

Julia E Rager

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

2,787
citations

186265

28
h-index

189892

50
g-index

73
all docs

73
docs citations

73
times ranked

3931
citing authors

#	ARTICLE	IF	CITATIONS
1	Formaldehyde Carcinogenicity Research. <i>Toxicologic Pathology</i> , 2013, 41, 181-189.	1.8	183
2	Prenatal arsenic exposure and the epigenome: Altered microRNAs associated with innate and adaptive immune signaling in newborn cord blood. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 196-208.	2.2	171
3	Prenatal Arsenic Exposure and the Epigenome: Identifying Sites of 5-methylcytosine Alterations that Predict Functional Changes in Gene Expression in Newborn Cord Blood and Subsequent Birth Outcomes. <i>Toxicological Sciences</i> , 2015, 143, 97-106.	3.1	157
4	Integrating tools for non-targeted analysis research and chemical safety evaluations at the US EPA. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 411-426.	3.9	148
5	Epigenetic Changes in Individuals with Arsenicosis. <i>Chemical Research in Toxicology</i> , 2011, 24, 165-167.	3.3	147
6	Linking high resolution mass spectrometry data with exposure and toxicity forecasts to advance high-throughput environmental monitoring. <i>Environment International</i> , 2016, 88, 269-280.	10.0	143
7	Cadmium exposure and the epigenome: Exposure-associated patterns of DNA methylation in leukocytes from mother-baby pairs. <i>Epigenetics</i> , 2014, 9, 212-221.	2.7	133
8	Epigenetic Changes Induced by Air Toxics: Formaldehyde Exposure Alters miRNA Expression Profiles in Human Lung Cells. <i>Environmental Health Perspectives</i> , 2011, 119, 494-500.	6.0	97
9	Arsenic and the Epigenome: Interindividual Differences in Arsenic Metabolism Related to Distinct Patterns of DNA Methylation. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 106-115.	3.0	97
10	T Follicular Helper Cell-Dependent Clearance of a Persistent Virus Infection Requires T Cell Expression of the Histone Demethylase UTX. <i>Immunity</i> , 2015, 43, 703-714.	14.3	76
11	Air toxics and epigenetic effects: ozone altered microRNAs in the sputum of human subjects. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L1129-L1137.	2.9	75
12	Review of the environmental prenatal exposome and its relationship to maternal and fetal health. <i>Reproductive Toxicology</i> , 2020, 98, 1-12.	2.9	67
13	17 β -Estradiol and Tamoxifen Prevent Gastric Cancer by Modulating Leukocyte Recruitment and Oncogenic Pathways in <i>Helicobacter Pylori</i> -Infected INS-GAS Male Mice. <i>Cancer Prevention Research</i> , 2011, 4, 1426-1435.	1.5	63
14	Review of transcriptomic responses to hexavalent chromium exposure in lung cells supports a role of epigenetic mediators in carcinogenesis. <i>Toxicology Letters</i> , 2019, 305, 40-50.	0.8	60
15	The epigenetic effects of a high prenatal folate intake in male mouse fetuses exposed in utero to arsenic. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 439-450.	2.8	54
16	Formaldehyde-Associated Changes in microRNAs: Tissue and Temporal Specificity in the Rat Nose, White Blood Cells, and Bone Marrow. <i>Toxicological Sciences</i> , 2014, 138, 36-46.	3.1	52
17	New Approach Methods to Evaluate Health Risks of Air Pollutants: Critical Design Considerations for In Vitro Exposure Testing. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2124.	2.6	51
18	A Network of Sputum MicroRNAs Is Associated with Neutrophilic Airway Inflammation in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 51-64.	5.6	51

