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List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,725
citations

126708

33
h-index

138251

58
g-index

62
all docs

62
docs citations

62
times ranked

6695
citing authors

#	ARTICLE	IF	CITATIONS
1	The Comparative Toxicogenomics Database: update 2019. <i>Nucleic Acids Research</i> , 2019, 47, D948-D954.	6.5	731
2	Comparative Toxicogenomics Database (CTD): update 2021. <i>Nucleic Acids Research</i> , 2021, 49, D1138-D1143.	6.5	625
3	The Comparative Toxicogenomics Database: update 2017. <i>Nucleic Acids Research</i> , 2017, 45, D972-D978.	6.5	526
4	The Comparative Toxicogenomics Database: update 2013. <i>Nucleic Acids Research</i> , 2013, 41, D1104-D1114.	6.5	371
5	BioCreative V CDR task corpus: a resource for chemical disease relation extraction. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw068.	1.4	350
6	The Comparative Toxicogenomics Database's 10th year anniversary: update 2015. <i>Nucleic Acids Research</i> , 2015, 43, D914-D920.	6.5	342
7	Comparative Toxicogenomics Database: a knowledgebase and discovery tool for chemical-gene-disease networks. <i>Nucleic Acids Research</i> , 2009, 37, D786-D792.	6.5	246
8	The Comparative Toxicogenomics Database: update 2011. <i>Nucleic Acids Research</i> , 2011, 39, D1067-D1072.	6.5	220
9	The Comparative Toxicogenomics Database (CTD).. <i>Environmental Health Perspectives</i> , 2003, 111, 793-795.	2.8	188
10	MEDIC: a practical disease vocabulary used at the Comparative Toxicogenomics Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bar065-bar065.	1.4	136
11	Assessing the state of the art in biomedical relation extraction: overview of the BioCreative V chemical-disease relation (CDR) task. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, .	1.4	123
12	The Comparative Toxicogenomics Database: A Cross-Species Resource for Building Chemical-Gene Interaction Networks. <i>Toxicological Sciences</i> , 2006, 92, 587-595.	1.4	121
13	Heavy Metal Exposure and Metabolic Syndrome: Evidence from Human and Model System Studies. <i>Current Environmental Health Reports</i> , 2018, 5, 110-124.	3.2	114
14	Text mining and manual curation of chemical-gene-disease networks for the Comparative Toxicogenomics Database (CTD). <i>BMC Bioinformatics</i> , 2009, 10, 326.	1.2	104
15	Informatics and Data Analytics to Support Exposome-Based Discovery for Public Health. <i>Annual Review of Public Health</i> , 2017, 38, 279-294.	7.6	97
16	A CTD-Pfizer collaboration: manual curation of 88 000 scientific articles text mined for drug-disease and drug-phenotype interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat080-bat080.	1.4	88
17	Estrogen Receptor Reduces CYP1A1 Induction in Cultured Human Endometrial Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 3430-3438.	1.6	76
18	Green fluorescent protein (GFP) as a marker of aryl hydrocarbon receptor (AhR) function in developing zebrafish (<i>Danio rerio</i>).. <i>Environmental Health Perspectives</i> , 2001, 109, 845-849.	2.8	74

