

Doug Crump

List of Publications by Year in descending order

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84
papers

2,991
citations

201674

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docs citations

87
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2674
citing authors

#	ARTICLE	IF	CITATIONS
1	EcoToxXplorer: Leveraging Design Thinking to Develop a Standardized Web-Based Transcriptomics Analytics Platform for Diverse Users. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 21-29.	4.3	6
2	Characterizing toxicity pathways of fluoxetine to predict adverse outcomes in adult fathead minnows (<i>Pimephales promelas</i>). <i>Science of the Total Environment</i> , 2022, 817, 152747.	8.0	5
3	Comparative analysis of transcriptomic points-of-departure (tPODs) and apical responses in embryo-larval fathead minnows exposed to fluoxetine. <i>Environmental Pollution</i> , 2022, 295, 118667.	7.5	10
4	Developmental and Hepatic Gene Expression Changes in Chicken Embryos Exposed to Tert-Butylphenyl Diphenyl Phosphate and Isopropylphenyl Phosphate via Egg Injection. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 739-747.	4.3	2
5	Toxicity screening of bisphenol A replacement compounds: cytotoxicity and mRNA expression in LMH 3D spheroids. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	0
6	Effects of Avian Eggshell Oiling With Diluted Bitumen Show Sublethal Embryonic Polycyclic Aromatic Compound Exposure. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 159-174.	4.3	2
7	Occurrence, partitioning, and bioaccumulation of an emerging class of PBT substances (polychlorinated diphenyl sulfides) in Chaohu Lake, Southeast China. <i>Water Research</i> , 2022, 218, 118498.	11.3	7
8	Consideration of metabolomics and transcriptomics data in the context of using avian embryos for toxicity testing. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 258, 109370.	2.6	3
9	Effects on Apical Outcomes of Regulatory Relevance of Early-Life Stage Exposure of Double-Crested Cormorant Embryos to 4 Environmental Chemicals. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 390-401.	4.3	10
10	Development of a Comprehensive Toxicity Pathway Model for 17 β -Ethinylestradiol in Early Life Stage Fathead Minnows (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2021, 55, 5024-5036.	10.0	13
11	Ultrafast functional profiling of RNA-seq data for nonmodel organisms. <i>Genome Research</i> , 2021, 31, 713-720.	5.5	15
12	Toxicity Screening of Bisphenol A Replacement Compounds: Cytotoxicity and mRNA Expression in Primary Hepatocytes of Chicken and Double-Crested Cormorant. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1368-1378.	4.3	12
13	In Vitro Screening of 21 Bisphenol A Replacement Alternatives: Compared with Bisphenol A, the Majority of Alternatives Are More Cytotoxic and Dysregulate More Genes in Avian Hepatocytes. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2024-2031.	4.3	4
14	Extracts from Dated Lake Sediment Cores in the Athabasca Oil Sands Region Alter Ethoxyresorufin-O-deethylase Activity and Gene Expression in Avian Hepatocytes. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1881-1891.	4.3	0
15	Cross-Model Comparison of Transcriptomic Dose-Response of Short-Chain Chlorinated Paraffins. <i>Environmental Science & Technology</i> , 2021, 55, 8149-8158.	10.0	15
16	ToxChip PCR Arrays for Two Arctic-Breeding Seabirds: Applications for Regional Environmental Assessments. <i>Environmental Science & Technology</i> , 2021, 55, 7521-7530.	10.0	14
17	Polycyclic Aromatic Hydrocarbons Alter the Hepatic Expression of Genes Involved in Sanderling (<i>Calidris alba</i>) Pre-migratory Fueling. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1981-1989.	4.3	6
18	Concentration- and time-dependent induction of Cyp1a and DNA damage response by benzo(a)pyrene in LMH three-dimensional spheroids. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 319-327.	2.2	2

