an organotypic human induced pluripotent stem cell-derived model. <i>Toxicology and Applied Pharmacology</i> , 2017 , 322, 60-74	4.6	45
173	Interstrain differences in liver injury and one-carbon metabolism in alcohol-fed mice. <i>Hepatology</i> , 2012 , 56, 130-9	11.2	45
172	Mechanisms of peroxisome proliferator-induced DNA hypomethylation in rat liver. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008 , 644, 17-23	3.3	45
171	Epigenetic mechanisms of mouse interstrain variability in genotoxicity of the environmental toxicant 1,3-butadiene. <i>Toxicological Sciences</i> , 2011 , 122, 448-56	4.4	44
170	Genome-level analysis of genetic regulation of liver gene expression networks. <i>Hepatology</i> , 2007 , 46, 548-57	11.2	44
169	Epigenetic aspects of genotoxic and non-genotoxic hepatocarcinogenesis: studies in rodents. <i>Environmental and Molecular Mutagenesis</i> , 2008 , 49, 9-15	3.2	44
168	Role of Kupffer cells and oxidants in signaling peroxisome proliferator-induced hepatocyte proliferation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000 , 448, 179-92	3.3	44
167	Alcohol and toxicity. <i>Journal of Hepatology</i> , 2013 , 59, 387-8	13.4	43
166	Effects of ethylene oxide and ethylene inhalation on DNA adducts, apurinic/apyrimidinic sites and expression of base excision DNA repair genes in rat brain, spleen, and liver. <i>DNA Repair</i> , 2005 , 4, 1099-1103	4.3	43
165	Toxicogenetics: population-based testing of drug and chemical safety in mouse models. <i>Pharmacogenomics</i> , 2010 , 11, 1127-36	2.6	41
164	Development of an Ion Mobility Spectrometry-Orbitrap Mass Spectrometer Platform. <i>Analytical Chemistry</i> , 2016 , 88, 12152-12160	7.8	40
163	Technology Transfer of the Microphysiological Systems: A Case Study of the Human Proximal Tubule Tissue Chip. <i>Scientific Reports</i> , 2018 , 8, 14882	4.9	40

162	Mechanisms of HCV-induced liver cancer: what did we learn from in vitro and animal studies?. <i>Cancer Letters</i> , 2014 , 345, 210-5	9.9	39
161	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. <i>FASEB Journal</i> , 2012 , 26, 4592-602	0.9	39
160	Comparative analysis of promoter methylation and gene expression endpoints between tumorous and non-tumorous tissues from HCV-positive patients with hepatocellular carcinoma. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010 , 692, 26-33	3.3	39
159	Epigenetic alterations in liver of C57BL/6J mice after short-term inhalational exposure to 1,3-butadiene. <i>Environmental Health Perspectives</i> , 2011 , 119, 635-40	8.4	38
158	Role of Kupffer cells in peroxisome proliferator-induced hepatocyte proliferation. <i>Drug Metabolism Reviews</i> , 1999 , 31, 87-116	7	38
157	From "weight of evidence" to quantitative data integration using multicriteria decision analysis and Bayesian methods. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015 , 32, 3-8	4.3	38
156	Epigenetic effects of the continuous exposure to peroxisome proliferator WY-14,643 in mouse liver are dependent upon peroxisome proliferator activated receptor alpha. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007 , 625, 62-71	3.3	36
155	MicroRNA deregulation in nonalcoholic steatohepatitis-associated liver carcinogenesis. <i>Oncotarget</i> , 2017 , 8, 88517-88528	3.3	36
154	Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model. <i>Toxicological Sciences</i> , 2012 , 126, 578-88	4.4	35
153	Assessment of biological responses of EpiAirway 3-D cell constructs versus A549 cells for determining toxicity of ambient air pollution. <i>Inhalation Toxicology</i> , 2016 , 28, 251-9	2.7	34
152	Physiologically based pharmacokinetic (PBPK) modeling of interstrain variability in trichloroethylene metabolism in the mouse. <i>Environmental Health Perspectives</i> , 2014 , 122, 456-63	8.4	34
151	Pharmacokinetic analysis of trichloroethylene metabolism in male B6C3F1 mice: Formation and disposition of trichloroacetic acid, dichloroacetic acid, S-(1,2-dichlorovinyl)glutathione and S-(1,2-dichlorovinyl)-L-cysteine. <i>Toxicology and Applied Pharmacology</i> , 2009 , 238, 90-9	4.6	33
150	FastMap: fast eQTL mapping in homozygous populations. <i>Bioinformatics</i> , 2009 , 25, 482-9	7.2	32
