Carolyn J Mattingly

List of Publications by Year in Descending Order

59 papers	3,948 citations	31 h-index	62 g-index
62 ext. papers	4,950 ext. citations	6.5 avg, IF	5.62 L-index

#	Paper	IF	Citations
59	Comparative Toxicogenomics Database (CTD): update 2021. *Nucleic Acids Research*, **2021**, 49, D1138-D1143	2.81	159
58	CTD Anatomy: analyzing chemical-induced phenotypes and exposures from an anatomical perspective, with implications for environmental health studies. *Current Research in Toxicology*, **2021**, 2, 128-139	2.7	10
57	Regulatory Status of Pesticide Residues in Cannabis: Implications to Medical Use in Neurological Diseases. *Current Research in Toxicology*, **2021**, 2, 140-148	2.7	2
56	Predicting molecular mechanisms, pathways, and health outcomes induced by Juul e-cigarette aerosol chemicals using the Comparative Toxicogenomics Database. *Current Research in Toxicology*, **2021**, 2, 272-281	2.7	5
55	Beyond the looking glass: recent advances in understanding the impact of environmental exposures on neuropsychiatric disease. *Neuropsychopharmacology*, **2020**, 45, 1086-1096	8.7	27
54	Leveraging the Comparative Toxicogenomics Database to Fill in Knowledge Gaps for Environmental Health: A Test Case for Air Pollution-induced Cardiovascular Disease. *Toxicological Sciences*, **2020**, 177, 392-404	4.4	12
53	Public data sources to support systems toxicology applications. *Current Opinion in Toxicology*, **2019**, 16, 17-24	4.4	6
52	Integration of curated and high-throughput screening data to elucidate environmental influences on disease pathways. *Computational Toxicology*, **2019**, 12,	3.1	8
51	Cadmium exposure and methylation differences between Whites and African Americans in the NEST Cohort. *Environmental Epigenetics*, **2019**, 5, dvz014	2.4	5
50	The Comparative Toxicogenomics Database: update 2019. *Nucleic Acids Research*, **2019**, 47, D948-D954	20.1	488
49	Heavy Metal Exposure and Metabolic Syndrome: Evidence from Human and Model System Studies. *Current Environmental Health Reports*, **2018**, 5, 110-124	6.5	64
48	Cadmium exposure increases the risk of juvenile obesity: a human and zebrafish comparative study. *International Journal of Obesity*, **2018**, 42, 1285-1295	5.5	32
47	Chemical-Induced Phenotypes at CTD Help Inform the Predisease State and Construct Adverse Outcome Pathways. *Toxicological Sciences*, **2018**, 165, 145-156	4.4	31
46	Accessing an Expanded Exposure Science Module at the Comparative Toxicogenomics Database. *Environmental Health Perspectives*, **2018**, 126, 014501	8.4	41
45	Informatics and Data Analytics to Support Exposome-Based Discovery for Public Health. *Annual Review of Public Health*, **2017**, 38, 279-294	20.6	68
44	Applying evolutionary genetics to developmental toxicology and risk assessment. *Reproductive Toxicology*, **2017**, 69, 174-186	3.4	6
43	From the Cover: Embryonic Exposure to TCDD Impacts Osteogenesis of the Axial Skeleton in Japanese medaka, Oryzias latipes. *Toxicological Sciences*, **2017**, 155, 485-496	4.4	17

42	The Comparative Toxicogenomics Database: update 2017. *Nucleic Acids Research*, **2017**, 45, D972-D978	20.1	402
41	Assessing the state of the art in biomedical relation extraction: overview of the BioCreative V chemical-disease relation (CDR) task. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	85
40	Generating Gene Ontology-Disease Inferences to Explore Mechanisms of Human Disease at the Comparative Toxicogenomics Database. *PLoS ONE*, **2016**, 11, e0155530	3.7	20
39	Advancing Exposure Science through Chemical Data Curation and Integration in the Comparative Toxicogenomics Database. *Environmental Health Perspectives*, **2016**, 124, 1592-1599	8.4	28
38	Laying a Community-Based Foundation for Data-Driven Semantic Standards in Environmental Health Sciences. *Environmental Health Perspectives*, **2016**, 124, 1136-40	8.4	15
37	Advancing toxicology research using in vivo high throughput toxicology with small fish models. *ALTEX: Alternatives To Animal Experimentation*, **2016**, 33, 435-452	4.3	34
36	BioCreative V CDR task corpus: a resource for chemical disease relation extraction. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	129
35	The Comparative Toxicogenomics Database's 10th year anniversary: update 2015. *Nucleic Acids Research*, **2015**, 43, D914-20	20.1	288
34	Web services-based text-mining demonstrates broad impacts for interoperability and process simplification. *Database: the Journal of Biological Databases and Curation*, **2014**, 2014,	5	19
33	BioC interoperability track overview. *Database: the Journal of Biological Databases and Curation*, **2014**, 2014,	5	13
32	A CTD-Pfizer collaboration: manual curation of 88,000 scientific articles text mined for drug-disease and drug-phenotype interactions. *Database: the Journal of Biological Databases and Curation*, **2013**, 2013, bat080	5	72
31	The Comparative Toxicogenomics Database: update 2013. *Nucleic Acids Research*, **2013**, 41, D1104-14	20.1	294
30	Text mining effectively scores and ranks the literature for improving chemical-gene-disease curation at the comparative toxicogenomics database. *PLoS ONE*, **2013**, 8, e58201	3.7	52
29	Providing the missing link: the exposure science ontology ExO. *Environmental Science & Technology*, **2012**, 46, 3046-53	10.3	45
28	Aquatic models, genomics and chemical risk management. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2012**, 155, 169-73	3.2	8
27	Ranking transitive chemical-disease inferences using local network topology in the comparative toxicogenomics database. *PLoS ONE*, **2012**, 7, e46524	3.7	35
26	Targeted journal curation as a method to improve data currency at the Comparative Toxicogenomics Database. *Database: the Journal of Biological Databases and Curation*, **2012**, 2012, bas051	5	8
25	Collaborative biocuration--text-mining development task for document prioritization for curation. *Database: the Journal of Biological Databases and Curation*, **2012**, 2012, bas037	5	30