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19	Effects of two Bisphenol A replacement compounds, 1,7-bis (4-hydroxyphenylthio)-3,5-dioxahexane and Bisphenol AF, on development and mRNA expression in chicken embryos. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112140.	6.0	2
20	Assessing the Toxicity of 17 β -Ethinylestradiol in Rainbow Trout Using a 4-Day Transcriptomics Benchmark Dose (BMD) Embryo Assay. <i>Environmental Science & Technology</i> , 2021, 55, 10608-10618.	10.0	14
21	Polychlorinated Diphenyl Sulfides: An Emerging Class of Persistent, Bioaccumulative, and Toxic Substances in the Environment. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2657-2666.	4.3	6
22	Envisioning an international validation process for New Approach Methodologies in chemical hazard and risk assessment. <i>Environmental Advances</i> , 2021, 4, 100061.	4.8	10
23	Using Transcriptomics and Metabolomics to Understand Species Differences in Sensitivity to Chlorpyrifos in Japanese Quail and Double-Crested Cormorant Embryos. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3019-3033.	4.3	11
24	Cytotoxic and Transcriptomic Effects in Avian Hepatocytes Exposed to a Complex Mixture from Air Samples, and Their Relation to the Organic Flame Retardant Signature. <i>Toxics</i> , 2021, 9, 324.	3.7	2
25	Targeted Metabolomics to Assess Exposure to Environmental Chemicals of Concern in Japanese Quail at Two Life Stages. <i>Metabolites</i> , 2021, 11, 850.	2.9	3
26	Chemical risk governance: Exploring stakeholder participation in Canada, the USA, and the EU. <i>Ambio</i> , 2021, . .	5.5	2
27	An Early-Life Stage Alternative Testing Strategy for Assessing the Impacts of Environmental Chemicals in Birds. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 141-154.	4.3	21
28	Computational evaluation of interactions between organophosphate esters and nuclear hormone receptors. <i>Environmental Research</i> , 2020, 182, 108982.	7.5	17
29	Polycyclic aromatic compounds (PACs) and trace elements in four marine bird species from northern Canada in a region of natural marine oil and gas seeps. <i>Science of the Total Environment</i> , 2020, 744, 140959.	8.0	16
30	Drivers of and Obstacles to the Adoption of Toxicogenomics for Chemical Risk Assessment: Insights from Social Science Perspectives. <i>Environmental Health Perspectives</i> , 2020, 128, 105002.	6.0	17
31	Toxicogenomic Assessment of Complex Chemical Signatures in Double-Crested Cormorant Embryos from Variably Contaminated Great Lakes Sites. <i>Environmental Science & Technology</i> , 2020, 54, 7504-7512.	10.0	9
32	Factors Affecting the Perception of New Approach Methodologies (NAMs) in the Ecotoxicology Community. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 269-281.	2.9	14
33	EcoToxModules: Custom Gene Sets to Organize and Analyze Toxicogenomics Data from Ecological Species. <i>Environmental Science & Technology</i> , 2020, 54, 4376-4387.	10.0	16
34	Evaluation of the Aryl Hydrocarbon Receptor Response in LMH 3D Spheroids. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1693-1701.	4.3	3
35	A comparative study of 3 alternative avian toxicity testing methods: Effects on hepatic gene expression in the chicken embryo. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2546-2555.	4.3	7
36	Extracts of Passive Samplers Deployed in Variably Contaminated Wetlands in the Athabasca Oil Sands Region Elicit Biochemical and Transcriptomic Effects in Avian Hepatocytes. <i>Environmental Science & Technology</i> , 2019, 53, 9192-9202.	10.0	21

