Jessica A Head

List of Publications by Year
in descending order

39 papers	1,110 citations	471509 17 h-index	414414 32 g-index
40 all docs	40 docs citations	40 times ranked	1395 citing authors

#	Article	IF	Citations
1	Key Amino Acids in the Aryl Hydrocarbon Receptor Predict Dioxin Sensitivity in Avian Species. Environmental Science & Technology, 2008, 42, 7535-7541.	10.0	121
2	Absence of Fractionation of Mercury Isotopes during Trophic Transfer of Methylmercury to Freshwater Fish in Captivity. Environmental Science & Technology, 2012, 46, 7527-7534.	10.0	121
3	Patterns of DNA Methylation in Animals: An Ecotoxicological Perspective. Integrative and Comparative Biology, 2014, 54, 77-86.	2.0	97
4	Ecogenetics of mercury: From genetic polymorphisms and epigenetics to risk assessment and decisionâ€making. Environmental Toxicology and Chemistry, 2014, 33, 1248-1258.	4.3	81
5	Epigenetics for ecotoxicologists. Environmental Toxicology and Chemistry, 2012, 31, 221-227.	4.3	70
6	Polycyclic aromatic compounds (PACs) in the Canadian environment: Exposure and effects on wildlife. Environmental Pollution, 2020, 265, 114863.	7.5	60
7	EcoToxChip: A nextâ€generation toxicogenomics tool for chemical prioritization and environmental management. Environmental Toxicology and Chemistry, 2019, 38, 279-288.	4.3	47
8	EXPOSURE TO 3,3â€²,4,4â€²,5-PENTACHLOROBIPHENYL DURING EMBRYONIC DEVELOPMENT HAS A MINIMAL EFFECT ON THE CYTOCHROME P4501A RESPONSE TO 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN IN CULTURED CHICKEN EMBRYO HEPATOCYTES. Environmental Toxicology and Chemistry, 2006, 25, 2981.	4.3	42
9	Same-sample analysis of ethoxyresorufin-O-deethylase activity and cytochrome P4501A mRNA abundance in chicken embryo hepatocytes. Analytical Biochemistry, 2007, 360, 294-302.	2.4	41
10	Correlation between an in vitro and an in vivo measure of dioxin sensitivity in birds. Ecotoxicology, 2010, 19, 377-382.	2.4	41
11	Mammalian wildlife as complementary models in environmental neurotoxicology. Neurotoxicology and Teratology, 2010, 32, 114-119.	2.4	40
12	Parental Whole Life Cycle Exposure to Dietary Methylmercury in Zebrafish (Danio rerio) Affects the Behavior of Offspring. Environmental Science & Technology, 2016, 50, 4808-4816.	10.0	32
13	Differential expression, induction, and stability of CYP1A4 and CYP1A5 mRNA in chicken and herring gull embryo hepatocytes. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 145, 617-624.	2.6	28
14	Application of the <scp>LU</scp>minometric <scp>M</scp>ethylation <scp>A</scp>ssay to ecological species: tissue quality requirements and a survey of <scp>DNA</scp> methylation levels in animals. Molecular Ecology Resources, 2014, 14, 943-952.	4.8	26
15	Potency of Polycyclic Aromatic Hydrocarbons (PAHs) for Induction of Ethoxyresorufin-O-deethylase (EROD) Activity in Hepatocyte Cultures from Chicken, Pekin Duck, And Greater Scaup. Environmental Science & Technology, 2015, 49, 3787-3794.	10.0	23
16	Early life exposure to triphenyl phosphate: Effects on thyroid function, growth, and resting metabolic rate of Japanese quail (Coturnix japonica) chicks. Environmental Pollution, 2019, 253, 899-908.	7.5	23
17	An Earlyâ€“Life Stage Alternative Testing Strategy for Assessing the Impacts of Environmental Chemicals in Birds. Environmental Toxicology and Chemistry, 2020, 39, 141-154.	4.3	21
18	Retrospective analysis of mercury content in feathers of birds collected from the state of Michigan (1895â€“2007). Ecotoxicology, 2011, 20, 1636-1643.	2.4	19

