Brian N Chorley

List of Publications by Year
in descending order

45 papers	2,000 citations	279798 23 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	3616 citing authors

#	Article	IF	Citations
1	Identification of novel NRF2-regulated genes by ChIP-Seq: influence on retinoid X receptor alpha. Nucleic Acids Research, 2012, 40, 7416-7429.	14.5	459
2	Nrf2-regulated PPARÎ³ Expression Is Critical to Protection against Acute Lung Injury in Mice. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 170-182.	5.6	184
3	Identification of polymorphic antioxidant response elements in the human genome. Human Molecular Genetics, 2007, 16, 1188-1200.	2.9	147
4	Discovery and verification of functional single nucleotide polymorphisms in regulatory genomic regions: Current and developing technologies. Mutation Research - Reviews in Mutation Research, 2008, 659, 147-157.	5.5	142
5	Applying 'omics technologies in chemicals risk assessment: Report of an ECETOC workshop. Regulatory Toxicology and Pharmacology, 2017, 91, S3-S13.	2.7	102
6	Human Neutrophil Elastase Induces Hypersecretion of Mucin from Well-Differentiated Human Bronchial Epithelial Cells in Vitro via a Protein Kinase CÎ´-Mediated Mechanism. American Journal of Pathology, 2005, 167, 651-661.	3.8	101
7	Tipping the Balance: Hepatotoxicity and the 4 Apical Key Events of Hepatic Steatosis. Toxicological Sciences, 2016, 150, 261-268.	3.1	57
8	Genetic Variation and Antioxidant Response Gene Expression in the Bronchial Airway Epithelium of Smokers at Risk for Lung Cancer. PLoS ONE, 2010, 5, e11934.	2.5	55
9	MicroRNA Biomarkers of Toxicity in Biological Matrices. Toxicological Sciences, 2016, 152, 264-272.	3.1	54
10	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. Regulatory Toxicology and Pharmacology, 2021, 125, 105020.	2.7	46
11	Moving Toward Integrating Gene Expression Profiling Into High-Throughput Testing: A Gene Expression Biomarker Accurately Predicts Estrogen Receptor Î± Modulation in a Microarray Compendium. Toxicological Sciences, 2016, 151, 88-103.	3.1	45
12	A Polymorphic Antioxidant Response Element Links NRF2/sMAF Binding to Enhanced MAPT Expression and Reduced Risk of Parkinsonian Disorders. Cell Reports, 2016, 15, 830-842.	6.4	40
13	Probing the Functional Impact of Sequence Variation on p53-DNA Interactions Using a Novel Microsphere Assay for Protein-DNA Binding with Human Cell Extracts. PLoS Genetics, 2009, 5, e1000462.	3.5	39
14	Activation of Nrf2 in the liver is associated with stress resistance mediated by suppression of the growth hormone-regulated STAT5b transcription factor. PLoS ONE, 2018, 13, e0200004.	2.5	36
15	A generic Transcriptomics Reporting Framework (TRF) for â€˜omics data processing and analysis. Regulatory Toxicology and Pharmacology, 2017, 91, S36-S45.	2.7	35
16	Epigenetic Applications in Adverse Outcome Pathways and Environmental Risk Evaluation. Environmental Health Perspectives, 2018, 126, 045001.	6.0	35
17	Enhanced Expression of Mucin Genes in a Guinea Pig Model of Allergic Asthma. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 644-651.	2.9	34
18	Editorâ€™s Highlight: Doseâ€“Response Analysis of RNA-Seq Profiles in Archival Formalin-Fixed Paraffin-Embedded Samples. Toxicological Sciences, 2016, 154, 202-213.	3.1	31

