Ivan Rusyn

List of Publications by Year in descending order

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260 papers	25,523 citations	15504 65 h-index	8866 145 g-index
267 all docs	267 docs citations	267 times ranked	44690 citing authors

#	Article	IF	Citations
1	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.	12.4	17
2	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.	6.1	16
3	Utilizing ion mobility spectrometry-mass spectrometry for the characterization and detection of persistent organic pollutants and their metabolites. Analytical and Bioanalytical Chemistry, 2022, 414, 1245-1258.	3.7	9
4	Emerging technologies and their impact on regulatory science. Experimental Biology and Medicine, 2022, 247, 1-75.	2.4	22
5	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.	0.7	6
6	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.	5.5	10
7	Spatial and Temporal Analysis of Impacts of Hurricane Florence on Criteria Air Pollutants and Air Toxics in Eastern North Carolina. International Journal of Environmental Research and Public Health, 2022, 19, 1757.	2.6	6
8	Characterization of compositional variability in petroleum substances. Fuel, 2022, 317, 123547.	6.4	8
9	Decision-Making with New Approach Methodologies: Time to Replace Default Uncertainty Factors with Data. Toxicological Sciences, 2022, 189, 148-149.	3.1	7
10	A Model of Human Small Airway on a Chip for Studies of Subacute Effects of Inhalation Toxicants. Toxicological Sciences, 2022, 187, 267-278.	3.1	4
11	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, 17, 1462-1476.	2.7	5
12	Characterization of population variability of 1,3-butadiene derived protein adducts in humans and mice. Regulatory Toxicology and Pharmacology, 2022, 132, 105171.	2.7	4
13	Integrating nonlinear analysis and machine learning for human induced pluripotent stem cellâ€based drug cardiotoxicity testing. Journal of Tissue Engineering and Regenerative Medicine, 2022, 16, 732-743.	2.7	4
14	Oil Irradiation Experiments Document Changes in Oil Properties, Molecular Composition, and Dispersant Effectiveness Associated with Oil Photo-Oxidation. Environmental Science & Technology, 2022, 56, 7789-7799.	10.0	16
15	Model systems and organisms for addressing inter- and intra-species variability in risk assessment. Regulatory Toxicology and Pharmacology, 2022, 132, 105197.	2.7	11
16	Microphysiological Systems Evaluation: Experience of TEX-VAL Tissue Chip Testing Consortium. Toxicological Sciences, 2022, 188, 143-152.	3.1	17
17	Lipidomic profiling of the hepatic esterified fatty acid composition in diet-induced nonalcoholic fatty liver disease in genetically diverse Collaborative Cross mice. Journal of Nutritional Biochemistry, 2022, 109, 109108.	4.2	3
18	Risk Characterization of Environmental Samples Using In Vitro Bioactivity and Polycyclic Aromatic Hydrocarbon Concentrations Data. Toxicological Sciences, 2021, 179, 108-120.	3.1	18

