

Maria S Seplveda

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

2,581
citations

30
h-index

46
g-index

104
ext. papers

3,097
ext. citations

5.2
avg, IF

5.36
L-index

#	Paper	IF	Citations
98	The effects of silver nanoparticles on fathead minnow (<i>Pimephales promelas</i>) embryos. <i>Ecotoxicology</i> , 2010 , 19, 185-95	2.9	179
97	A review of studies on androgen and estrogen exposure in fish early life stages: effects on gene and hormonal control of sexual differentiation. <i>Journal of Applied Toxicology</i> , 2011 , 31, 379-98	4.1	118
96	Multiple origins of pyrethroid insecticide resistance across the species complex of a nontarget aquatic crustacean, <i>Hyalella azteca</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16532-7	11.5	101
95	Agricultural Contributions of Antimicrobials and Hormones on Soil and Water Quality. <i>Advances in Agronomy</i> , 2007 , 1-68	7.7	82
94	Acute and chronic toxicity of atrazine and its metabolites deethylatrazine and deisopropylatrazine on aquatic organisms. <i>Ecotoxicology</i> , 2009 , 18, 899-905	2.9	74
93	Transcriptome alterations following developmental atrazine exposure in zebrafish are associated with disruption of neuroendocrine and reproductive system function, cell cycle, and carcinogenesis. <i>Toxicological Sciences</i> , 2013 , 132, 458-66	4.4	73
92	Development of GCxGC/TOF-MS metabolomics for use in ecotoxicological studies with invertebrates. <i>Aquatic Toxicology</i> , 2008 , 88, 48-52	5.1	73
91	Review of recent proteomic applications in aquatic toxicology. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 274-82	3.8	70
90	Gene expression responses in male fathead minnows exposed to binary mixtures of an estrogen and antiestrogen. <i>BMC Genomics</i> , 2009 , 10, 308	4.5	66
89	Endocrine-disrupting activity of per- and polyfluoroalkyl substances: Exploring combined approaches of ligand and structure based modeling. <i>Chemosphere</i> , 2017 , 184, 514-523	8.4	54
88	The Toxicogenome of <i>Hyalella azteca</i> : A Model for Sediment Ecotoxicology and Evolutionary Toxicology. <i>Environmental Science & Technology</i> , 2018 , 52, 6009-6022	10.3	54
87	An embryonic atrazine exposure results in reproductive dysfunction in adult zebrafish and morphological alterations in their offspring. <i>Scientific Reports</i> , 2016 , 6, 21337	4.9	54
86	Assessing the Ecological Risks of Per- and Polyfluoroalkyl Substances: Current State-of-the Science and a Proposed Path Forward. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 564-605	3.8	51
85	Effects of clothianidin on aquatic communities: Evaluating the impacts of lethal and sublethal exposure to neonicotinoids. <i>PLoS ONE</i> , 2017 , 12, e0174171	3.7	50
84	Silver nanoparticle-specific mitotoxicity in <i>Daphnia magna</i> . <i>Nanotoxicology</i> , 2014 , 8, 833-42	5.3	47
83	Predicting maternal body burdens of organochlorine pesticides from eggs and evidence of maternal transfer in Alligator mississippiensis. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 2906-13	3.8	47
82	Protein Corona Analysis of Silver Nanoparticles Exposed to Fish Plasma. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 174-179	11	44