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37	EcoToxChip: A next-generation toxicogenomics tool for chemical prioritization and environmental management. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 279-288.	4.3	47
38	A rapid method of preparing complex organohalogen extracts from avian eggs: Applications to in vitro toxicogenomics screening. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 811-819.	4.3	10
39	Transcriptomic points-of-departure from short-term exposure studies are protective of chronic effects for fish exposed to estrogenic chemicals. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114634.	2.8	36
40	Persistent, bioaccumulative, and toxic properties of liquid crystal monomers and their detection in indoor residential dust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26450-26458.	7.1	76
41	Organophosphate Ester, 2-Ethylhexyl Diphenyl Phosphate (EHDPP), Elicits Cytotoxic and Transcriptomic Effects in Chicken Embryonic Hepatocytes and Its Biotransformation Profile Compared to Humans. <i>Environmental Science & Technology</i> , 2019, 53, 2151-2160.	10.0	57
42	T1000: a reduced gene set prioritized for toxicogenomic studies. <i>PeerJ</i> , 2019, 7, e7975.	2.0	15
43	Stage of development affects dry weight mercury concentrations in bird eggs: Laboratory evidence and adjustment method. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1168-1174.	4.3	5
44	Bis(3-allyl-4-hydroxyphenyl) sulfone decreases embryonic viability and alters hepatic mRNA expression at two distinct developmental stages in chicken embryos exposed via egg injection. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 530-537.	4.3	14
45	Photolysis of highly brominated flame retardants leads to time-dependent dioxin-responsive mRNA expression in chicken embryonic hepatocytes. <i>Chemosphere</i> , 2018, 194, 352-359.	8.2	13
46	Down-Regulation of <i>hspb9</i> and <i>hspb11</i> Contributes to Wavy Notochord in Zebrafish Embryos Following Exposure to Polychlorinated Diphenylsulfides. <i>Environmental Science & Technology</i> , 2018, 52, 12829-12840.	10.0	7
47	Prioritization of 10 organic flame retardants using an avian hepatocyte toxicogenomic assay. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 3134-3144.	4.3	23
48	Athabasca Oil Sands Petcoke Extract Elicits Biochemical and Transcriptomic Effects in Avian Hepatocytes. <i>Environmental Science & Technology</i> , 2017, 51, 5783-5792.	10.0	18
49	Catbirds are the New Chickens: High Sensitivity to a Dioxin-like Compound in a Wildlife Species. <i>Environmental Science & Technology</i> , 2017, 51, 5252-5258.	10.0	6
50	Bisphenol S alters embryonic viability, development, gallbladder size, and messenger RNA expression in chicken embryos exposed via egg injection. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1541-1549.	4.3	31
51	Time-dependent transcriptomic and biochemical responses of 6-formylindolo[3,2-b]carbazole (FICZ) and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) are explained by AHR activation time. <i>Biochemical Pharmacology</i> , 2016, 115, 134-143.	4.4	31
52	Sunlight Irradiation of Highly Brominated Polyphenyl Ethers Generates Polybenzofuran Products That Alter Dioxin-responsive mRNA Expression in Chicken Hepatocytes. <i>Environmental Science & Technology</i> , 2016, 50, 2318-2327.	10.0	19
53	Use of a Novel Double-Crested Cormorant ToxChip PCR Array and the EROD Assay to Determine Effects of Environmental Contaminants in Primary Hepatocytes. <i>Environmental Science & Technology</i> , 2016, 50, 3265-3274.	10.0	29
54	In Vitro Metabolism of the Flame Retardant Triphenyl Phosphate in Chicken Embryonic Hepatocytes and the Importance of the Hydroxylation Pathway. <i>Environmental Science and Technology Letters</i> , 2015, 2, 100-104.	8.7	81

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55	Comparing the effects of tetrabromobisphenol A, bisphenol A, and their potential replacement alternatives, TBBPA bis(2,3-dibromopropyl ether) and bisphenol S, on cell viability and messenger ribonucleic acid expression in chicken embryonic hepatocytes. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 391-401.	4.3	35
56	Biochemical and Transcriptomic Effects of Herring Gull Egg Extracts from Variably Contaminated Colonies of the Laurentian Great Lakes in Chicken Hepatocytes. <i>Environmental Science & Technology</i> , 2015, 49, 10190-10198.	10.0	21
57	Time-dependent effects of the flame retardant tris(1,3-dichloro-2-propyl) phosphate (TDCPP) on mRNA expression, in vitro and in ovo, reveal optimal sampling times for rapidly metabolized compounds. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2842-2849.	4.3	31
58	Adverse Outcome Pathway Development II: Best Practices. <i>Toxicological Sciences</i> , 2014, 142, 321-330.	3.1	207
59	Adverse Outcome Pathway (AOP) Development I: Strategies and Principles. <i>Toxicological Sciences</i> , 2014, 142, 312-320.	3.1	521
60	Rapid in Vitro Metabolism of the Flame Retardant Triphenyl Phosphate and Effects on Cytotoxicity and mRNA Expression in Chicken Embryonic Hepatocytes. <i>Environmental Science & Technology</i> , 2014, 48, 13511-13519.	10.0	180
61	Use of an avian hepatocyte assay and the avian toxchip polymerase chain reaction array for testing prioritization of 16 organic flame retardants. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 573-582.	4.3	87
62	Photolytic Degradation Products of Two Highly Brominated Flame Retardants Cause Cytotoxicity and mRNA Expression Alterations in Chicken Embryonic Hepatocytes. <i>Environmental Science & Technology</i> , 2014, 48, 12039-12046.	10.0	38
63	Tris(1,3-dichloro-2-propyl) phosphate perturbs the expression of genes involved in immune response and lipid and steroid metabolism in chicken embryos. <i>Toxicology and Applied Pharmacology</i> , 2014, 275, 104-112.	2.8	77
64	Sensitivity of avian species to the aryl hydrocarbon receptor ligand 6-formylindolo [3,2-b] carbazole (FICZ). <i>Chemico-Biological Interactions</i> , 2014, 221, 61-69.	4.0	20
65	Tris(2-butoxyethyl)phosphate and triethyl phosphate alter embryonic development, hepatic mRNA expression, thyroid hormone levels, and circulating bile acid concentrations in chicken embryos. <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 303-310.	2.8	46
66	1,2-Dibromo-4-(1,2-dibromoethyl)-cyclohexane and tris(methylphenyl) phosphate cause significant effects on development, mRNA expression, and circulating bile acid concentrations in chicken embryos. <i>Toxicology and Applied Pharmacology</i> , 2014, 277, 279-287.	2.8	27
67	In Ovo Effects of Two Organophosphate Flame Retardants TCPP and TDCPP on Pipping Success, Development, mRNA Expression, and Thyroid Hormone Levels in Chicken Embryos. <i>Toxicological Sciences</i> , 2013, 134, 92-102.	3.1	169
68	In vitro microarray analysis identifies genes in acute-phase response pathways that are down-regulated in the liver of chicken embryos exposed in ovo to PFUdA. <i>Toxicology in Vitro</i> , 2013, 27, 1649-1658.	2.4	8
69	Cytochrome P4501A induction in avian hepatocyte cultures exposed to polychlorinated biphenyls: Comparisons with AHR1-mediated reporter gene activity and in ovo toxicity. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 38-47.	2.8	30
70	Cytochrome P4501A induction in primary cultures of embryonic European starling hepatocytes exposed to TCDD, PeCDF and TCDF. <i>Ecotoxicology</i> , 2013, 22, 731-739.	2.4	14
71	Amino Acid Sequence of the Ligand-Binding Domain of the Aryl Hydrocarbon Receptor 1 Predicts Sensitivity of Wild Birds to Effects of Dioxin-Like Compounds. <i>Toxicological Sciences</i> , 2013, 131, 139-152.	3.1	101
72	Effects of Tris(1,3-dichloro-2-propyl) phosphate and Tris(1-chloropropyl) phosphate on Cytotoxicity and mRNA Expression in Primary Cultures of Avian Hepatocytes and Neuronal Cells. <i>Toxicological Sciences</i> , 2012, 126, 140-148.	3.1	122

