Daniel Schlenk

List of Publications by Year
in descending order

252 papers	9,563 citations	47006 47 h-index	62596 80 g-index
254 all docs	254 docs citations	254 times ranked	9230 citing authors

#	Article	IF	Citations
1	Enantioselectivity in environmental safety of current chiral insecticides. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 701-706.	7.1	444
2	Benchmarking Organic Micropollutants in Wastewater, Recycled Water and Drinking Water with In Vitro Bioassays. Environmental Science & Technology, 2014, 48, 1940-1956.	10.0	367
3	The copepod Tigriopus: A promising marine model organism for ecotoxicology and environmental genomics. Aquatic Toxicology, 2007, 83, 161-173.	4.0	295
4	Negligible effects of microplastics on animal fitness and HOC bioaccumulation in earthworm Eisenia fetida in soil. Environmental Pollution, 2019, 249, 776-784.	7.5	220
5	Chiral pharmaceuticals: A review on their environmental occurrence and fate processes. Water Research, 2017, 124, 527-542.	11.3	209
6	Estrogenic activity and reproductive effects of the UV-filter oxybenzone (2-hydroxy-4-methoxyphenyl-methanone) in fish. Aquatic Toxicology, 2008, 90, 182-187.	4.0	199
7	Pyrethroid Pesticides as Endocrine Disruptors: Molecular Mechanisms in Vertebrates with a Focus on Fishes. Environmental Science & Technology, 2016, 50, 8977-8992.	10.0	190
8	Pesticides and PCBs in sediments and fish from the Salton Sea, California, USA. Chemosphere, 2004, 55, 797-809.	8.2	167
9	Assessing and Reducing the Toxicity of 3D-Printed Parts. Environmental Science and Technology Letters, 2016, 3, 1-6.	8.7	157
10	Enantioselectivity in Estrogenic Potential and Uptake of Bifenthrin. Environmental Science & Technology, 2007, 41, 6124-6128.	10.0	151
11	Effects of HCO₃^{â€“} on Degradation of Toxic Contaminants of Emerging Concern by UV/NO₃^{â€“}. Environmental Science & Technology, 2018, 52, 12697-12707.	10.0	129
12	Time- and Oil-Dependent Transcriptomic and Physiological Responses to Deepwater Horizon Oil in Mahi-Mahi (Coryphaena hippurus) Embryos and Larvae. Environmental Science & Technology, 2016, 50, 7842-7851.	10.0	123
13	Fish and Seabird Gut Conditions Enhance Desorption of Estrogenic Chemicals from Commonly-Ingested Plastic Items. Environmental Science & Technology, 2019, 53, 4588-4599.	10.0	98
14	Biochemical and Clinical Aspects of the Human Flavin-Containing Monooxygenase Form 3 (FMO3) Related to Trimethylaminuria. Current Drug Metabolism, 2003, 4, 151-170.	1.2	97
15	Evaluation of estrogenic activity from a municipal wastewater treatment plant with predominantly domestic input. Aquatic Toxicology, 2002, 61, 211-224.	4.0	94
16	Alterations in Physiological Parameters of Rainbow Trout (Oncorhynchus mykiss) with Exposure to Copper and Copper/Zinc Mixtures. Ecotoxicology and Environmental Safety, 1999, 42, 253-264.	6.0	91
17	Biotransformation in Fishes. , 2008, , 153-234.		91
18	Larval Red Drum (Sciaenops ocellatus) Sublethal Exposure to Weathered Deepwater Horizon Crude Oil: Developmental and Transcriptomic Consequences. Environmental Science & Technology, 2017, 51, 10162-10172.	10.0	91