81	Developmental origins of neurotransmitter and transcriptome alterations in adult female zebrafish exposed to atrazine during embryogenesis. <i>Toxicology</i> , 2015 , 333, 156-167	4.4	43
80	Effects of estrogens and antiestrogens on gene expression of fathead minnow (<i>Pimephales promelas</i>) early life stages. <i>Environmental Toxicology</i> , 2011 , 26, 195-206	4.2	43
79	Intersex in fishes and amphibians: population implications, prevalence, mechanisms and molecular biomarkers. <i>Journal of Applied Toxicology</i> , 2015 , 35, 1228-40	4.1	42
78	Assessing impacts of land-applied manure from concentrated animal feeding operations on fish populations and communities. <i>Environmental Science & Technology</i> , 2012 , 46, 13440-7	10.3	42
77	Thyroid disrupting effects of halogenated and next generation chemicals on the swim bladder development of zebrafish. <i>Aquatic Toxicology</i> , 2017 , 193, 228-235	5.1	41
76	Embryonic atrazine exposure alters zebrafish and human miRNAs associated with angiogenesis, cancer, and neurodevelopment. <i>Food and Chemical Toxicology</i> , 2016 , 98, 25-33	4.7	41
75	Liver proteome response of largemouth bass (<i>Micropterus salmoides</i>) exposed to several environmental contaminants: potential insights into biomarker development. <i>Aquatic Toxicology</i> , 2009 , 95, 52-9	5.1	39
74	Sexually dimorphic gene expression in the gonad and liver of shovelnose sturgeon (<i>Scaphirhynchus platyrhynchus</i>). <i>Fish Physiology and Biochemistry</i> , 2010 , 36, 923-32	2.7	39
73	Rapid evolution meets invasive species control: the potential for pesticide resistance in sea lamprey. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018 , 75, 152-168	2.4	36
72	Comparative in vitro toxicity assessment of perfluorinated carboxylic acids. <i>Journal of Applied Toxicology</i> , 2017 , 37, 699-708	4.1	34
71	Presence and effects of pharmaceutical and personal care products on the Baca National Wildlife Refuge, Colorado. <i>Chemosphere</i> , 2015 , 120, 750-5	8.4	33
70	Oxygen flux as an indicator of physiological stress in fathead minnow (<i>Pimephales promelas</i>) embryos: a real-time biomonitoring system of water quality. <i>Environmental Science & Technology</i> , 2008 , 42, 7010-7	10.3	33
69	Environmental hormones and their impacts on sex differentiation in fathead minnows. <i>Aquatic Toxicology</i> , 2015 , 158, 98-107	5.1	30
68	Organochlorine pesticides and thiamine in eggs of largemouth bass and American alligators and their relationship with early life-stage mortality. <i>Journal of Wildlife Diseases</i> , 2004 , 40, 782-6	1.3	30
67	In vitro and in silico modeling of perfluoroalkyl substances mixture toxicity in an amphibian fibroblast cell line. <i>Chemosphere</i> , 2019 , 233, 25-33	8.4	29
66	Novel Cadmium Responsive MicroRNAs in <i>Daphnia pulex</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 14605-13	10.3	28
65	Developmental exposure to perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) selectively decreases brain dopamine levels in Northern leopard frogs. <i>Toxicology and Applied Pharmacology</i> , 2019 , 377, 114623	4.6	26
64	Acute mixture toxicity of halogenated chemicals and their next generation counterparts on zebrafish embryos. <i>Chemosphere</i> , 2017 , 181, 710-712	8.4	25

63	Nanosilver-coated socks and their toxicity to zebrafish (<i>Danio rerio</i>) embryos. <i>Chemosphere</i> , 2015 , 119, 948-952	8.4	25
62	Exposure route affects the distribution and toxicity of polystyrene nanoplastics in zebrafish. <i>Science of the Total Environment</i> , 2020 , 724, 138065	10.2	25
61	No evidence of microplastic impacts on consumption or growth of larval <i>Pimephales promelas</i> . <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2912-2918	3.8	24
60	Embryonic Atrazine Exposure Elicits Alterations in Genes Associated with Neuroendocrine Function in Adult Male Zebrafish. <i>Toxicological Sciences</i> , 2016 , 153, 149-64	4.4	23
59	Acute and chronic effects of perfluoroalkyl substance mixtures on larval American bullfrogs (<i>Rana catesbeiana</i>). <i>Chemosphere</i> , 2019 , 236, 124350	8.4	23
58	Characterization of ontogenetic changes in gene expression in the fathead minnow (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 873-80	3.8	23
57	Vascular toxicity of silver nanoparticles to developing zebrafish (<i>Danio rerio</i>). <i>Nanotoxicology</i> , 2016 , 10, 1363-72	5.3	23
56	Starvation causes disturbance in amino acid and fatty acid metabolism in <i>Diporeia</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012 , 161, 348-55	2.3	22
55	Uptake and Depuration of Four Per/Polyfluoroalkyl Substances (PFASS) in Northern Leopard Frog <i>Rana pipiens</i> Tadpoles. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 399-403	11	21
54	Metabolite Profiles in Starved <i>Diporeia</i> spp. Using Liquid Chromatography-Mass Spectrometry (LC-MS) Based Metabolomics. <i>Journal of Crustacean Biology</i> , 2012 , 32, 239-248	0.8	21
53	MicroRNAs are involved in cadmium tolerance in <i>Daphnia pulex</i> . <i>Aquatic Toxicology</i> , 2016 , 175, 241-8	5.1	21
52	Larval amphibians rapidly bioaccumulate poly- and perfluoroalkyl substances. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 178, 137-145	7	20
51	Embryonic atrazine exposure elicits proteomic, behavioral, and brain abnormalities with developmental time specific gene expression signatures. <i>Journal of Proteomics</i> , 2018 , 186, 71-82	3.9	20
50	Effects of triclocarban, N,N-diethyl-meta-toluamide, and a mixture of pharmaceuticals and personal care products on fathead minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 910-9	3.8	20
49	Development of an adverse outcome pathway for nanoplastic toxicity in <i>Daphnia pulex</i> using proteomics. <i>Science of the Total Environment</i> , 2021 , 766, 144249	10.2	20
48	Combined effects of Deepwater Horizon crude oil and environmental stressors on <i>Fundulus grandis</i> embryos. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1916-1925	3.8	19
47	Use of GC/MS and LC/TOF-MS for metabolomic analysis of <i>Hyaella azteca</i> chronically exposed to atrazine and its primary metabolite, desethylatrazine. <i>Journal of Applied Toxicology</i> , 2011 , 31, 399-410	4.1	19
46	Mitochondrial Dysfunction, Disruption of F-Actin Polymerization, and Transcriptomic Alterations in Zebrafish Larvae Exposed to Trichloroethylene. <i>Chemical Research in Toxicology</i> , 2016 , 29, 169-79	4	18