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19	Analysis of reproducibility and robustness of a human microfluidic four-cell liver acinus microphysiology system (LAMPS). Toxicology, 2021, 448, 152651.	4.2	24
20	A Comparative Analysis of Analytical Techniques for Rapid Oil Spill Identification. Environmental Toxicology and Chemistry, 2021, 40, 1034-1049.	4.3	11
21	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.	6.0	65
22	Risk Characterization and Probabilistic Concentrationâ€“Response Modeling of Complex Environmental Mixtures Using New Approach Methodologies (NAMs) Data from Organotypic in Vitro Human Stem Cell Assays. Environmental Health Perspectives, 2021, 129, 17004.	6.0	34
23	Editorial overview of the special issue on application of tissue chips in toxicology. Toxicology, 2021, 450, 152687.	4.2	5
24	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.	3.6	8
25	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.	3.3	21
26	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.	12.4	9
27	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.	3.9	19
28	Curated Data In â€" Trustworthy In Silico 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.	1.0	20
29	Quantitative Characterization of Population-Wide Tissue- and Metabolite-Specific Variability in Perchloroethylene Toxicokinetics in Male Mice. Toxicological Sciences, 2021, 182, 168-182.	3.1	5
30	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.	3.9	5
31	QuantitativeIn Vitro-to-In VivoExtrapolation for Mixtures: A Case Study of Superfund Priority List Pesticides. Toxicological Sciences, 2021, 183, 60-69.	3.1	8
32	Data Processing Workflow to Identify Structurally Related Compounds in Petroleum Substances Using Ion Mobility Spectrometryâ€“Mass Spectrometry. Energy & Fuels, 2021, 35, 10529-10539.	5.1	9
33	Key Characteristics of Human Hepatotoxicants as a Basis for Identification and Characterization of the Causes of Liver Toxicity. Hepatology, 2021, 74, 3486-3496.	7.3	29
34	The DEN and CCl₄â€Induced Mouse Model of Fibrosis and Inflammationâ€Associated Hepatocellular Carcinoma. Current Protocols, 2021, 1, e211.	2.9	7
35	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.	3.3	20
36	Heart Muscle Microphysiological System for Cardiac Liability Prediction of Repurposed COVID-19 Therapeutics. Frontiers in Pharmacology, 2021, 12, 684252.	3.5	12

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37	A new approach method for characterizing inter-species toxicodynamic variability. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, 84, 1020-1039.	2.3	5
38	Prediction of hepatic drug clearance with a human microfluidic four-cell liver acinus microphysiology system. Toxicology, 2021, 463, 152954.	4.2	7
39	Grouping of UVCB substances with new approach methodologies (NAMs) data. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 123-137.	1.5	13
40	Quantitative NanoLC/NSI+-HRMS Method for 1,3-Butadiene Induced bis-N7-guanine DNA-DNA Cross-Links in Urine. Toxics, 2021, 9, 247.	3.7	4
41	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.	3.3	6
42	Potential Human Health Hazard of Post-Hurricane Harvey Sediments in Galveston Bay and Houston Ship Channel: A Case Study of Using In Vitro Bioactivity Data to Inform Risk Management Decisions. International Journal of Environmental Research and Public Health, 2021, 18, 13378.	2.6	8
43	Tissue-Engineered Bone Tumor as a Reproducible Human in Vitro Model for Studies of Anticancer Drugs. Toxicological Sciences, 2020, 173, 65-76.	3.1	8
44	A Novel Mouse Model of Acuteâ€onâ€Chronic Cholestatic Alcoholic Liver Disease: A Systems Biology Comparison With Human Alcoholic Hepatitis. Alcoholism: Clinical and Experimental Research, 2020, 44, 87-101.	2.4	8
45	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.	10.0	45
46	Predicting tubular reabsorption with a human kidney proximal tubule tissue-on-a-chip and physiologically-based modeling. Toxicology in Vitro, 2020, 63, 104752.	2.4	28
47	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.	4.2	25
48	Rapid Characterization of Emerging Per- and Polyfluoroalkyl Substances in Aqueous Film-Forming Foams Using Ion Mobility Spectrometryâ€“Mass Spectrometry. Environmental Science & Technology, 2020, 54, 15024-15034.	10.0	35
49	Cardiovascular Effects of Polychlorinated Biphenyls and Their Major Metabolites. Environmental Health Perspectives, 2020, 128, 77008.	6.0	24
50	A Bayesian Method for Population-wide Cardiotoxicity Hazard and Risk Characterization Using an In Vitro Human Model. Toxicological Sciences, 2020, 178, 391-403.	3.1	20
51	Hepatic lipocalin 2 promotes liver fibrosis and portal hypertension. Scientific Reports, 2020, 10, 15558.	3.3	30
52	Butyrate-containing structured lipids inhibit RAC1 and epithelial-to-mesenchymal transition markers: a chemopreventive mechanism against hepatocarcinogenesis. Journal of Nutritional Biochemistry, 2020, 86, 108496.	4.2	8
53	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.	7.5	23
54	Questioning Existing Cancer Hazard Evaluation Standards in the Name of Statistics. Toxicological Sciences, 2020, 177, 521-522.	3.1	2