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19	Occurrence of Halogenated Transformation Products of Selected Pharmaceuticals and Personal Care Products in Secondary and Tertiary Treated Wastewaters from Southern California. Environmental Science & Technology, 2015, 49, 2044-2051.	10.0	90
20	IN VIVO BIOASSAY-GUIDED FRACTIONATION OF MARINE SEDIMENT EXTRACTS FROM THE SOUTHERN CALIFORNIA BIGHT, USA, FOR ESTROGENIC ACTIVITY. Environmental Toxicology and Chemistry, 2005, 24, 2820.	4.3	83
21	Effects of Environmental Estrogens and Antiandrogens on Endocrine Function, Gene Regulation, and Health in Fish. International Review of Cell and Molecular Biology, 2008, 267, 207-252.	3.2	83
22	Comparison of in Vitro and in Vivo Bioassays for Estrogenicity in Effluent from North American Municipal Wastewater Facilities. Toxicological Sciences, 2003, 72, 77-83.	3.1	82
23	Evaluation of Estrogenic Activities of Aquatic Herbicides and Surfactants Using an Rainbow Trout Vitellogenin Assay. Toxicological Sciences, 2005, 87, 391-398.	3.1	82
24	A Perspective on Modern Pesticides, Pelagic Fish Declines, and Unknown Ecological Resilience in Highly Managed Ecosystems. BioScience, 2012, 62, 428-434.	4.9	76
25	Environmental Designer Drugs: When Transformation May Not Eliminate Risk. Environmental Science & Technology, 2014, 48, 11737-11745.	10.0	75
26	Impacts of oxidative stress on acetylcholinesterase transcription, and activity in embryos of zebrafish (Danio rerio) following Chlorpyrifos exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 172-173, 19-25.	2.6	75
27	Endocrine disrupting effects of tebuconazole on different life stages of zebrafish (Danio rerio). Environmental Pollution, 2019, 249, 1049-1059.	7.5	74
28	TWO NEW POLYMORPHISMS OF THE FMO3 GENE IN CAUCASIAN AND AFRICAN-AMERICAN POPULATIONS: COMPARATIVE GENETIC AND FUNCTIONAL STUDIES. Drug Metabolism and Disposition, 2003, 31, 854-860.	3.3	72
29	Chirality of organophosphorus pesticides: Analysis and toxicity. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 1277-1284.	2.3	70
30	Efficacy of Copper Sulfate for the Treatment of Ichthyophthiriasis in Channel Catfish. Journal of Aquatic Animal Health, 1998, 10, 390-396.	1.4	68
31	Identification of Novel Variants of the Flavin-Containing Monooxygenase Gene Family in African Americans. Drug Metabolism and Disposition, 2003, 31, 187-193.	3.3	67
32	Degradation of contaminants of emerging concern by UV/H2O2 for water reuse: Kinetics, mechanisms, and cytotoxicity analysis. Water Research, 2020, 174, 115587.	11.3	66
33	Oxidative Stress, Unfolded Protein Response, and Apoptosis in Developmental Toxicity. International Review of Cell and Molecular Biology, 2015, 317, 1-66.	3.2	65
34	Metal-specific induction of metallothionein isoforms in the blue crab Callinectes sapidus in response to single- and mixed-metal exposure. Archives of Biochemistry and Biophysics, 1992, 294, 461-468.	3.0	62
35	Evaluation of relationships between reproductive metrics, gender and vitellogenin expression in demersal flatfish collected near the municipal wastewater outfall of Orange County, California, USA. Aquatic Toxicology, 2006, 77, 241-249.	4.0	59
36	Direct Conjugation of Emerging Contaminants in Arabidopsis: Indication for an Overlooked Risk in Plants?. Environmental Science & Technology, 2017, 51, 6071-6081.	10.0	58

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37	Necessity of Defining Biomarkers for Use in Ecological Risk Assessments. Marine Pollution Bulletin, 1999, 39, 48-53.	5.0	57
38	Age-dependent effects in fathead minnows from the anti-diabetic drug metformin. General and Comparative Endocrinology, 2016, 232, 185-190.	1.8	56
39	Interlaboratory comparison of inÂvitro bioassays for screening of endocrine active chemicals in recycled water. Water Research, 2015, 83, 303-309.	11.3	53
40	Simulated digestion of polystyrene foam enhances desorption of diethylhexyl phthalate (DEHP) and InÂvitro estrogenic activity in a size-dependent manner. Environmental Pollution, 2019, 246, 452-462.	7.5	53
41	Immune Function and Cytochrome P4501A Activity after Acute Exposure to 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) in Channel Catfish. Journal of Aquatic Animal Health, 1995, 7, 195-204.	1.4	52
42	Effect of zinc and cadmium treatment on hydrogen peroxide-induced mortality and expression of glutathione and metallothionein in a teleost hepatoma cell line. Aquatic Toxicology, 1998, 43, 121-129.	4.0	52
43	Analysis of Endocrine Disruption in Southern California Coastal Fish Using an Aquatic Multispecies Microarray. Environmental Health Perspectives, 2009, 117, 223-230.	6.0	52
44	Accumulation of HOCs via Precontaminated Microplastics by Earthworm Eisenia fetida in Soil. Environmental Science & Technology, 2020, 54, 11220-11229.	10.0	52
45	Comparative vitellogenic responses in three teleost species: extrapolation to in situ field studies. Marine Environmental Research, 2000, 50, 185-189.	2.5	50
46	Effects of pentachlorophenol on the reproduction of Japanese medaka (Oryzias latipes). Chemico-Biological Interactions, 2006, 161, 26-36.	4.0	49
47	Characterization of muscle cholinesterases from two demersal flatfish collected near a municipal wastewater outfall in Southern California. Ecotoxicology and Environmental Safety, 2008, 69, 466-471.	6.0	49
48	Enantioselectivity in fipronil aquatic toxicity and degradation. Environmental Toxicology and Chemistry, 2009, 28, 1825-1833.	4.3	49
49	Evaluation of Xenobiotic N- and S-Oxidation by Variant Flavin-Containing Monooxygenase 1 (FMO1) Enzymes. Toxicological Sciences, 2004, 78, 196-203.	3.1	48
50	Evaluation of pesticides and metals in fish of the Dniester River, Moldova. Chemosphere, 2005, 60, 196-205.	8.2	47
51	Analytical and Biological Characterization of Halogenated Gemfibrozil Produced through Chlorination of Wastewater. Environmental Science & Technology, 2012, 46, 5583-5589.	10.0	47
52	Identification and Environmental Implications of Photo-Transformation Products of Trenbolone Acetate Metabolites. Environmental Science & Technology, 2013, 47, 5031-5041.	10.0	47
53	Comparisons of analytical chemistry and biological activities of extracts from North Pacific gyre plastics with UV-treated and untreated plastics using in vitro and in vivo models. Environment International, 2018, 121, 942-954.	10.0	47
54	Exposure to Crude Oil Induces Retinal Apoptosis and Impairs Visual Function in Fish. Environmental Science & Technology, 2020, 54, 2843-2850.	10.0	47

