Carolyn J Mattingly

List of Publications by Year
in descending order

61	5,725	126708	138251
papers	citations	33 h-index	58 g-index

62	62	62	6695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative Toxicogenomics Database (CTD): update 2021. Nucleic Acids Research, 2021, 49, D1138-D1143.	6.5	625
2	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.	1.3	27
3	Regulatory status of pesticide residues in cannabis: Implications to medical use in neurological diseases. Current Research in Toxicology, 2021, 2, 140-148.	1.3	10
4	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.	1.3	35
5	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.	1.4	25
6	Beyond the looking glass: recent advances in understanding the impact of environmental exposures on neuropsychiatric disease. Neuropsychopharmacology, 2020, 45, 1086-1096.	2.8	39
7	Integration of curated and high-throughput screening data to elucidate environmental influences on disease pathways. Computational Toxicology, 2019, 12, 100094.	1.8	13
8	Cadmium exposure and MEG3 methylation differences between Whites and African Americans in the NEST Cohort. Environmental Epigenetics, 2019, 5, dvz014.	0.9	12
9	Public data sources to support systems toxicology applications. Current Opinion in Toxicology, 2019, 16, 17-24.	2.6	10
10	The Comparative Toxicogenomics Database: update 2019. Nucleic Acids Research, 2019, 47, D948-D954.	6.5	731
11	Heavy Metal Exposure and Metabolic Syndrome: Evidence from Human and Model System Studies. Current Environmental Health Reports, 2018, 5, 110-124.	3.2	114
12	Cadmium exposure increases the risk of juvenile obesity: a human and zebrafish comparative study. International Journal of Obesity, 2018, 42, 1285-1295.	1.6	54
13	Accessing an Expanded Exposure Science Module at the Comparative Toxicogenomics Database. Environmental Health Perspectives, 2018, 126, 014501.	2.8	52
14	Chemical-Induced Phenotypes at CTD Help Inform the Predisease State and Construct Adverse Outcome Pathways. Toxicological Sciences, 2018, 165, 145-156.	1.4	41
15	Informatics and Data Analytics to Support Exposome-Based Discovery for Public Health. Annual Review of Public Health, 2017, 38, 279-294.	7.6	97
16	Applying evolutionary genetics to developmental toxicology and risk assessment. Reproductive Toxicology, 2017, 69, 174-186.	1.3	15
17	From the Cover: Embryonic Exposure to TCDD Impacts Osteogenesis of the Axial Skeleton in Japanese medaka,Oryzias latipes. Toxicological Sciences, 2017, 155, 485-496.	1.4	22
18	The Comparative Toxicogenomics Database: update 2017. Nucleic Acids Research, 2017, 45, D972-D978.	6.5	526

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19	Advancing Exposure Science through Chemical Data Curation and Integration in the Comparative Toxicogenomics Database. Environmental Health Perspectives, 2016, 124, 1592-1599.	2.8	39
20	Laying a Community-Based Foundation for Data-Driven Semantic Standards in Environmental Health Sciences. Environmental Health Perspectives, 2016, 124, 1136-1140.	2.8	21
21	Advancing toxicology research using in vivo high throughput toxicology with small fish models. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 435-452.	0.9	48
22	BioCreative V CDR task corpus: a resource for chemical disease relation extraction. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw068.	1.4	350
23	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, .	1.4	123
24	Generating Gene Ontology-Disease Inferences to Explore Mechanisms of Human Disease at the Comparative Toxicogenomics Database. PLoS ONE, 2016, 11, e0155530.	1.1	24
25	The Comparative Toxicogenomics Database's 10th year anniversary: update 2015. Nucleic Acids Research, 2015, 43, D914-D920.	6.5	342
26	Web services-based text-mining demonstrates broad impacts for interoperability and process simplification. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau050-bau050.	1.4	19
27	BioC interoperability track overview. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau053-bau053.	1.4	15
28	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-bat080.	1.4	88
29	The Comparative Toxicogenomics Database: update 2013. Nucleic Acids Research, 2013, 41, D1104-D1114.	6.5	371
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.	1.1	66
31	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.	1.4	11
32	Collaborative biocuration--text-mining development task for document prioritization for curation. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas037-bas037.	1.4	33
33	MEDIC: a practical disease vocabulary used at the Comparative Toxicogenomics Database. Database: the Journal of Biological Databases and Curation, 2012, 2012, bar065-bar065.	1.4	136
34	BioCreative-2012 Virtual Issue. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas049-bas049.	1.4	19
35	Disease model curation improvements at Mouse Genome Informatics. Database: the Journal of Biological Databases and Curation, 2012, 2012, bar063-bar063.	1.4	10
36	Providing the Missing Link: the Exposure Science Ontology ExO. Environmental Science & Technology, 2012, 46, 3046-3053.	4.6	57