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55	In Vitro Bioavailability of the Hydrocarbon Fractions of Dimethyl Sulfoxide Extracts of Petroleum Substances. Toxicological Sciences, 2020, 174, 168-177.	3.1	11
56	Characterization of the variability in the extent of nonalcoholic fatty liver induced by a highâ€fat diet in the genetically diverse Collaborative Cross mouse model. FASEB Journal, 2020, 34, 7773-7785.	0.5	19
57	PBPK modeling of impact of nonalcoholic fatty liver disease on toxicokinetics of perchloroethylene in mice. Toxicology and Applied Pharmacology, 2020, 400, 115069.	2.8	4
58	Epithelial splicing regulatory protein 2â€“mediated alternative splicing reprograms hepatocytes in severe alcoholic hepatitis. Journal of Clinical Investigation, 2020, 130, 2129-2145.	8.2	49
59	Integrative QTL analysis of gene expression and chromatin accessibility identifies multi-tissue patterns of genetic regulation. PLoS Genetics, 2020, 16, e1008537.	3.5	35
60	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 365-394.	1.5	123
61	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.	1.5	23
62	Title is missing!. , 2020, 16, e1008537.		0
63	Title is missing!. , 2020, 16, e1008537.		0
64	Title is missing!. , 2020, 16, e1008537.		0
65	Title is missing!. , 2020, 16, e1008537.		0
66	Population-based toxicity screening in human induced pluripotent stem cell-derived cardiomyocytes. Toxicology and Applied Pharmacology, 2019, 381, 114711.	2.8	48
67	Defective HNF4alpha-dependent gene expression as a driver of hepatocellular failure in alcoholic hepatitis. Nature Communications, 2019, 10, 3126.	12.8	124
68	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.	6.0	15
69	Grouping of complex substances using analytical chemistry data: A framework for quantitative evaluation and visualization. PLoS ONE, 2019, 14, e0223517.	2.5	21
70	Multi-dimensional in vitro bioactivity profiling for grouping of glycol ethers. Regulatory Toxicology and Pharmacology, 2019, 101, 91-102.	2.7	12
71	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.	2.4	14
72	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.	3.1	28

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73	Population-Based Analysis of DNA Damage and Epigenetic Effects of 1,3-Butadiene in the Mouse. Chemical Research in Toxicology, 2019, 32, 887-898.	3.3	14
74	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.	1.8	7
75	Baseline data for distribution of contaminants by natural disasters: results from a residential Houston neighborhood during Hurricane Harvey flooding. Heliyon, 2019, 5, e02860.	3.2	22
76	Modulation of Tetrachloroethylene-Associated Kidney Effects by Nonalcoholic Fatty Liver or Steatohepatitis in Male C57BL/6J Mice. Toxicological Sciences, 2019, 167, 126-137.	3.1	5
77	Sex-specific differences in genotoxic and epigenetic effects of 1,3-butadiene among mouse tissues. Archives of Toxicology, 2019, 93, 791-800.	4.2	13
78	Thorough QT/QTc in a Dish: An In Vitro Human Model That Accurately Predicts Clinical Concentrationâ€QTc Relationships. Clinical Pharmacology and Therapeutics, 2019, 105, 1175-1186.	4.7	23
79	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.	3.1	15
80	Oy Vey! A Comment on â€œMachine Learning of Toxicological Big Data Enables Read-Across Structure Activity Relationships Outperforming Animal Test Reproducibilityâ€• Toxicological Sciences, 2019, 167, 3-4.	3.1	24
81	Tissue- and strain-specific effects of a genotoxic carcinogen 1,3-butadiene on chromatin and transcription. Mammalian Genome, 2018, 29, 153-167.	2.2	21
82	Population-based doseâ€“response analysis of liver transcriptional response to trichloroethylene in mouse. Mammalian Genome, 2018, 29, 168-181.	2.2	13
83	Advancing chemical risk assessment decision-making with population variability data: challenges and opportunities. Mammalian Genome, 2018, 29, 182-189.	2.2	36
84	ToxPi Graphical User Interface 2.0: Dynamic exploration, visualization, and sharing of integrated data models. BMC Bioinformatics, 2018, 19, 80.	2.6	87
85	Application of the key characteristics of carcinogens in cancer hazard identification. Carcinogenesis, 2018, 39, 614-622.	2.8	90
86	Characterization of inter-tissue and inter-strain variability of TCE glutathione conjugation metabolites DCVG, DCVC, and NAcDCVC in the mouse. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 37-52.	2.3	19
87	Epigenetically mediated inhibition of Sâ€adenosylhomocysteine hydrolase and the associated dysregulation of 1â€carbon metabolism in nonalcoholic steatohepatitis and hepatocellular carcinoma. FASEB Journal, 2018, 32, 1591-1601.	0.5	23
88	Software Tools to Facilitate Systematic Review Used for Cancer Hazard Identification. Environmental Health Perspectives, 2018, 126, 104501.	6.0	35
89	Technology Transfer of the Microphysiological Systems: A Case Study of the Human Proximal Tubule Tissue Chip. Scientific Reports, 2018, 8, 14882.	3.3	58
90	Conditional Toxicity Value (CTV) Predictor: An In Silico Approach for Generating Quantitative Risk Estimates for Chemicals. Environmental Health Perspectives, 2018, 126, 057008.	6.0	52