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19	Two distinct trophectoderm lineage stem cells from human pluripotent stem cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100386.	3.4	48
20	Formaldehyde and Epigenetic Alterations: MicroRNA Changes in the Nasal Epithelium of Nonhuman Primates. <i>Environmental Health Perspectives</i> , 2013, 121, 339-344.	6.0	47
21	Influenza enhances caspase-1 in bronchial epithelial cells from asthmatic volunteers and is associated with pathogenesis. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 958-967.e14.	2.9	46
22	Metabolomic Characteristics of Arsenic-Associated Diabetes in a Prospective Cohort in Chihuahua, Mexico. <i>Toxicological Sciences</i> , 2015, 144, 338-346.	3.1	44
23	Comparative genomic analyses identify common molecular pathways modulated upon exposure to low doses of arsenic and cadmium. <i>BMC Genomics</i> , 2011, 12, 173.	2.8	43
24	Prenatal Arsenic Exposure and Shifts in the Newborn Proteome: Interindividual Differences in Tumor Necrosis Factor (TNF)-Responsive Signaling. <i>Toxicological Sciences</i> , 2014, 139, 328-337.	3.1	40
25	Benchmark Dose Modeling Estimates of the Concentrations of Inorganic Arsenic That Induce Changes to the Neonatal Transcriptome, Proteome, and Epigenome in a Pregnancy Cohort. <i>Chemical Research in Toxicology</i> , 2017, 30, 1911-1920.	3.3	38
26	Mixtures modeling identifies chemical inducers versus repressors of toxicity associated with wildfire smoke. <i>Science of the Total Environment</i> , 2021, 775, 145759.	8.0	37
27	A Toxicogenomic Comparison of Primary and Photochemically Altered Air Pollutant Mixtures. <i>Environmental Health Perspectives</i> , 2011, 119, 1583-1589.	6.0	33
28	Predictive modeling of biological responses in the rat liver using in vitro Tox21 bioactivity: Benefits from high-throughput toxicokinetics. <i>Computational Toxicology</i> , 2021, 18, 100166.	3.3	30
29	Airway cells from atopic asthmatic patients exposed to ozone display an enhanced innate immune gene profile. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 259-261.e2.	2.9	29
30	Developing novel in vitro methods for the risk assessment of developmental and placental toxicants in the environment. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114635.	2.8	29
31	Prenatal Exposure to Arsenic and Cadmium Impacts Infectious Disease-Related Genes within the Glucocorticoid Receptor Signal Transduction Pathway. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22374-22391.	4.1	27
32	DNA methylation in nasal epithelial cells from smokers: identification of ULBP3-related effects. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 305, L432-L438.	2.9	26
33	Systems Biology and Birth Defects Prevention: Blockade of the Glucocorticoid Receptor Prevents Arsenic-Induced Birth Defects. <i>Environmental Health Perspectives</i> , 2013, 121, 332-338.	6.0	26
34	Identification of Novel Gene Targets and Putative Regulators of Arsenic-Associated DNA Methylation in Human Urothelial Cells and Bladder Cancer. <i>Chemical Research in Toxicology</i> , 2015, 28, 1144-1155.	3.3	26
35	Identifying Attributes That Influence <i>In Vitro</i> to <i>In Vivo</i> Concordance by Comparing <i>In Vitro</i> Tox21 Bioactivity Versus <i>In Vivo</i> DrugMatrix Transcriptomic Responses Across 130 Chemicals. <i>Toxicological Sciences</i> , 2019, 167, 157-171.	3.1	25
36	Individuals with increased inflammatory response to ozone demonstrate muted signaling of immune cell trafficking pathways. <i>Respiratory Research</i> , 2012, 13, 89.	3.6	21

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37	High-Throughput Screening Data Interpretation in the Context of In Vivo Transcriptomic Responses to Oral Cr(VI) Exposure. <i>Toxicological Sciences</i> , 2017, 158, 199-212.	3.1	21
38	Integration of mechanistic and pharmacokinetic information to derive oral reference dose and margin of exposure values for hexavalent chromium. <i>Journal of Applied Toxicology</i> , 2018, 38, 351-365.	2.8	19
39	The Aryl Hydrocarbon Receptor Pathway: A Key Component of the microRNA-Mediated AML Signalosome. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 1939-1953.	2.6	18
40	A role for microRNAs in the epigenetic control of sexually dimorphic gene expression in the human placenta. <i>Epigenomics</i> , 2020, 12, 1543-1558.	2.1	18
41	Comparison of in vivo genotoxic and carcinogenic potency to augment mode of action analysis: Case study with hexavalent chromium. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 800-801, 28-34.	1.7	17
42	Benefit-risk analysis for foods (BRAFO): Evaluation of exposure to dietary nitrates. <i>Food and Chemical Toxicology</i> , 2018, 120, 709-723.	3.6	16
43	A Framework for Systematic Evaluation and Quantitative Integration of Mechanistic Data in Assessments of Potential Human Carcinogens. <i>Toxicological Sciences</i> , 2019, 167, 322-335.	3.1	16
44	Placental genomic and epigenomic signatures associated with infant birth weight highlight mechanisms involved in collagen and growth factor signaling. <i>Reproductive Toxicology</i> , 2020, 96, 221-230.	2.9	16
45	Wildfires and extracellular vesicles: Exosomal MicroRNAs as mediators of cross-tissue cardiopulmonary responses to biomass smoke. <i>Environment International</i> , 2022, 167, 107419.	10.0	14
46	Transcriptomic responses in the oral cavity of F344 rats and B6C3F1 mice following exposure to Cr(VI): Implications for risk assessment. <i>Environmental and Molecular Mutagenesis</i> , 2016, 57, 706-716.	2.2	13
47	A high dose mode of action for tetrabromobisphenol A-induced uterine adenocarcinomas in Wistar Han rats: A critical evaluation of key events in an adverse outcome pathway framework. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 77, 143-159.	2.7	13
48	Epigenetics in chemical-induced genotoxic carcinogenesis. <i>Current Opinion in Toxicology</i> , 2017, 6, 10-17.	5.0	10
49	Linking Coregulated Gene Modules with Polycyclic Aromatic Hydrocarbon-Related Cancer Risk in the 3D Human Bronchial Epithelium. <i>Chemical Research in Toxicology</i> , 2021, 34, 1445-1455.	3.3	10
50	Epigenetics: An overview of CpG methylation, chromatin remodeling, and regulatory/noncoding RNAs. <i>Toxicology</i> , 2020, 3, 3-32.		10
51	Analysis of the novel NCWELL database highlights two decades of co-occurrence of toxic metals in North Carolina private well water: Public health and environmental justice implications. <i>Science of the Total Environment</i> , 2022, 812, 151479.	8.0	10
52	Environmental mixtures and breast cancer: identifying co-exposure patterns between understudied vs breast cancer-associated chemicals using chemical inventory informatics. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 794-807.	3.9	10
53	Comparison of Gene Expression Responses in the Small Intestine of Mice Following Exposure to 3 Carcinogens Using the S1500+ Gene Set Informs a Potential Common Adverse Outcome Pathway. <i>Toxicologic Pathology</i> , 2019, 47, 851-864.	1.8	9
54	Comparing the Predictivity of Human Placental Gene, microRNA, and CpG Methylation Signatures in Relation to Perinatal Outcomes. <i>Toxicological Sciences</i> , 2021, 183, 269-284.	3.1	9

