Maria S SepÃºlveda

List of Publications by Year
in descending order

97 papers	3,611 citations	109137 35 h-index	155451 55 g-index
104 all docs	104 docs citations	104 times ranked	4918 citing authors

#	Article	IF	Citations
1	Oil induced cardiac effects in embryonic sheepshead minnows, Cyprinodon variegatus. Chemosphere, 2022, 288, 132482.	4.2	2
2	Emerging trends in nanoparticle toxicity and the significance of using Daphnia as a model organism. Chemosphere, 2022, 291, 132941.	4.2	37
3	Comparative Toxicity of Aquatic Perâ€•and Polyfluoroalkyl Substance Exposure in Three Species of Amphibians. Environmental Toxicology and Chemistry, 2022, 41, 1407-1415.	2.2	16
4	Acute Toxicity of Eight Aqueous Film-Forming Foams to 14 Aquatic Species. Environmental Science & Technology, 2022, 56, 6078-6090.	4.6	10
5	Sublethal Effects of Dermal Exposure to Polyâ€•and Perfluoroalkyl Substances on Postmetamorphic Amphibians. Environmental Toxicology and Chemistry, 2021, 40, 717-726.	2.2	24
6	Chronic Perâ€‘Polyfluoroalkyl Substance Exposure Under Environmentally Relevant Conditions Delays Development in Northern Leopard Frog (Rana pipiens) Larvae. Environmental Toxicology and Chemistry, 2021, 40, 711-716.	2.2	20
7	Comparison of zebrafish in vitro and in vivo developmental toxicity assessments of perfluoroalkyl acids (PFAAs). Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, 84, 125-136.	1.1	31
8	Assessing the Ecological Risks of Perâ€•and Polyfluoroalkyl Substances: Current Stateâ€•ofâ€‘the Science and a Proposed Path Forward. Environmental Toxicology and Chemistry, 2021, 40, 564-605.	2.2	166
9	Effects of polycyclic aromatic hydrocarbons and abiotic stressors on Fundulus grandis cardiac transcriptomics. Science of the Total Environment, 2021, 752, 142156.	3.9	5
10	The impact of salinity and dissolved oxygen regimes on transcriptomic immune responses to oil in early life stage Fundulus grandis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 37, 100753.	0.4	3
11	Dietary exposure and accumulation of per- and polyfluoroalkyl substances alters growth and reduces body condition of post-metamorphic salamanders. Science of the Total Environment, 2021, 765, 142730.	3.9	14
12	Relative acute toxicity of three perâ€•and polyfluoroalkyl substances on nine species of larval amphibians. Integrated Environmental Assessment and Management, 2021, 17, 684-690.	1.6	8
13	Rapid genetic adaptation to recently colonized environments is driven by genes underlying life history traits. BMC Genomics, 2021, 22, 269.	1.2	11
14	Development of an adverse outcome pathway for nanoplastic toxicity in Daphnia pulex using proteomics. Science of the Total Environment, 2021, 766, 144249.	3.9	55
15	The aqueous extract of Fridericia chica grown in northern Colombia ameliorates toxicity induced by Tergitol on Caenorhabditis elegans. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 244, 109026.	1.3	8
16	The influence of hypoxia on the cardiac transcriptomes of two estuarine species - C. variegatus and F. grandis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 39, 100837.	0.4	2
17	Incipient resistance to an effective pesticide results from genetic adaptation and the canalization of gene expression. Evolutionary Applications, 2021, 14, 847-859.	1.5	12
18	Haemodynamic dependence of mechano-genetic evolution of the cardiovascular system in Japanese medaka. Journal of the Royal Society Interface, 2021, 18, 20210752.	1.5	0