149	Liquid chromatography electrospray ionization tandem mass spectrometry analysis method for simultaneous detection of trichloroacetic acid, dichloroacetic acid, S-(1,2-dichlorovinyl)glutathione and S-(1,2-dichlorovinyl)-L-cysteine. <i>Toxicology</i> , 2009 , 262, 230-8	4.4	31
148	In vitro screening for population variability in chemical toxicity. <i>Toxicological Sciences</i> , 2011 , 119, 398-407	4.4	31
147	Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population. <i>Environmental Health Perspectives</i> , 2017 , 125, 057006	8.4	30
146	Genetic and epigenetic changes in fibrosis-associated hepatocarcinogenesis in mice. <i>International Journal of Cancer</i> , 2014 , 134, 2778-88	7.5	30
145	Development of an intragastric enteral model in the mouse: studies of alcohol-induced liver disease using knockout technology. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2000 , 7, 395-400		30

144	Conditional Toxicity Value (CTV) Predictor: An Approach for Generating Quantitative Risk Estimates for Chemicals. <i>Environmental Health Perspectives</i> , 2018 , 126, 057008	8.4	30
143	WY-14,643 induced cell proliferation and oxidative stress in mouse liver are independent of NADPH oxidase. <i>Toxicological Sciences</i> , 2007 , 98, 366-74	4.4	29
142	Swift increase in alcohol metabolism (SIAM): understanding the phenomenon of hypermetabolism in liver. <i>Alcohol</i> , 2005 , 35, 13-7	2.7	28
141	Software Tools to Facilitate Systematic Review Used for Cancer Hazard Identification. <i>Environmental Health Perspectives</i> , 2018 , 126, 104501	8.4	28
140	Editor@ 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. <i>Toxicological Sciences</i> , 2017 , 158, 48-62	4.4	27
139	Increased incidence of aflatoxin B1-induced liver tumors in hepatitis virus C transgenic mice. <i>International Journal of Cancer</i> , 2012 , 130, 1347-56	7.5	27
138	Adiponectin lowers glucose production by increasing SOGA. <i>American Journal of Pathology</i> , 2010 , 177, 1936-45	5.8	27
137	A tiered, Bayesian approach to estimating of population variability for regulatory decision-making. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017 , 34, 377-388	4.3	27
136	The COVID-19 Pandemic Vulnerability Index (PVI) Dashboard: Monitoring County-Level Vulnerability Using Visualization, Statistical Modeling, and Machine Learning. <i>Environmental Health Perspectives</i> , 2021 , 129, 17701	8.4	27
135	Mechanism for prevention of alcohol-induced liver injury by dietary methyl donors. <i>Toxicological Sciences</i> , 2010 , 115, 131-9	4.4	26
134	An integrative method for identification and prioritization of constituents of concern in produced water from onshore oil and gas extraction. <i>Environment International</i> , 2020 , 134, 105280	12.9	26
133	Population-based toxicity screening in human induced pluripotent stem cell-derived cardiomyocytes. <i>Toxicology and Applied Pharmacology</i> , 2019 , 381, 114711	4.6	25
132	A Pipeline for High-Throughput Concentration Response Modeling of Gene Expression for Toxicogenomics. <i>Frontiers in Genetics</i> , 2017 , 8, 168	4.5	25
131	Temporal correlation of pathology and DNA damage with gene expression in a choline-deficient model of rat liver injury. <i>Hepatology</i> , 2005 , 42, 1137-47	11.2	25
130	A human population-based organotypic in vitro model for cardiotoxicity screening. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018 , 35, 441-452	4.3	25
129	Sex-specific gene expression in the BXD mouse liver. <i>Physiological Genomics</i> , 2010 , 42, 456-68	3.6	24
128	Time-course comparison of xenobiotic activators of CAR and PPARalpha in mouse liver. <i>Toxicology and Applied Pharmacology</i> , 2009 , 235, 199-207	4.6	24
127	Comparative analysis of the relationship between trichloroethylene metabolism and tissue-specific toxicity among inbred mouse strains: liver effects. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 15-31	3.2	23

126	Prediction of binding affinity and efficacy of thyroid hormone receptor ligands using QSAR and structure-based modeling methods. <i>Toxicology and Applied Pharmacology</i> , 2014 , 280, 177-89	4.6	23