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91	Chemistry-Wide Association Studies (CWAS): A Novel Framework for Identifying and Interpreting Structureâ€“Activity Relationships. Journal of Chemical Information and Modeling, 2018, 58, 2203-2213.	5.4	7
92	Re: â€˜Application of the key characteristics of carcinogens in cancer hazard evaluationâ€™: response to Goodman, Lynch and Rhomberg. Carcinogenesis, 2018, 39, 1091-1093.	2.8	6
93	The Impact of Novel Assessment Methodologies in Toxicology on Green Chemistry and Chemical Alternatives. Toxicological Sciences, 2018, 161, 276-284.	3.1	13
94	An empirical Bayes approach for multiple tissue eQTL analysis. Biostatistics, 2018, 19, 391-406.	1.5	37
95	Comparative analysis of metabolism of trichloroethylene and tetrachloroethylene among mouse tissues and strains. Toxicology, 2018, 409, 33-43.	4.2	13
96	Optimal Chemical Grouping and Sorbent Material Design by Data Analysis, Modeling and Dimensionality Reduction Techniques. Computer Aided Chemical Engineering, 2018, 43, 421-426.	0.5	8
97	Metabolism and Toxicity of Trichloroethylene and Tetrachloroethylene in Cytochrome P450 2E1 Knockout and Humanized Transgenic Mice. Toxicological Sciences, 2018, 164, 489-500.	3.1	23
98	Introduction to mammalian genome special issue: the combined role of genetics and environment relevant to human disease outcomes. Mammalian Genome, 2018, 29, 1-4.	2.2	6
99	High-Content Assay Multiplexing for Muscle Toxicity Screening in Human-Induced Pluripotent Stem Cell-Derived Skeletal Myoblasts. Assay and Drug Development Technologies, 2018, 16, 333-342.	1.2	10
100	Incorporation of the glutathione conjugation pathway in an updated physiologically-based pharmacokinetic model for perchloroethylene in mice. Toxicology and Applied Pharmacology, 2018, 352, 142-152.	2.8	8
101	gQTL: A Web Application for QTL Analysis Using the Collaborative Cross Mouse Genetic Reference Population. G3: Genes, Genomes, Genetics, 2018, 8, 2559-2562.	1.8	15
102	Effects of pirfenidone in acute and sub-chronic liver fibrosis, and an initiation-promotion cancer model in the mouse. Toxicology and Applied Pharmacology, 2018, 339, 1-9.	2.8	32
103	Use of high-throughput in vitro toxicity screening data in cancer hazard evaluations by IARC Monograph Working Groups. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 51-64.	1.5	54
104	A human population-based organotypic in vitro model for cardiotoxicity screening. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 441-452.	1.5	47
105	Impact of Nonalcoholic Fatty Liver Disease on Toxicokinetics of Tetrachloroethylene in Mice. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 17-28.	2.5	19
106	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.	2.8	62
107	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.	10.0	23
108	Nonalcoholic Fatty Liver Disease Is a Susceptibility Factor for Perchloroethylene-Induced Liver Effects in Mice. Toxicological Sciences, 2017, 159, 102-113.	3.1	12