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19	Per- and Polyfluoroalkyl Substances (PFAS) Neurotoxicity in Sentinel and Non-Traditional Laboratory Model Systems: Potential Utility in Predicting Adverse Outcomes in Human Health. Toxics, 2020, 8, 42.	1.6	36
20	Acute exposure to oil induces age and species-specific transcriptional responses in embryo-larval estuarine fish. Environmental Pollution, 2020, 263, 114325.	3.7	15
21	Exposure to Oil and Hypoxia Results in Alterations of Immune Transcriptional Patterns in Developing Sheepshead Minnows (Cyprinodon variegatus). Scientific Reports, 2020, 10, 1684.	1.6	4
22	Exposure route affects the distribution and toxicity of polystyrene nanoplastics in zebrafish. Science of the Total Environment, 2020, 724, 138065.	3.9	54
23	Lifelong Exposure to Dioxin-Like PCBs Alters Paternal Offspring Care Behavior and Reduces Male Fish Reproductive Success. Environmental Science & Technology, 2019, 53, 11507-11514.	4.6	14
24	Parental exposure to Deepwater Horizon oil in different environmental scenarios alters development of sheepshead minnow (Cyprinodon variegatus) offspring. Marine Environmental Research, 2019, 150, 104762.	1.1	7
25	Acute and chronic effects of perfluoroalkyl substance mixtures on larval American bullfrogs (Rana) Tj ETQq1 1 0.784314 rgBT /Overlo	4.2	44
26	Molecular signaling pathways elicited by 17Î±-ethinylestradiol in Japanese medaka male larvae undergoing gonadal differentiation. Aquatic Toxicology, 2019, 208, 187-195.	1.9	11
27	Developmental exposure to perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) selectively decreases brain dopamine levels in Northern leopard frogs. Toxicology and Applied Pharmacology, 2019, 377, 114623.	1.3	52
28	Combined effects of salinity, temperature, hypoxia, and Deepwater Horizon oil on Fundulus grandis larvae. Ecotoxicology and Environmental Safety, 2019, 181, 106-113.	2.9	17
29	Sexâ€specific endocrineâ€disrupting effects of three halogenated chemicals in Japanese medaka. Journal of Applied Toxicology, 2019, 39, 1215-1223.	1.4	25
30	InÂvitro and in silico modeling of perfluoroalkyl substances mixture toxicity in an amphibian fibroblast cell line. Chemosphere, 2019, 233, 25-33.	4.2	44
31	Larval amphibians rapidly bioaccumulate poly- and perfluoroalkyl substances. Ecotoxicology and Environmental Safety, 2019, 178, 137-145.	2.9	31
32	Rapid resistance to pesticide control is predicted to evolve in an invasive fish. Scientific Reports, 2019, 9, 18157.	1.6	22
33	Transgenerational effects of polycyclic aromatic hydrocarbon exposure on sheepshead minnows (Cyprinodon variegatus). Environmental Toxicology and Chemistry, 2019, 38, 638-649.	2.2	18
34	Combined effects of Deepwater Horizon crude oil and environmental stressors on Fundulus grandis embryos. Environmental Toxicology and Chemistry, 2018, 37, 1916-1925.	2.2	22
35	The Toxicogenome of Hyalella azteca: A Model for Sediment Ecotoxicology and Evolutionary Toxicology. Environmental Science & Technology, 2018, 52, 6009-6022.	4.6	79
36	InÂvivo visual reporter system for estrogenic contaminant exposure using transgenic see-through Japanese medaka Oryzias latipes. Chemosphere, 2018, 201, 251-253.	4.2	2

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37	Rapid evolution meets invasive species control: the potential for pesticide resistance in sea lamprey. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 152-168.	0.7	47
38	Embryonic atrazine exposure elicits proteomic, behavioral, and brain abnormalities with developmental time specific gene expression signatures. Journal of Proteomics, 2018, 186, 71-82.	1.2	35
39	No evidence of microplastic impacts on consumption or growth of larval Pimephales promelas. Environmental Toxicology and Chemistry, 2018, 37, 2912-2918.	2.2	31
40	Behavioral and physiological responses of yellow perch (Perca flavescens) to moderate hypoxia. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 209, 47-55.	0.8	9
41	Protein Corona Analysis of Silver Nanoparticles Exposed to Fish Plasma. Environmental Science and Technology Letters, 2017, 4, 174-179.	3.9	57
42	Endocrine-disrupting activity of per- and polyfluoroalkyl substances: Exploring combined approaches of ligand and structure based modeling. Chemosphere, 2017, 184, 514-523.	4.2	79
43	Acute mixture toxicity of halogenated chemicals and their next generation counterparts on zebrafish embryos. Chemosphere, 2017, 181, 710-712.	4.2	43
44	Comparativein vitrotoxicity assessment of perfluorinated carboxylic acids. Journal of Applied Toxicology, 2017, 37, 699-708.	1.4	52
45	Uptake and Depuration of Four Per/Polyfluoroalkyl Substances (PFASS) in Northern Leopard Frog Rana pipiens Tadpoles. Environmental Science and Technology Letters, 2017, 4, 399-403.	3.9	36
46	Gonadal intersex in smallmouth bass Micropterus dolomieu from northern Indiana with correlations to molecular biomarkers and anthropogenic chemicals. Environmental Pollution, 2017, 230, 1099-1107.	3.7	22
47	Thyroid disrupting effects of halogenated and next generation chemicals on the swim bladder development of zebrafish. Aquatic Toxicology, 2017, 193, 228-235.	1.9	63
48	Effects of clothianidin on aquatic communities: Evaluating the impacts of lethal and sublethal exposure to neonicotinoids. PLoS ONE, 2017, 12, e0174171.	1.1	71
49	Speciesâ€specific effects of subdaily temperature fluctuations on consumption, growth and stress responses in two physiologically similar fish species. Ecology of Freshwater Fish, 2016, 25, 465-475.	0.7	23
50	An embryonic atrazine exposure results in reproductive dysfunction in adult zebrafish and morphological alterations in their offspring. Scientific Reports, 2016, 6, 21337.	1.6	65
51	Embryonic atrazine exposure alters zebrafish and human miRNAs associated with angiogenesis, cancer, and neurodevelopment. Food and Chemical Toxicology, 2016, 98, 25-33.	1.8	58
52	MicroRNAs are involved in cadmium tolerance in Daphnia pulex. Aquatic Toxicology, 2016, 175, 241-248.	1.9	35
53	Vascular toxicity of silver nanoparticles to developing zebrafish (Danio rerio). Nanotoxicology, 2016, 10, 1363-1372.	1.6	32
54	Embryonic Atrazine Exposure Elicits Alterations in Genes Associated with Neuroendocrine Function in Adult Male Zebrafish. Toxicological Sciences, 2016, 153, 149-164.	1.4	31