45	Rapid resistance to pesticide control is predicted to evolve in an invasive fish. <i>Scientific Reports</i> , 2019 , 9, 18157	4.9	17
44	Fluctuating water temperatures affect development, physiological responses and cause sex reversal in fathead minnows. <i>Environmental Science & Technology</i> , 2015 , 49, 1921-8	10.3	16
43	Helminth collection and identification from wildlife. <i>Journal of Visualized Experiments</i> , 2013 , e51000	1.6	16
42	Transcriptional response of hepatic largemouth bass (<i>Micropterus salmoides</i>) mRNA upon exposure to environmental contaminants. <i>Journal of Applied Toxicology</i> , 2011 , 31, 108-16	4.1	15
41	Gonadal intersex in smallmouth bass <i>Micropterus dolomieu</i> from northern Indiana with correlations to molecular biomarkers and anthropogenic chemicals. <i>Environmental Pollution</i> , 2017 , 230, 1099-1107	9.3	14
40	Species-specific effects of subdaily temperature fluctuations on consumption, growth and stress responses in two physiologically similar fish species. <i>Ecology of Freshwater Fish</i> , 2016 , 25, 465-475	2.1	14
39	Combined effects of salinity, temperature, hypoxia, and Deepwater Horizon oil on <i>Fundulus grandis</i> larvae. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 106-113	7	13
38	Per- and Polyfluoroalkyl Substances (PFAS) Neurotoxicity in Sentinel and Non-Traditional Laboratory Model Systems: Potential Utility in Predicting Adverse Outcomes in Human Health. <i>Toxics</i> , 2020 , 8,	4.7	13
37	A single sea lamprey attack causes acute anemia and mortality in lake sturgeon. <i>Journal of Aquatic Animal Health</i> , 2012 , 24, 91-9	2.6	13
36	Necropsy findings in American alligator late-stage embryos and hatchlings from northcentral Florida lakes contaminated with organochlorine pesticides. <i>Journal of Wildlife Diseases</i> , 2006 , 42, 56-73	1.3	12
35	Acute exposure to oil induces age and species-specific transcriptional responses in embryo-larval estuarine fish. <i>Environmental Pollution</i> , 2020 , 263, 114325	9.3	11
34	Elucidating causes of <i>Diporeia</i> decline in the Great Lakes via metabolomics: physiological responses after exposure to different stressors. <i>Physiological and Biochemical Zoology</i> , 2013 , 86, 213-23	2	11
33	Proteomics in aquatic amphipods: can it be used to determine mechanisms of toxicity and interspecies responses after exposure to atrazine?. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 1197-203	3.8	11
32	Transgenerational effects of polycyclic aromatic hydrocarbon exposure on sheepshead minnows (<i>Cyprinodon variegatus</i>). <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 638-649	3.8	11
31	Lifelong Exposure to Dioxin-Like PCBs Alters Paternal Offspring Care Behavior and Reduces Male Fish Reproductive Success. <i>Environmental Science & Technology</i> , 2019 , 53, 11507-11514	10.3	9
30	Blood chemistry values for shovelnose and lake sturgeon. <i>Journal of Aquatic Animal Health</i> , 2012 , 24, 135-40	2.6	9
29	Chronic Per-/Polyfluoroalkyl Substance Exposure Under Environmentally Relevant Conditions Delays Development in Northern Leopard Frog (<i>Rana pipiens</i>) Larvae. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 711-716	3.8	9
28	Ovarian structure protein 1: A sensitive molecular biomarker of gonadal intersex in female Japanese medaka after androgen exposure. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 2087-94	3.8	8