125	Strain-dependent dysregulation of one-carbon metabolism in male mice is associated with choline- and folate-deficient diet-induced liver injury. <i>FASEB Journal</i> , 2013 , 27, 2233-43	0.9	23
124	Epigenetic events determine tissue-specific toxicity of inhalational exposure to the genotoxic chemical 1,3-butadiene in male C57BL/6J mice. <i>Toxicological Sciences</i> , 2014 , 142, 375-84	4.4	23
123	An empirical Bayes approach for multiple tissue eQTL analysis. <i>Biostatistics</i> , 2018 , 19, 391-406	3.7	23
122	In vitro screening for population variability in toxicity of pesticide-containing mixtures. <i>Environment International</i> , 2015 , 85, 147-55	12.9	22
121	Joint effects of alcohol consumption and polymorphisms in alcohol and oxidative stress metabolism genes on risk of head and neck cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011 , 20, 2438-49	4	21
120	Evaluation of an in vitro toxicogenetic mouse model for hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2010 , 249, 208-16	4.6	21
119	Gene Expression and DNA Methylation Alterations in the Glycine N-Methyltransferase Gene in Diet-Induced Nonalcoholic Fatty Liver Disease-Associated Carcinogenesis. <i>Toxicological Sciences</i> , 2019 , 170, 273-282	4.4	20
118	Advancing chemical risk assessment decision-making with population variability data: challenges and opportunities. <i>Mammalian Genome</i> , 2018 , 29, 182-189	3.2	20
117	Epithelial splicing regulatory protein 2-mediated alternative splicing reprograms hepatocytes in severe alcoholic hepatitis. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2129-2145	15.9	19
116	High-Content Assay Multiplexing for Vascular Toxicity Screening in Induced Pluripotent Stem Cell-Derived Endothelial Cells and Human Umbilical Vein Endothelial Cells. <i>Assay and Drug Development Technologies</i> , 2017 , 15, 267-279	2.1	18
115	Comparative analysis of the relationship between trichloroethylene metabolism and tissue-specific toxicity among inbred mouse strains: kidney effects. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 32-49	3.2	18
114	Time course investigation of PPARalpha- and Kupffer cell-dependent effects of WY-14,643 in mouse liver using microarray gene expression. <i>Toxicology and Applied Pharmacology</i> , 2007 , 225, 267-77	4.6	18
113	Effects of pirfenidone in acute and sub-chronic liver fibrosis, and an initiation-promotion cancer model in the mouse. <i>Toxicology and Applied Pharmacology</i> , 2018 , 339, 1-9	4.6	18
112	Characterization of inter-tissue and inter-strain variability of TCE glutathione conjugation metabolites DCVG, DCVC, and NAcDCVC in the mouse. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018 , 81, 37-52	3.2	18
111	Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 361, 17-28	4.7	17
110	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. <i>Environmental Health Perspectives</i> , 2017 , 125, 107006	8.4	17
109	Tissue- and strain-specific effects of a genotoxic carcinogen 1,3-butadiene on chromatin and transcription. <i>Mammalian Genome</i> , 2018 , 29, 153-167	3.2	17

108	Environmental exposures due to natural disasters. <i>Reviews on Environmental Health</i> , 2016 , 31, 89-92	3.8	17
107	Metabolism and Toxicity of Trichloroethylene and Tetrachloroethylene in Cytochrome P450 2E1 Knockout and Humanized Transgenic Mice. <i>Toxicological Sciences</i> , 2018 , 164, 489-500	4.4	17
106	Epigenetically mediated inhibition of S-adenosylhomocysteine hydrolase and the associated dysregulation of 1-carbon metabolism in nonalcoholic steatohepatitis and hepatocellular carcinoma. <i>FASEB Journal</i> , 2018 , 32, 1591-1601	0.9	17
105	Grouping of Petroleum Substances as Example UVCBs by Ion Mobility-Mass Spectrometry to Enable Chemical Composition-Based Read-Across. <i>Environmental Science & Technology</i> , 2017 , 51, 7197-7207	10.3	16
104	The role of microRNAs in the development and progression of chemical-associated cancers. <i>Toxicology and Applied Pharmacology</i> , 2016 , 312, 3-10	4.6	16
103	EditorQ Highlight: Comparative Dose-Response Analysis of Liver and Kidney Transcriptomic Effects of Trichloroethylene and Tetrachloroethylene in B6C3F1 Mouse. <i>Toxicological Sciences</i> , 2017 , 160, 95-110	4.4	16
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