Agnes L Karmaus

List of Publications by Year
in descending order

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46 papers	3,386 citations	218677 26 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	3320 citing authors

#	Article	IF	Citations
1	The CompTox Chemistry Dashboard: a community data resource for environmental chemistry. Journal of Cheminformatics, 2017, 9, 61.	6.1	674
2	ToxCast Chemical Landscape: Paving the Road to 21st Century Toxicology. Chemical Research in Toxicology, 2016, 29, 1225-1251.	3.3	456
3	OPERA models for predicting physicochemical properties and environmental fate endpoints. Journal of Cheminformatics, 2018, 10, 10.	6.1	326
4	CERAPP: Collaborative Estrogen Receptor Activity Prediction Project. Environmental Health Perspectives, 2016, 124, 1023-1033.	6.0	264
5	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18In VitroHigh-Throughput Screening Assays for the Estrogen Receptor. Toxicological Sciences, 2015, 148, 137-154.	3.1	251
6	CoMPARA: Collaborative Modeling Project for Androgen Receptor Activity. Environmental Health Perspectives, 2020, 128, 27002.	6.0	120
7	A hybrid gene selection approach to create the S1500+ targeted gene sets for use in high-throughput transcriptomics. PLoS ONE, 2018, 13, e0191105.	2.5	110
8	SAR and QSAR modeling of a large collection of LD50 rat acute oral toxicity data. Journal of Cheminformatics, 2019, 11, 58.	6.1	71
9	Comparative Metabolomic and Genomic Analyses of TCDD-Elicited Metabolic Disruption in Mouse and Rat Liver. Toxicological Sciences, 2012, 125, 41-55.	3.1	63
10	CATMoS: Collaborative Acute Toxicity Modeling Suite. Environmental Health Perspectives, 2021, 129, 47013.	6.0	63
11	Predictive models for acute oral systemic toxicity: A workshop to bridge the gap from research to regulation. Computational Toxicology, 2018, 8, 21-24.	3.3	62
12	BLTK1 Murine Leydig Cells: A Novel Steroidogenic Model for Evaluating the Effects of Reproductive and Developmental Toxicants. Toxicological Sciences, 2012, 127, 391-402.	3.1	58
13	Nonanimal Models for Acute Toxicity Evaluations: Applying Data-Driven Profiling and Read-Across. Environmental Health Perspectives, 2019, 127, 47001.	6.0	56
14	Comparative Analysis of Temporal and Dose-Dependent TCDD-Elicited Gene Expression in Human, Mouse, and Rat Primary Hepatocytes. Toxicological Sciences, 2013, 133, 54-66.	3.1	53
15	Evaluation of food-relevant chemicals in the ToxCast high-throughput screening program. Food and Chemical Toxicology, 2016, 92, 188-196.	3.6	53
16	High-Throughput Screening of Chemical Effects on Steroidogenesis Using H295R Human Adrenocortical Carcinoma Cells. Toxicological Sciences, 2016, 150, 323-332.	3.1	53
17	Genome-wide gene expression effects in B6C3F1 mouse intestinal epithelia following 7 and 90 days of exposure to hexavalent chromium in drinking water. Toxicology and Applied Pharmacology, 2012, 259, 13-26.	2.8	45
18	Effects of TCDD on the expression of nuclear encoded mitochondrial genes. Toxicology and Applied Pharmacology, 2010, 246, 58-65.	2.8	42