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55	Pre-pregnancy BMI-associated miRNA and mRNA expression signatures in the placenta highlight a sexually-dimorphic response to maternal underweight status. <i>Scientific Reports</i> , 2021, 11, 15743.	3.3	9
56	Biomarkers of Airway Immune Homeostasis Differ Significantly with Generation of E-Cigarettes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1248-1258.	5.6	9
57	Metabolites from midtrimester plasma of pregnant patients at high risk for preterm birth. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2021, 3, 100393.	2.6	8
58	Identifying the Transcriptional Response of Cancer and Inflammation-Related Genes in Lung Cells in Relation to Ambient Air Chemical Mixtures in Houston, Texas. <i>Environmental Science & Technology</i> , 2020, 54, 13807-13816.	10.0	7
59	Approaches to incorporate extracellular vesicles into exposure science, toxicology, and public health research. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 647-659.	3.9	7
60	A Collaborative Initiative to Establish Genomic Biomarkers for Assessing Tumorigenic Potential to Reduce Reliance on Conventional Rodent Carcinogenicity Studies. <i>Toxicological Sciences</i> , 2022, 188, 4-16.	3.1	7
61	Use of genome editing tools in environmental health research. <i>Current Opinion in Toxicology</i> , 2019, 18, 13-17.	5.0	6
62	Integrative exposomic, transcriptomic, epigenomic analyses of human placental samples links understudied chemicals to preeclampsia. <i>Environment International</i> , 2022, 167, 107385.	10.0	6
63	A hypothesis-driven weight-of-evidence analysis to evaluate potential endocrine activity of perfluorohexanoic acid. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 99, 168-181.	2.7	5
64	Nitric oxide-related gene and microRNA expression in peripheral blood in pregnancy vary by self-reported race. <i>Epigenetics</i> , 2022, 17, 731-745.	2.7	5
65	Chemical Mixtures in Household Environments: In Silico Predictions and In Vitro Testing of Potential Joint Action on PPAR γ in Human Liver Cells. <i>Toxics</i> , 2022, 10, 199.	3.7	5
66	Strengthening Causal Inference in Exposomics Research: Application of Genetic Data and Methods. <i>Environmental Health Perspectives</i> , 2022, 130, 55001.	6.0	5
67	The Role of Apoptosis-Associated Pathways as Responders to Contaminants and in Disease Progression. , 2015, , 187-205.		4
68	Mid-pregnancy maternal blood nitric oxide-related gene and miRNA expression are associated with preterm birth. <i>Epigenomics</i> , 2021, 13, 667-682.	2.1	4
69	Cytokine signature clusters as a tool to compare changes associated with tobacco product use in upper and lower airway samples. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L722-L736.	2.9	4
70	Development of the InTelligence And Machine LEarning (TAME) Toolkit for Introductory Data Science, Chemical-Biological Analyses, Predictive Modeling, and Database Mining for Environmental Health Research. <i>Frontiers in Toxicology</i> , 0, 4, .	3.1	4
71	Using liver models generated from human-induced pluripotent stem cells (iPSCs) for evaluating chemical-induced modifications and disease across liver developmental stages. <i>Toxicology in Vitro</i> , 2022, 83, 105412.	2.4	3
72	Prenatal exposure to toxic and essential metal/metalloid mixtures is associated with placental genomic signatures. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0