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19	Cumulative effects of cadmium and natural stressors (temperature and parasite infection) on molecular and biochemical responses of juvenile rainbow trout. Aquatic Toxicology, 2019, 217, 105347.	4.0	19
20	Potency of polycyclic aromatic hydrocarbons in chicken and Japanese quail embryos. Environmental Toxicology and Chemistry, 2018, 37, 1556-1564.	4.3	17
21	Ultrafast functional profiling of RNA-seq data for nonmodel organisms. Genome Research, 2021, 31, 713-720.	5.5	15
22	Assessment of environmentally contaminated sediment using a contact assay with early life stage zebrafish (Danio rerio). Science of the Total Environment, 2019, 659, 950-962.	8.0	14
23	Developmental Methylmercury Exposure Affects Swimming Behavior and Foraging Efficiency of Yellow Perch (Perca flavescens) Larvae. ACS Omega, 2017, 2, 4870-4877.	3.5	13
24	Using Transcriptomics and Metabolomics to Understand Species Differences in Sensitivity to Chlorpyrifos in Japanese Quail and Doubleâ€Crested Cormorant Embryos. Environmental Toxicology and Chemistry, 2021, 40, 3019-3033.	4.3	11
25	Effects on Apical Outcomes of Regulatory Relevance of Earlyâ€Life Stage Exposure of Doubleâ€Crested Cormorant Embryos to 4 Environmental Chemicals. Environmental Toxicology and Chemistry, 2021, 40, 390-401.	4.3	10
26	Effects of in ovo exposure to benzo[k]fluoranthene (BkF) on CYP1A expression and promoter methylation in developing chicken embryos. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 204, 88-96.	2.6	9
27	Assessment of the effects of early life exposure to triphenyl phosphate on fear, boldness, aggression, and activity in Japanese quail (Coturnix japonica) chicks. Environmental Pollution, 2020, 258, 113695.	7.5	9
28	Effects of acute stressors experienced by five strains of layer breeders on measures of stress and fear in their offspring. Physiology and Behavior, 2021, 228, 113185.	2.1	9
29	A cellâ€free testing platform to screen chemicals of potential neurotoxic concern across twenty vertebrate species. Environmental Toxicology and Chemistry, 2017, 36, 3081-3090.	4.3	8
30	An Ecotoxicological Perspective on Transgenerational Epigenetic Inheritance. Environmental Toxicology and Chemistry, 2019, 38, 1149-1151.	4.3	7
31	The mink is still a reliable sentinel species in environmental health. Environmental Research, 2009, 109, 940-941.	7.5	6
32	EcoToxXplorer: Leveraging Design Thinking to Develop a Standardized Webâ€Based Transcriptomics Analytics Platform for Diverse Users. Environmental Toxicology and Chemistry, 2022, 41, 21-29.	4.3	6
33	Interindividual variation in the cytochrome P4501A response to 2,3,7,8â€tetrachlorodibenzoâ€p â€dioxin in herring gull embryo hepatocytes. Environmental Toxicology and Chemistry, 2019, 38, 660-670.	4.3	5
34	Uptake, Deposition, and Metabolism of Triphenyl Phosphate in Embryonated Eggs and Chicks of Japanese Quail (Coturnix japonica). Environmental Toxicology and Chemistry, 2020, 39, 565-573.	4.3	5
35	Targeted Metabolomics to Assess Exposure to Environmental Chemicals of Concern in Japanese Quail at Two Life Stages. Metabolites, 2021, 11, 850.	2.9	3
36	Consideration of metabolomics and transcriptomics data in the context of using avian embryos for toxicity testing. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 258, 109370.	2.6	3

#	Article	IF	Citations
37	Female hatchling American kestrels have a larger hippocampus than males: A link with sexual size dimorphism?. Behavioural Brain Research, 2018, 349, 98-101.	2.2	2
38	Exploring the Impacts of Methylmercuryâ€Induced Behavioral Alterations in Larval Yellow Perch in Lake Michigan Using an Individualâ€Based Model. Transactions of the American Fisheries Society, 2020, 149, 664-680.	1.4	2
39	Exposure to Contaminated River Water is Associated with Early Hatching and Dysregulation of Gene Expression in Early Life Stages of the Endangered Copper Redhorse (Moxostoma hubbsi). Environmental Toxicology and Chemistry, 2022, 41, 1950-1966.	4.3	1