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19	High-Throughput H295R Steroidogenesis Assay: Utility as an Alternative and a Statistical Approach to Characterize Effects on Steroidogenesis. Toxicological Sciences, 2018, 162, 509-534.	3.1	39
20	Genome-Wide Computational Analysis of Dioxin Response Element Location and Distribution in the Human, Mouse, and Rat Genomes. Chemical Research in Toxicology, 2011, 24, 494-504.	3.3	37
21	An integrated chemical environment with tools for chemical safety testing. Toxicology in Vitro, 2020, 67, 104916.	2.4	37
22	Comparative temporal and dose-dependent morphological and transcriptional uterine effects elicited by tamoxifen and ethynylestradiol in immature, ovariectomized mice. BMC Genomics, 2007, 8, 151.	2.8	34
23	Application of new approach methodologies: ICE tools to support chemical evaluations. Computational Toxicology, 2021, 20, 100184.	3.3	31
24	Comparisons of differential gene expression elicited by TCDD, PCB126, Î²NF, or ICZ in mouse hepatoma Hepa1c1c7 cells and C57BL/6 mouse liver. Toxicology Letters, 2013, 223, 52-59.	0.8	30
25	Comparative toxicogenomic analysis of oral Cr(VI) exposure effects in rat and mouse small intestinal epithelia. Toxicology and Applied Pharmacology, 2012, 262, 124-138.	2.8	29
26	Triazine Herbicides and Their Chlorometabolites Alter Steroidogenesis in BLTK1 Murine Leydig Cells. Toxicological Sciences, 2013, 134, 155-167.	3.1	29
27	Prediction of Acute Oral Systemic Toxicity Using a Multifingerprint Similarity Approach. Toxicological Sciences, 2019, 167, 484-495.	3.1	26
28	Evaluating opportunities for advancing the use of alternative methods in risk assessment through the development of fit-for-purpose in vitro assays. Toxicology in Vitro, 2018, 48, 310-317.	2.4	25
29	Incorporating new approach methodologies in toxicity testing and exposure assessment for tiered risk assessment using the RISK21 approach: Case studies on food contact chemicals. Food and Chemical Toxicology, 2019, 134, 110819.	3.6	25
30	Exploring current read-across applications and needs among selected U.S. Federal Agencies. Regulatory Toxicology and Pharmacology, 2019, 106, 197-209.	2.7	23
31	Evaluation of Variability Across Rat Acute Oral Systemic Toxicity Studies. Toxicological Sciences, 2022, 188, 34-47.	3.1	22
32	Identification of aryl hydrocarbon receptor binding targets in mouse hepatic tissue treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. Toxicology and Applied Pharmacology, 2011, 257, 38-47.	2.8	21
33	Atrazine-Mediated Disruption of Steroidogenesis in BLTK1 Murine Leydig Cells. Toxicological Sciences, 2015, 148, 544-554.	3.1	19
34	New approach methods for testing chemicals for endocrine disruption potential. Current Opinion in Toxicology, 2018, 9, 40-47.	5.0	14
35	Curation of food-relevant chemicals in ToxCast. Food and Chemical Toxicology, 2017, 103, 174-182.	3.6	11
36	o-pâ€²-DDT-mediated uterotrophy and gene expression in immature C57BL/6 mice and Sprague–Dawley rats. Toxicology and Applied Pharmacology, 2013, 273, 532-541.	2.8	10

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37	Future foods symposium on alternative proteins: Workshop proceedings. Trends in Food Science and Technology, 2021, 107, 124-129.	15.1	10
38	Tamoxifen-elicited uterotrophy: cross-species and cross-ligand analysis of the gene expression program. BMC Medical Genomics, 2009, 2, 19.	1.5	9
39	Effects of tamoxifen and ethynylestradiol cotreatment on uterine gene expression in immature, ovariectomized mice. Journal of Molecular Endocrinology, 2010, 45, 161-173.	2.5	9
40	An evaluation of the performance of selected (Q)SARs/expert systems for predicting acute oral toxicity. Computational Toxicology, 2020, 16, 100135.	3.3	9
41	Assessing bioactivity-exposure profiles of fruit and vegetable extracts in the BioMAP profiling system. Toxicology in Vitro, 2019, 54, 41-57.	2.4	8
42	Application of an Accessible Interface for Pharmacokinetic Modeling and In Vitro to In Vivo Extrapolation. Frontiers in Pharmacology, 2022, 13, 864742.	3.5	8
43	Principles and procedures for assessment of acute toxicity incorporating in silico methods. Computational Toxicology, 2022, 24, 100237.	3.3	5
44	Evaluation of Inhalation Exposures and Potential Health Impacts of Ingredient Mixtures Using in vitro to in vivo Extrapolation. Frontiers in Toxicology, 2021, 3, 787756.	3.1	4
45	Challenges for Integrating Immunotoxicology into the Twenty-First-Century Toxicology Testing Paradigm. Methods in Molecular Biology, 2018, 1803, 385-396.	0.9	3
46	Identification, categorization, and evaluation of food-use chemicals in ToxCast. Toxicology Letters, 2017, 280, S286-S287.	0.8	0