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109	Editorâ€™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.	3.1	32
110	miR-1247 blocks SOX9â€“mediated regeneration in alcohol- and fibrosis-associated acute kidney injury in mice. Toxicology, 2017, 384, 40-49.	4.2	12
111	Genetic and epigenetic determinants of inter-individual variability in responses to toxicants. Current Opinion in Toxicology, 2017, 6, 50-59.	5.0	11
112	Editorâ€™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.	3.1	23
113	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.	1.2	24
114	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.	2.3	16
115	Editorial overview of the special issue on genomic toxicology epigenetics. Current Opinion in Toxicology, 2017, 6, i-iii.	5.0	1
116	A Pipeline for High-Throughput Concentration Response Modeling of Gene Expression for Toxicogenomics. Frontiers in Genetics, 2017, 8, 168.	2.3	55
117	Characterization of Variability in Toxicokinetics and Toxicodynamics of Tetrachloroethylene Using the Collaborative Cross Mouse Population. Environmental Health Perspectives, 2017, 125, 057006.	6.0	34
118	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.	6.0	22
119	A tiered, Bayesian approach to estimating population variability for regulatory decision-making. ALTEX: Alternatives To Animal Experimentation, 2017, 34, 377-388.	1.5	42
120	MicroRNA deregulation in nonalcoholic steatohepatitis-associated liver carcinogenesis. Oncotarget, 2017, 8, 88517-88528.	1.8	46
121	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. Environmental Health Perspectives, 2016, 124, 713-721.	6.0	415
122	The Next Generation of Risk Assessment Multi-Year Studyâ€”Highlights of Findings, Applications to Risk Assessment, and Future Directions. Environmental Health Perspectives, 2016, 124, 1671-1682.	6.0	74
123	Differentially expressed MicroRNAs provide mechanistic insight into fibrosis-associated liver carcinogenesis in mice. Molecular Carcinogenesis, 2016, 55, 808-817.	2.7	11
124	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.	5.5	137
125	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, 741-745.	3.7	138
126	A chemicalâ€“biological similarity-based grouping of complex substances as a prototype approach for evaluating chemical alternatives. Green Chemistry, 2016, 18, 4407-4419.	9.0	69