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19	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
20	Genetic and environmental pathways to complex diseases. BMC Systems Biology, 2009, 3, 46.	3.0	65
21	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
22	Providing the Missing Link: the Exposure Science Ontology ExO. Environmental Science & Technology, 2012, 46, 3046-3053.	4.6	57
23	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
24	Accessing an Expanded Exposure Science Module at the Comparative Toxicogenomics Database. Environmental Health Perspectives, 2018, 126, 014501.	2.8	52
25	Perturbation of Defense Pathways by Low-Dose Arsenic Exposure in Zebrafish Embryos. Environmental Health Perspectives, 2009, 117, 981-987.	2.8	49
26	Posttranscriptional silencing of cytochrome P4501A1 (CYP1A1) during zebrafish (Danio rerio) development. Developmental Dynamics, 2001, 222, 645-654.	0.8	48
27	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
28	Ranking Transitive Chemical-Disease Inferences Using Local Network Topology in the Comparative Toxicogenomics Database. PLoS ONE, 2012, 7, e46524.	1.1	42
29	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin Upregulates <i>FoxQ1b</i> in Zebrafish Jaw Primordium. Chemical Research in Toxicology, 2010, 23, 480-487.	1.7	41
30	Chemical-Induced Phenotypes at CTD Help Inform the Predisease State and Construct Adverse Outcome Pathways. Toxicological Sciences, 2018, 165, 145-156.	1.4	41
31	Advancing Exposure Science through Chemical Data Curation and Integration in the Comparative Toxicogenomics Database. Environmental Health Perspectives, 2016, 124, 1592-1599.	2.8	39
32	Beyond the looking glass: recent advances in understanding the impact of environmental exposures on neuropsychiatric disease. Neuropsychopharmacology, 2020, 45, 1086-1096.	2.8	39
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	Generating Gene Ontology-Disease Inferences to Explore Mechanisms of Human Disease at the Comparative Toxicogenomics Database. PLoS ONE, 2016, 11, e0155530.	1.1	24
41	From the Cover: Embryonic Exposure to TCDD Impacts Osteogenesis of the Axial Skeleton in Japanese medaka, <i>Oryzias latipes</i> . Toxicological Sciences, 2017, 155, 485-496.	1.4	22
42	Laying a Community-Based Foundation for Data-Driven Semantic Standards in Environmental Health Sciences. Environmental Health Perspectives, 2016, 124, 1136-1140.	2.8	21
43	BioCreative-2012 Virtual Issue. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas049-bas049.	1.4	19
44	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
45	Cell and Molecular Biology of Marine Elasmobranchs: <i>Squalus acanthias</i> and <i>Raja erinacea</i> . Zebrafish, 2004, 1, 111-120.	0.5	17
46	Chemical databases for environmental health and clinical research. Toxicology Letters, 2009, 186, 62-65.	0.4	15
47	BioC interoperability track overview. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau053-bau053.	1.4	15
48	Applying evolutionary genetics to developmental toxicology and risk assessment. Reproductive Toxicology, 2017, 69, 174-186.	1.3	15
49	Integration of curated and high-throughput screening data to elucidate environmental influences on disease pathways. Computational Toxicology, 2019, 12, 100094.	1.8	13
50	GeneComps and ChemComps: a new CTD metric to identify genes and chemicals with shared toxicogenomic profiles. Bioinformatics, 2009, 4, 173-174.	0.2	13
51	Cadmium exposure and MEG3 methylation differences between Whites and African Americans in the NEST Cohort. Environmental Epigenetics, 2019, 5, dvz014.	0.9	12
52	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
53	Disease model curation improvements at Mouse Genome Informatics. Database: the Journal of Biological Databases and Curation, 2012, 2012, bar063-bar063.	1.4	10
54	Aquatic models, genomics and chemical risk management. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 169-173.	1.3	10

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55	Public data sources to support systems toxicology applications. <i>Current Opinion in Toxicology</i> , 2019, 16, 17-24.	2.6	10
56	Regulatory status of pesticide residues in cannabis: Implications to medical use in neurological diseases. <i>Current Research in Toxicology</i> , 2021, 2, 140-148.	1.3	10
57	DiseaseComps: a metric that discovers similar diseases based upon common toxicogenomic profiles at CTD. <i>Bioinformatics</i> , 2011, 7, 154-156.	0.2	9
58	Marine Organism Cell Biology and Regulatory Sequence Discovery in Comparative Functional Genomics. <i>Cytotechnology</i> , 2004, 46, 123-137.	0.7	5
59	Towards Interactive Visualization for Exploring Conserved Motifs in Noncoding DNA Sequence. , 2007, , .		1
60	ExO: An Ontology for Exposure Science. <i>Nature Precedings</i> , 2011, , .	0.1	0
61	It's not junk!. <i>ACM SIGEVOlution</i> , 2008, 3, 5-16.	0.3	0