#	ARTICLE	IF	CITATIONS
19	Editor's Highlight: Mechanistic Toxicity Tests Based on an Adverse Outcome Pathway Network for Hepatic Steatosis. Toxicological Sciences, 2017, 159, 159-169.	3.1	31
20	(R)-Albuterol Elicits Antiinflammatory Effects in Human Airway Epithelial Cells via iNOS. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 119-127.	2.9	26
21	Dose and Effect Thresholds for Early Key Events in a PPARα-Mediated Mode of Action. Toxicological Sciences, 2016, 149, 312-325.	3.1	26
22	Comparative Time Course Profiles of Phthalate Stereoisomers in Mice. Toxicological Sciences, 2014, 139, 21-34.	3.1	24
23	Ozone-Induced Vascular Contractility and Pulmonary Injury Are Differentially Impacted by Diets Enriched With Coconut Oil, Fish Oil, and Olive Oil. Toxicological Sciences, 2018, 163, 57-69.	3.1	23
24	Latent carcinogenicity of early-life exposure to dichloroacetic acid in mice. Carcinogenesis, 2015, 36, 782-791.	2.8	19
25	Mining a human transcriptome database for chemical modulators of NRF2. PLoS ONE, 2020, 15, e0239367.	2.5	19
26	Urinary miRNA Biomarkers of Drug-Induced Kidney Injury and Their Site Specificity Within the Nephron. Toxicological Sciences, 2021, 180, 1-16.	3.1	19
27	Identification of Androgen Receptor Modulators in a Prostate Cancer Cell Line Microarray Compendium. Toxicological Sciences, 2018, 166, 146-162.	3.1	16
28	Enhanced Quality Metrics for Assessing RNA Derived From Archival Formalin-Fixed Paraffin-Embedded Tissue Samples. Toxicological Sciences, 2019, 170, 357-373.	3.1	16
29	From the Cover: Genomic Effects of Androstenedione and Sex-Specific Liver Cancer Susceptibility in Mice. Toxicological Sciences, 2017, 160, 15-29.	3.1	15
30	Transplacental arsenic exposure produced 5-methylcytosine methylation changes and aberrant microRNA expressions in livers of male fetal mice. Toxicology, 2020, 435, 152409.	4.2	15
31	Methodological considerations for measuring biofluid-based microRNA biomarkers. Critical Reviews in Toxicology, 2021, 51, 264-282.	3.9	13
32	Circulating MicroRNAs, Polychlorinated Biphenyls, and Environmental Liver Disease in the Anniston Community Health Survey. Environmental Health Perspectives, 2022, 130, 17003.	6.0	12
33	Ozone-induced fetal growth restriction in rats is associated with sexually dimorphic placental and fetal metabolic adaptation. Molecular Metabolism, 2020, 42, 101094.	6.5	11
34	Developing a Gene Biomarker at the Tipping Point of Adaptive and Adverse Responses in Human Bronchial Epithelial Cells. PLoS ONE, 2016, 11, e0155875.	2.5	11
35	The cellular and genomic response of rat dopaminergic neurons (N27) to coated nanosilver. NeuroToxicology, 2014, 45, 12-21.	3.0	10
36	Metabolic Disruption Early in Life is Associated With Latent Carcinogenic Activity of Dichloroacetic Acid in Mice. Toxicological Sciences, 2017, 159, 354-365.	3.1	9

#	Article	IF	Citations
37	Procedure and Key Optimization Strategies for an Automated Capillary Electrophoretic-based Immunoassay Method. Journal of Visualized Experiments, 2017, , .	0.3	9
38	Early microRNA indicators of PPARÎ± pathway activation in the liver. Toxicology Reports, 2020, 7, 805-815.	3.3	9
39	A gene expression biomarker identifies factors that modulate sterol regulatory element binding protein. Computational Toxicology, 2019, 10, 63-77.	3.3	7
40	Fish oil and olive oil-enriched diets alleviate acute ozone-induced cardiovascular effects in rats. Toxicology and Applied Pharmacology, 2020, 409, 115296.	2.8	6
41	The Physicochemistry of Capped Nanosilver Predicts Its Biological Activity in Rat Brain Endothelial Cells (RBEC4). ACS Sustainable Chemistry and Engineering, 2014, 2, 1566-1573.	6.7	4
42	Genomic comparisons between hepatocarcinogenic and non-hepatocarcinogenic organophosphate insecticides in the mouse liver. Toxicology, 2022, 465, 153046.	4.2	4
43	Identification of differentially expressed genes and networks related to hepatic lipid dysfunction. Toxicology and Applied Pharmacology, 2019, 382, 114757.	2.8	2
44	Integrated Omic Analyses Identify Pathways and Transcriptomic Regulators Associated With Chemical Alterations of <i>In Vitro</i> Neural Network Formation. Toxicological Sciences, 2022, 186, 118-133.	3.1	2
45	The Role of Noncoding RNAs in Gene Regulation. , 2019, , 217-235.		0