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55	Mitochondrial Dysfunction, Disruption of F-Actin Polymerization, and Transcriptomic Alterations in Zebrafish Larvae Exposed to Trichloroethylene. Chemical Research in Toxicology, 2016, 29, 169-179.	1.7	21
56	Intersex in fishes and amphibians: population implications, prevalence, mechanisms and molecular biomarkers. Journal of Applied Toxicology, 2015, 35, 1228-1240.	1.4	50
57	Ovarian structure protein 1: A sensitive molecular biomarker of gonadal intersex in female Japanese medaka after androgen exposure. Environmental Toxicology and Chemistry, 2015, 34, 2087-2094.	2.2	10
58	Novel Cadmium Responsive MicroRNAs in Daphnia pulex. Environmental Science & Technology, 2015, 49, 14605-14613.	4.6	34
59	Fluctuating Water Temperatures Affect Development, Physiological Responses and Cause Sex Reversal in Fathead Minnows. Environmental Science & Technology, 2015, 49, 1921-1928.	4.6	23
60	Developmental origins of neurotransmitter and transcriptome alterations in adult female zebrafish exposed to atrazine during embryogenesis. Toxicology, 2015, 333, 156-167.	2.0	52
61	Presence and effects of pharmaceutical and personal care products on the Baca National Wildlife Refuge, Colorado. Chemosphere, 2015, 120, 750-755.	4.2	37
62	Environmental hormones and their impacts on sex differentiation in fathead minnows. Aquatic Toxicology, 2015, 158, 98-107.	1.9	33
63	Nanosilver-coated socks and their toxicity to zebrafish (Danio rerio) embryos. Chemosphere, 2015, 119, 948-952.	4.2	27
64	In Silico Prediction and In Vivo Validation of Daphnia pulex Micrornas. PLoS ONE, 2014, 9, e83708.	1.1	8
65	Effects of triclocarban, N,Nâ€diethylâ€metaâ€toluamide, and a mixture of pharmaceuticals and personal care products on fathead minnows (Pimephales promelas). Environmental Toxicology and Chemistry, 2014, 33, 910-919.	2.2	28
66	Growth and behavioral effects of the lampricide TFM on non-target fish species. Journal of Great Lakes Research, 2014, 40, 1010-1015.	0.8	12
67	Silver nanoparticle-specific mitotoxicity inDaphnia magna. Nanotoxicology, 2014, 8, 833-842.	1.6	51
68	Comparative study of non-invasive methods for assessing Daphnia magna embryo toxicity. Environmental Science and Pollution Research, 2014, 21, 10803-10814.	2.7	4
69	Multiple origins of pyrethroid insecticide resistance across the species complex of a nontarget aquatic crustacean, Hyalella azteca. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16532-16537.	3.3	131
70	Elucidating Causes of Diporeia Decline in the Great Lakes via Metabolomics: Physiological Responses after Exposure to Different Stressors. Physiological and Biochemical Zoology, 2013, 86, 213-223.	0.6	12
71	Helminth Collection and Identification from Wildlife. Journal of Visualized Experiments, 2013, , e51000.	0.2	24
72	Transcriptome Alterations Following Developmental Atrazine Exposure in Zebrafish Are Associated with Disruption of Neuroendocrine and Reproductive System Function, Cell Cycle, and Carcinogenesis. Toxicological Sciences, 2013, 132, 458-466.	1.4	89