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127	Characterization of copy number alterations in a mouse model of fibrosisâ€associated hepatocellular carcinoma reveals concordance with human disease. Cancer Medicine, 2016, 5, 574-585.	2.8	6
128	A mouse model of alcoholic liver fibrosis-associated acute kidney injury identifies key molecular pathways. Toxicology and Applied Pharmacology, 2016, 310, 129-139.	2.8	14
129	Target Organ Metabolism, Toxicity, and Mechanisms of Trichloroethylene and Perchloroethylene: Key Similarities, Differences, and Data Gaps. Journal of Pharmacology and Experimental Therapeutics, 2016, 359, 110-123.	2.5	63
130	Development of an Ion Mobility Spectrometry-Orbitrap Mass Spectrometer Platform. Analytical Chemistry, 2016, 88, 12152-12160.	6.5	54
131	Assessment of biological responses of EpiAirway 3-D cell constructs versus A549 cells for determining toxicity of ambient air pollution. Inhalation Toxicology, 2016, 28, 251-259.	1.6	43
132	The role of microRNAs in the development and progression of chemical-associated cancers. Toxicology and Applied Pharmacology, 2016, 312, 3-10.	2.8	20
133	Environmental exposures due to natural disasters. Reviews on Environmental Health, 2016, 31, 89-92.	2.4	22
134	Cheminformatics-aided pharmacovigilance: application to Stevens-Johnson Syndrome. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 968-978.	4.4	13
135	High-Content Assay Multiplexing for Toxicity Screening in Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Hepatocytes. Assay and Drug Development Technologies, 2015, 13, 529-546.	1.2	107
136	The Contribution of Peroxisome Proliferator-Activated Receptor Alpha to the Relationship Between Toxicokinetics and Toxicodynamics of Trichloroethylene. Toxicological Sciences, 2015, 147, 339-349.	3.1	10
137	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, 1232-1240.	6.0	89
138	Prediction of human population responses to toxic compounds by a collaborative competition. Nature Biotechnology, 2015, 33, 933-940.	17.5	88
139	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.	2.3	18
140	IARC Monographs: 40 Years of Evaluating Carcinogenic Hazards to Humans. Environmental Health Perspectives, 2015, 123, 507-514.	6.0	86
141	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.	2.3	27
142	Population-Based in Vitro Hazard and Concentrationâ€“Response Assessment of Chemicals: The 1000 Genomes High-Throughput Screening Study. Environmental Health Perspectives, 2015, 123, 458-466.	6.0	89
143	The Genotype-Tissue Expression (GTEx) pilot analysis: Multitissue gene regulation in humans. Science, 2015, 348, 648-660.	12.6	4,659
144	Effect of predicted protein-truncating genetic variants on the human transcriptome. Science, 2015, 348, 666-669.	12.6	252

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145	Carcinogenicity of tetrachlorvinphos, parathion, malathion, diazinon, and glyphosate. Lancet Oncology, The, 2015, 16, 490-491.	10.7	642
146	In vitro screening for population variability in toxicity of pesticide-containing mixtures. Environment International, 2015, 85, 147-155.	10.0	39
147	From â€œweight of evidenceâ€• to quantitative data integration using multicriteria decision analysis and Bayesian methods. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 3-8.	1.5	50
148	Physiologically Based Pharmacokinetic (PBPK) Modeling of Interstrain Variability in Trichloroethylene Metabolism in the Mouse. Environmental Health Perspectives, 2014, 122, 456-463.	6.0	38
149	High-Content High-Throughput Assays for Characterizing the Viability and Morphology of Human iPSC-Derived Neuronal Cultures. Assay and Drug Development Technologies, 2014, 12, 536-547.	1.2	63
150	Standardizing Benchmark Dose Calculations to Improve Science-Based Decisions in Human Health Assessments. Environmental Health Perspectives, 2014, 122, 499-505.	6.0	82
151	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, 375-384.	3.1	27
152	The DEN and CCl₄â€•induced Mouse Model of Fibrosis and Inflammationâ€•Associated Hepatocellular Carcinoma. Current Protocols in Pharmacology, 2014, 66, 14.30.1-10.	4.0	109
153	Trichloroethylene biotransformation and its role in mutagenicity, carcinogenicity and target organ toxicity. Mutation Research - Reviews in Mutation Research, 2014, 762, 22-36.	5.5	89
154	Coâ€•regulation of primary mouse hepatocyte viability and function by oxygen and matrix. Biotechnology and Bioengineering, 2014, 111, 1018-1027.	3.3	17
155	High-Content Assays for Hepatotoxicity Using Induced Pluripotent Stem Cellâ€“Derived Cells. Assay and Drug Development Technologies, 2014, 12, 43-54.	1.2	111
156	Prediction of binding affinity and efficacy of thyroid hormone receptor ligands using QSAR and structure-based modeling methods. Toxicology and Applied Pharmacology, 2014, 280, 177-189.	2.8	34
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158	Mechanisms of HCV-induced liver cancer: What did we learn from in vitro and animal studies?. Cancer Letters, 2014, 345, 210-215.	7.2	61
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