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Toxicogenomic profiling of chemically exposed humans in risk assessment

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#	Paper	IF	Citations
53	Epidemiology. Environment and disease risks. <i>Science</i> , 2010 , 330, 460-1	33.3	490
52	The Comparative Toxicogenomics Database: update 2011. <i>Nucleic Acids Research</i> , 2011 , 39, D1067-72	20.1	192
51	A toxicogenomic comparison of primary and photochemically altered air pollutant mixtures. <i>Environmental Health Perspectives</i> , 2011 , 119, 1583-9	8.4	28
50	Computational methods for early predictive safety assessment from biological and chemical data. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2011 , 7, 1497-511	5.5	23
49	Browsing large-scale cheminformatics data with dimension reduction. <i>Concurrency Computation Practice and Experience</i> , 2011 , 23, 2315-2325	1.4	1
48	Moving forward in human cancer risk assessment. <i>Environmental Health Perspectives</i> , 2011 , 119, 739-43	8.4	22
47	Global gene expression profiling of a population exposed to a range of benzene levels. <i>Environmental Health Perspectives</i> , 2011 , 119, 628-34	8.4	82
46	The Application of Preclinical Toxicogenomics for Predicting and Understanding Drug-Induced Toxicity and Metabolism. 2012 , 1		
45	Current understanding of the mechanism of benzene-induced leukemia in humans: implications for risk assessment. <i>Carcinogenesis</i> , 2012 , 33, 240-52	4.6	196
44	RNA-Seq provides new insights in the transcriptome responses induced by the carcinogen benzo[a]pyrene. <i>Toxicological Sciences</i> , 2012 , 130, 427-39	4.4	59
43	Uses of Publicly Available Data in Risk Assessment. 2013 , 151-169		
42	Measuring the exposome: a powerful basis for evaluating environmental exposures and cancer risk. <i>Environmental and Molecular Mutagenesis</i> , 2013 , 54, 480-99	3.2	142
41	Discovery of a characteristic molecular signature by microarray analysis of whole-blood gene expression in workers exposed to volatile organic compounds. <i>Biochip Journal</i> , 2013 , 7, 112-135	4	3
40	Analysis of the transcriptome in molecular epidemiology studies. <i>Environmental and Molecular Mutagenesis</i> , 2013 , 54, 500-17	3.2	26
39	Expression profiling of selected genes of toxication and detoxication pathways in peripheral blood lymphocytes as a biomarker for predicting toxicity of environmental chemicals. <i>International Journal of Hygiene and Environmental Health</i> , 2013 , 216, 645-51	6.9	11
38	Performance in omics analyses of blood samples in long-term storage: opportunities for the exploitation of existing biobanks in environmental health research. <i>Environmental Health Perspectives</i> , 2013 , 121, 480-7	8.4	111
37	Systems biology in drug discovery and development. <i>Drug Discovery Today</i> , 2014 , 19, 113-25	8.8	62

36	Elimination of heparin interference during microarray processing of fresh and biobank-archived blood samples. <i>Environmental and Molecular Mutagenesis</i> , 2014 , 55, 482-91	3.2	4
35	Deep sequencing-based transcriptome profiling analysis of <i>Chlamys farreri</i> exposed to benzo[a]pyrene. <i>Gene</i> , 2014 , 551, 261-70	3.8	26
34	Humane Care and Use of Laboratory Animals in Toxicology Research. 2014 , 1049-1106		3
33	Aromatic Hydrocarbons. 2015 , 581-614		
32	Much ado about omics: welcome to [the permutome]. <i>Journal of Evaluation in Clinical Practice</i> , 2015 , 21, 1018-21	2.5	5
31	Approaches and perspectives to toxicogenetics and toxicogenomics. <i>Revista Facultad De Medicina</i> , 2015 , 62, 605-615	0.4	2
30	17β-Ethinylestradiol (EE2) effect on global gene expression in primary rainbow trout (<i>Oncorhynchus mykiss</i>) hepatocytes. <i>Aquatic Toxicology</i> , 2015 , 169, 90-104	5.1	24
29	Systems Biology and Biomarkers of Early Effects for Occupational Exposure Limit Setting. <i>Journal of Occupational and Environmental Hygiene</i> , 2015 , 12 Suppl 1, S41-54	2.9	27
28	Cumulative risk assessment lessons learned: a review of case studies and issue papers. <i>Chemosphere</i> , 2015 , 120, 697-705	8.4	35
27	Polypharmacology modelling using proteochemometrics (PCM): recent methodological developments, applications to target families, and future prospects. <i>MedChemComm</i> , 2015 , 6, 24-50	5	74
26	How Consistent are Publicly Reported Cytotoxicity Data? Large-Scale Statistical Analysis of the Concordance of Public Independent Cytotoxicity Measurements. <i>ChemMedChem</i> , 2016 , 11, 57-71	3.7	19
25	Nrf2-related gene expression and exposure to traffic-related air pollution in elderly subjects with cardiovascular disease: An exploratory panel study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016 , 26, 141-9	6.7	34
24	Peripheral blood collection: the first step towards gene expression profiling. <i>Biomarkers</i> , 2016 , 21, 458-656	6.5	10
23	La pharmacotoxicogénétique et ses applications médicales. <i>Revue Francophone Des Laboratoires</i> , 2016 , 2016, 51-58	0	
22	Toxicogenomic analysis of the pulmonary toxic effects of hexanal in F344 rat. <i>Environmental Toxicology</i> , 2017 , 32, 382-396	4.2	6
21	Barriers to the use of toxicogenomics data in human health risk assessment: A survey of Canadian risk assessors. <i>Regulatory Toxicology and Pharmacology</i> , 2017 , 85, 119-123	3.4	13
20	Applying evolutionary genetics to developmental toxicology and risk assessment. <i>Reproductive Toxicology</i> , 2017 , 69, 174-186	3.4	6
19	Biosensors and Bioassays for Environmental Monitoring. <i>Comprehensive Analytical Chemistry</i> , 2017 , 77, 337-383	1.9	4