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37	Aquatic models, genomics and chemical risk management. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 169-173.	1.3	10
38	Ranking Transitive Chemical-Disease Inferences Using Local Network Topology in the Comparative Toxicogenomics Database. PLoS ONE, 2012, 7, e46524.	1.1	42
39	The Comparative Toxicogenomics Database: update 2011. Nucleic Acids Research, 2011, 39, D1067-D1072.	6.5	220
40	ExO: An Ontology for Exposure Science. Nature Precedings, 2011, , .	0.1	0
41	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-bar034.	1.4	35
42	DiseaseComps: a metric that discovers similar diseases based upon common toxicogenomic profiles at CTD. Bioinformation, 2011, 7, 154-156.	0.2	9
43	2,3,7,8-Tetrachlorodibenzo-p-dioxin Upregulates FoxQ1b in Zebrafish Jaw Primordium. Chemical Research in Toxicology, 2010, 23, 480-487.	1.7	41
44	Comparative Toxicogenomics Database: a knowledgebase and discovery tool for chemical-gene-disease networks. Nucleic Acids Research, 2009, 37, D786-D792.	6.5	246
45	Perturbation of Defense Pathways by Low-Dose Arsenic Exposure in Zebrafish Embryos. Environmental Health Perspectives, 2009, 117, 981-987.	2.8	49
46	Text mining and manual curation of chemical-gene-disease networks for the Comparative Toxicogenomics Database (CTD). BMC Bioinformatics, 2009, 10, 326.	1.2	104
47	Genetic and environmental pathways to complex diseases. BMC Systems Biology, 2009, 3, 46.	3.0	65
48	Chemical databases for environmental health and clinical research. Toxicology Letters, 2009, 186, 62-65.	0.4	15
49	GeneComps and ChemComps: a new CTD metric to identify genes and chemicals with shared toxicogenomic profiles. Bioinformation, 2009, 4, 173-174.	0.2	13
50	The Comparative Toxicogenomics Database facilitates identification and understanding of chemical-gene-disease associations: arsenic as a case study. BMC Medical Genomics, 2008, 1, 48.	0.7	60
51	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.	1.9	30
52	It's not junk!. ACM SIGEVOlution, 2008, 3, 5-16.	0.3	0
53	Towards Interactive Visualization for Exploring Conserved Motifs in Noncoding DNA Sequence. , 2007, , .		1
54	The Comparative Toxicogenomics Database: A Cross-Species Resource for Building Chemical-Gene Interaction Networks. Toxicological Sciences, 2006, 92, 587-595.	1.4	121

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55	Cell and Molecular Biology of Marine Elasmobranchs: Squalus acanthias and Raja erinacea. Zebrafish, 2004, 1, 111-120.	0.5	17
56	Promoting comparative molecular studies in environmental health research: an overview of the comparative toxicogenomics database (CTD). Pharmacogenomics Journal, 2004, 4, 5-8.	0.9	36
57	Marine Organism Cell Biology and Regulatory Sequence Discoveryin Comparative Functional Genomics. Cytotechnology, 2004, 46, 123-137.	0.7	5
58	The Comparative Toxicogenomics Database (CTD).. Environmental Health Perspectives, 2003, 111, 793-795.	2.8	188
59	Green fluorescent protein (GFP) as a marker of aryl hydrocarbon receptor (AhR) function in developing zebrafish (Danio rerio).. Environmental Health Perspectives, 2001, 109, 845-849.	2.8	74
60	Posttranscriptional silencing of cytochrome P4501A1 (CYP1A1) during zebrafish (Danio rerio) development. Developmental Dynamics, 2001, 222, 645-654.	0.8	48
61	Estrogen Receptor Reduces CYP1A1 Induction in Cultured Human Endometrial Cells. Journal of Biological Chemistry, 1999, 274, 3430-3438.	1.6	76