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73	A Single Sea Lamprey Attack Causes Acute Anemia and Mortality in Lake Sturgeon. Journal of Aquatic Animal Health, 2012, 24, 91-99.	0.6	14
74	Metabolite Profiles in Starved Diporeia spp. Using Liquid Chromatography-Mass Spectrometry (LC-MS) Based Metabolomics. Journal of Crustacean Biology, 2012, 32, 239-248.	0.3	28
75	Effects of Multiple Electrical Field Exposures on Cyprinid Embryo Survival. North American Journal of Fisheries Management, 2012, 32, 875-879.	0.5	5
76	Assessing Impacts of Land-Applied Manure from Concentrated Animal Feeding Operations on Fish Populations and Communities. Environmental Science & Technology, 2012, 46, 13440-13447.	4.6	48
77	Starvation causes disturbance in amino acid and fatty acid metabolism in Diporeia. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 348-355.	0.7	25
78	Blood Chemistry Values for Shovelnose and Lake Sturgeon. Journal of Aquatic Animal Health, 2012, 24, 135-140.	0.6	11
79	Transcriptional response of hepatic largemouth bass (Micropterus salmoides) mRNA upon exposure to environmental contaminants. Journal of Applied Toxicology, 2011, 31, 108-116.	1.4	17
80	Effects of estrogens and antiestrogens on gene expression of fathead minnow (Pimephales) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.1	49
81	Review of recent proteomic applications in aquatic toxicology. Environmental Toxicology and Chemistry, 2011, 30, 274-282.	2.2	79
82	Proteomics in aquatic amphipods: Can it be used to determine mechanisms of toxicity and interspecies responses after exposure to atrazine?. Environmental Toxicology and Chemistry, 2011, 30, 1197-1203.	2.2	11
83	Use of GC Ã— GC/TOFâ€MS and LC/TOFâ€MS for metabolomic analysis of Hyalella azteca chronically exposed to atrazine and its primary metabolite, desethylatrazine. Journal of Applied Toxicology, 2011, 31, 399-410.	1.4	21
84	A review of studies on androgen and estrogen exposure in fish early life stages: effects on gene and hormonal control of sexual differentiation. Journal of Applied Toxicology, 2011, 31, 379-398.	1.4	146
85	The effects of silver nanoparticles on fathead minnow (Pimephales promelas) embryos. Ecotoxicology, 2010, 19, 185-195.	1.1	204
86	Sexually dimorphic gene expression in the gonad and liver of shovelnose sturgeon (Scaphirhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	41
87	First Record of a Polypodium sp. Parasitizing Eggs of Shovelnose Sturgeon from the Wabash River, Indiana. Journal of Aquatic Animal Health, 2010, 22, 36-38.	0.6	3
88	Gene expression responses in male fathead minnows exposed to binary mixtures of an estrogen and antiestrogen. BMC Genomics, 2009, 10, 308.	1.2	74
89	Acute and chronic toxicity of atrazine and its metabolites deethylatrazine and deisopropylatrazine on aquatic organisms. Ecotoxicology, 2009, 18, 899-905.	1.1	100
90	Characterization of ontogenetic changes in gene expression in the fathead minnow (Pimephales) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	24

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91	Liver proteome response of largemouth bass (Micropterus salmoides) exposed to several environmental contaminants: Potential insights into biomarker development. Aquatic Toxicology, 2009, 95, 52-59.	1.9	40
92	Development of GCxGC/TOF-MS metabolomics for use in ecotoxicological studies with invertebrates. Aquatic Toxicology, 2008, 88, 48-52.	1.9	80
93	Oxygen Flux As an Indicator of Physiological Stress in Fathead Minnow (Pimephales promelas) Embryos: A Real-Time Biomonitoring System of Water Quality. Environmental Science & Technology, 2008, 42, 7010-7017.	4.6	36
94	Agricultural Contributions of Antimicrobials and Hormones on Soil and Water Quality. Advances in Agronomy, 2007, , 1-68.	2.4	96
95	NECROPSY FINDINGS IN AMERICAN ALLIGATOR LATE-STAGE EMBRYOS AND HATCHLINGS FROM NORTHCENTRAL FLORIDA LAKES CONTAMINATED WITH ORGANOCHLORINE PESTICIDES. Journal of Wildlife Diseases, 2006, 42, 56-73.	0.3	12
96	Organochlorine Pesticides and Thiamine in Eggs of Largemouth Bass and American Alligators and Their Relationship with Early Life-stage Mortality. Journal of Wildlife Diseases, 2004, 40, 782-786.	0.3	34
97	PREDICTING MATERNAL BODY BURDENS OF ORGANOCHLORINE PESTICIDES FROM EGGS AND EVIDENCE OF MATERNAL TRANSFER IN ALLIGATOR MISSISSIPPIENSIS. Environmental Toxicology and Chemistry, 2004, 23, 2906.	2.2	51