24	MEDIC: a practical disease vocabulary used at the Comparative Toxicogenomics Database. *Database: the Journal of Biological Databases and Curation*, **2012**, 2012, bar065	5	100
23	Disease model curation improvements at Mouse Genome Informatics. *Database: the Journal of Biological Databases and Curation*, **2012**, 2012, bar063	5	10
22	The curation paradigm and application tool used for manual curation of the scientific literature at the Comparative Toxicogenomics Database. *Database: the Journal of Biological Databases and Curation*, **2011**, 2011, bar034	5	31
21	The Comparative Toxicogenomics Database: update 2011. *Nucleic Acids Research*, **2011**, 39, D1067-72	20.1	192
20	DiseaseComps: a metric that discovers similar diseases based upon common toxicogenomic profiles at CTD. *Bioinformation*, **2011**, 7, 154-6	1.1	7
19	2,3,7,8-Tetrachlorodibenzo-p-dioxin upregulates FoxQ1b in zebrafish jaw primordium. *Chemical Research in Toxicology*, **2010**, 23, 480-7	4	38
18	Comparative Toxicogenomics Database: a knowledgebase and discovery tool for chemical-gene-disease networks. *Nucleic Acids Research*, **2009**, 37, D786-92	20.1	210
17	Perturbation of defense pathways by low-dose arsenic exposure in zebrafish embryos. *Environmental Health Perspectives*, **2009**, 117, 981-7	8.4	44
16	Text mining and manual curation of chemical-gene-disease networks for the comparative toxicogenomics database (CTD). *BMC Bioinformatics*, **2009**, 10, 326	3.6	97
15	Genetic and environmental pathways to complex diseases. *BMC Systems Biology*, **2009**, 3, 46	3.5	62
14	Chemical databases for environmental health and clinical research. *Toxicology Letters*, **2009**, 186, 62-5	4.4	14
13	GeneComps and ChemComps: a new CTD metric to identify genes and chemicals with shared toxicogenomic profiles. *Bioinformation*, **2009**, 4, 173-4	1.1	12
12	An evaluation of information content as a metric for the inference of putative conserved noncoding regions in DNA sequences using a genetic algorithms approach. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2008**, 5, 1-14	3	17
11	The Comparative Toxicogenomics Database facilitates identification and understanding of chemical-gene-disease associations: arsenic as a case study. *BMC Medical Genomics*, **2008**, 1, 48	3.7	53
10	It‰ not junk!. *ACM SIGEVOlution*, **2008**, 3, 5-16	0.1	
9	**2007**,		1
8	The comparative toxicogenomics database: a cross-species resource for building chemical-gene interaction networks. *Toxicological Sciences*, **2006**, 92, 587-95	4.4	105
7	Cell and molecular biology of marine elasmobranchs: Squalus acanthias and Raja erinacea. *Zebrafish* , **2004**, 1, 111-20	2	16

6	Promoting comparative molecular studies in environmental health research: an overview of the comparative toxicogenomics database (CTD). *Pharmacogenomics Journal*, **2004**, 4, 5-8	3.5	29
5	Marine organism cell biology and regulatory sequence discoveryin comparative functional genomics. *Cytotechnology*, **2004**, 46, 123-37	2.2	5
4	The Comparative Toxicogenomics Database (CTD). *Environmental Health Perspectives*, **2003**, 111, 793-5	8.4	147
3	Posttranscriptional silencing of cytochrome P4501A1 (CYP1A1) during zebrafish (Danio rerio) development. *Developmental Dynamics*, **2001**, 222, 645-54	2.9	48
2	Green fluorescent protein (GFP) as a marker of aryl hydrocarbon receptor (AhR) function in developing zebrafish (Danio rerio). *Environmental Health Perspectives*, **2001**, 109, 845-9	8.4	69
1	Estrogen receptor reduces CYP1A1 induction in cultured human endometrial cells. *Journal of Biological Chemistry*, **1999**, 274, 3430-8	5.4	65