27	In silico prediction and in vivo validation of <i>Daphnia pulex</i> microRNAs. <i>PLoS ONE</i> , 2014 , 9, e83708	3.7	8
26	Growth and behavioral effects of the lampricide TFM on non-target fish species. <i>Journal of Great Lakes Research</i> , 2014 , 40, 1010-1015	3	8
25	Incipient resistance to an effective pesticide results from genetic adaptation and the canalization of gene expression. <i>Evolutionary Applications</i> , 2021 , 14, 847-859	4.8	8
24	Comparison of zebrafish in vitro and in vivo developmental toxicity assessments of perfluoroalkyl acids (PFAAs). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2021 , 84, 125-136	3.2	8
23	Molecular signaling pathways elicited by 17 β ethinylestradiol in Japanese medaka male larvae undergoing gonadal differentiation. <i>Aquatic Toxicology</i> , 2019 , 208, 187-195	5.1	6
22	Sex-specific endocrine-disrupting effects of three halogenated chemicals in Japanese medaka. <i>Journal of Applied Toxicology</i> , 2019 , 39, 1215-1223	4.1	6
21	Emerging trends in nanoparticle toxicity and the significance of using <i>Daphnia</i> as a model organism. <i>Chemosphere</i> , 2021 , 132941	8.4	6
20	Sublethal Effects of Dermal Exposure to Poly- and Perfluoroalkyl Substances on Postmetamorphic Amphibians. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 717-726	3.8	6
19	Parental exposure to Deepwater Horizon oil in different environmental scenarios alters development of sheepshead minnow (<i>Cyprinodon variegatus</i>) offspring. <i>Marine Environmental Research</i> , 2019 , 150, 104762	3.3	5
18	Effects of Multiple Electrical Field Exposures on Cyprinid Embryo Survival. <i>North American Journal of Fisheries Management</i> , 2012 , 32, 875-879	1.1	5
17	Behavioral and physiological responses of yellow perch (<i>Perca flavescens</i>) to moderate hypoxia. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017 , 209, 47-55	2.6	4
16	Comparative study of non-invasive methods for assessing <i>Daphnia magna</i> embryo toxicity. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 10803-14	5.1	4
15	Relative acute toxicity of three per- and polyfluoroalkyl substances on nine species of larval amphibians. <i>Integrated Environmental Assessment and Management</i> , 2021 , 17, 684-690	2.5	4
14	Effects of polycyclic aromatic hydrocarbons and abiotic stressors on <i>Fundulus grandis</i> cardiac transcriptomics. <i>Science of the Total Environment</i> , 2021 , 752, 142156	10.2	4
13	Dietary exposure and accumulation of per- and polyfluoroalkyl substances alters growth and reduces body condition of post-metamorphic salamanders. <i>Science of the Total Environment</i> , 2021 , 765, 142730	10.2	4
12	Exposure to Oil and Hypoxia Results in Alterations of Immune Transcriptional Patterns in Developing Sheepshead Minnows (<i>Cyprinodon variegatus</i>). <i>Scientific Reports</i> , 2020 , 10, 1684	4.9	3
11	Rapid genetic adaptation to recently colonized environments is driven by genes underlying life history traits. <i>BMC Genomics</i> , 2021 , 22, 269	4.5	2
10	In vivo visual reporter system for estrogenic contaminant exposure using transgenic see-through Japanese medaka <i>Oryzias latipes</i> . <i>Chemosphere</i> , 2018 , 201, 251-253	8.4	1

9	Molecular Epigenetic Changes Caused by Environmental Pollutants 2012 , 73-109		1
8	Fishing for microRNAs in Toxicology 2013 , 49-75		1
7	Use of Proteomic and Metabolomic Techniques in Ecotoxicological Research 2011 ,		1
6	First record of a <i>Polypodium</i> sp. parasitizing eggs of shovelnose sturgeon from the Wabash River, Indiana. <i>Journal of Aquatic Animal Health</i> , 2010 , 22, 36-8	2.6	1
5	The aqueous extract of <i>Fridericia chica</i> grown in northern Colombia ameliorates toxicity induced by Tergitol on <i>Caenorhabditis elegans</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 244, 109026	3.2	1
4	The impact of salinity and dissolved oxygen regimes on transcriptomic immune responses to oil in early life stage <i>Fundulus grandis</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021 , 37, 100753	2	1
3	The influence of hypoxia on the cardiac transcriptomes of two estuarine species - <i>C. variegatus</i> and <i>F. grandis</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021 , 39, 100837	2	1
2	Haemodynamic dependence of mechano-genetic evolution of the cardiovascular system in Japanese medaka. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210752	4.1	
1	Oil induced cardiac effects in embryonic sheepshead minnows, <i>Cyprinodon variegatus</i> . <i>Chemosphere</i> , 2022 , 288, 132482	8.4	