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73	Sequence and In Vitro Function of Chicken, Ring-Necked Pheasant, and Japanese Quail AHR1 Predict In Vivo Sensitivity to Dioxins. <i>Environmental Science & Technology</i> , 2012, 46, 2967-2975.	10.0	54
74	A luciferase reporter gene assay and aryl hydrocarbon receptor 1 genotype predict the LD50 of polychlorinated biphenyls in avian species. <i>Toxicology and Applied Pharmacology</i> , 2012, 263, 390-401.	2.8	32
75	In vitro and in ovo effects of four brominated flame retardants on toxicity and hepatic mRNA expression in chicken embryos. <i>Toxicology Letters</i> , 2011, 207, 25-33.	0.8	66
76	The effects of Dechlorane Plus on toxicity and mRNA expression in chicken embryos: A comparison of in vitro and in ovo approaches. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 129-134.	2.6	23
77	Highly purified hexachlorobenzene induces cytochrome P4501A in primary cultures of chicken embryo hepatocytes. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 185-193.	2.8	16
78	Pipping Success, Isomer-Specific Accumulation, and Hepatic mRNA Expression in Chicken Embryos Exposed to HBCD. <i>Toxicological Sciences</i> , 2010, 115, 492-500.	3.1	38
79	Cytochrome P4501A Induction by 2,3,7,8-Tetrachlorodibenzo-p-Dioxin and Two Chlorinated Dibenzofurans in Primary Hepatocyte Cultures of Three Avian Species. <i>Toxicological Sciences</i> , 2010, 113, 380-391.	3.1	54
80	Ethoxyresorufin O-deethylase induction by TCDD, PeCDF and TCDF in ring-necked pheasant and Japanese quail hepatocytes: Time-dependent effects on concentration response curves. <i>Toxicology in Vitro</i> , 2010, 24, 1301-1305.	2.4	12
81	Effects of 18 Perfluoroalkyl Compounds on mRNA Expression in Chicken Embryo Hepatocyte Cultures. <i>Toxicological Sciences</i> , 2009, 111, 311-320.	3.1	29
82	Detection of PBDE effects on mRNA expression in chicken (<i>Gallus domesticus</i>) neuronal cells using real-time RT-PCR and a new differential display method. <i>Toxicology in Vitro</i> , 2008, 22, 1337-1343.	2.4	25
83	Detection of Polybrominated Diphenyl Ethers in Herring Gull (<i>Larus argentatus</i>) brains: Effects on mRNA Expression in Cultured Neuronal Cells. <i>Environmental Science & Technology</i> , 2008, 42, 7715-7721.	10.0	24
84	Effects of Hexabromocyclododecane and Polybrominated Diphenyl Ethers on mRNA Expression in Chicken (<i>Gallus domesticus</i>) Hepatocytes. <i>Toxicological Sciences</i> , 2008, 106, 479-487.	3.1	46