18	Availability, Quality, and Relevance of Toxicogenomics Data for Human Health Risk Assessment: A Scoping Review of the Literature on Trihalomethanes. <i>Toxicological Sciences</i> , 2018 , 163, 364-373	4.4	9
17	Comparative transcriptome analysis between the short-term stress and long-term adaptation of the <i>Ruditapes philippinarum</i> in response to benzo[a]pyrene. <i>Aquatic Toxicology</i> , 2018 , 204, 59-69	5.1	6
16	Considerations of Human Health Risk Assessment in Chemical Accident: Suggestions from a Toxicogenomic Approach. <i>Toxicology and Environmental Health Sciences</i> , 2018 , 10, 79-89	1.9	1
15	Chemical-Induced Phenotypes at CTD Help Inform the Predisease State and Construct Adverse Outcome Pathways. <i>Toxicological Sciences</i> , 2018 , 165, 145-156	4.4	3 ¹
14	Biomonitoring Exposures to Carcinogens. 2019 , 789-805		2
13	Multi-omics approaches for understanding environmental exposure and human health. <i>Molecular and Cellular Toxicology</i> , 2019 , 15, 1-7	1.6	2 ¹
12	A Comparative Analysis of the Molecular Interaction Techniques for In Silico Drug Design. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 209-223	2.1	2
11	Transcriptome responses in blood reveal distinct biological pathways associated with arsenic exposure through drinking water in rural settings of Punjab, Pakistan. <i>Environment International</i> , 2020 , 135, 105403	12.9	6
10	Post-transcriptional air pollution oxidation to the cholesterol biosynthesis pathway promotes pulmonary stress phenotypes. <i>Communications Biology</i> , 2020 , 3, 392	6.7	5
9	DNA methylome signatures as epigenetic biomarkers of hexanal associated with lung toxicity. <i>PeerJ</i> , 2021 , 9, e10779	3.1	
8	CHAPTER 5:Computers Instead of Cells: Computational Modeling of Chemical Toxicity. <i>Issues in Toxicology</i> , 2013 , 163-182	0.3	1
7	Supporting read-across using biological data. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016 , 33, 167-82	4.3	5 ⁸
6	General considerations. 2012 , 1-11		
5	Molecular Epidemiology Focused on Airborne Carcinogens. <i>Molecular and Integrative Toxicology</i> , 2015 , 185-212	0.5	
4	Chapter 11:Application of Transcriptomics in Exposed Human Populations: Benzene as an Example. <i>Issues in Toxicology</i> , 2016 , 352-389	0.3	1
3	CHAPTER 7:Toxicogenomics and Toxicoinformatics: Supporting Systems Biology in the Big Data Era. <i>Issues in Toxicology</i> , 2019 , 214-241	0.3	
2	Towards a toxic-free environment: perspectives for chemical risk assessment approaches.. <i>Medicina Del Lavoro</i> , 2022 , 113, e2022004	1.9	1
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