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55	Relationship between expression of hepatic metallothionein and sublethal stress in channel catfish following acute exposure to copper sulphate. Aquaculture, 1999, 177, 367-379.	3.5	46
56	Stereoselective Biotransformation of Permethrin to Estrogenic Metabolites in Fish. Chemical Research in Toxicology, 2010, 23, 1568-1575.	3.3	46
57	Developmental toxicity of hydroxylated chrysene metabolites in zebrafish embryos. Aquatic Toxicology, 2017, 189, 77-86.	4.0	46
58	Transcriptomic Responses of Bisphenol S Predict Involvement of Immune Function in the Cardiotoxicity of Early Life-Stage Zebrafish (Danio rerio). Environmental Science & Technology, 2020, 54, 2869-2877.	10.0	46
59	Effects of propranolol on heart rate and development in Japanese medaka (Oryzias latipes) and zebrafish (Danio rerio). Aquatic Toxicology, 2012, 122-123, 214-221.	4.0	45
60	The effects of the pyrethroid insecticide, bifenthrin, on steroid hormone levels and gonadal development of steelhead (Oncorhynchus mykiss) under hypersaline conditions. General and Comparative Endocrinology, 2013, 186, 101-107.	1.8	45
61	EXTRAHEPATIC METABOLISM OF CARBAMATE AND ORGANOPHOSPHATE THIOETHER COMPOUNDS BY THE FLAVIN-CONTAINING MONOOXYGENASE AND CYTOCHROME P450 SYSTEMS. Drug Metabolism and Disposition, 2005, 33, 214-218.	3.3	44
62	The effect of particle size on the bioavailability of estrogenic chemicals from sediments. Chemosphere, 2009, 76, 395-401.	8.2	44
63	An Adaptive, Comprehensive Monitoring Strategy for Chemicals of Emerging Concern (CECs) in California's Aquatic Ecosystems. Integrated Environmental Assessment and Management, 2014, 10, 69-77.	2.9	44
64	The effect of bifenthrin on the dopaminergic pathway in juvenile rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	4.0	44
65	Effects of bifenthrin exposure on the estrogenic and dopaminergic pathways in zebrafish embryos and juveniles. Environmental Toxicology and Chemistry, 2018, 37, 236-246.	4.3	44
66	Incidence of organochlorine pesticides in muscle and liver tissues of South African great white sharks Carcharodon carcharias. Marine Pollution Bulletin, 2005, 50, 208-211.	5.0	43
67	Impacts of climate change on hypersaline conditions of estuaries and xenobiotic toxicity. Aquatic Toxicology, 2011, 105, 78-82.	4.0	43
68	Expression of Hepatic Metallothionein Messenger RNA in Feral and Caged Fish Species Correlates with Muscle Mercury Levels. Ecotoxicology and Environmental Safety, 1995, 31, 282-286.	6.0	42
69	Cross-reactivity of monoclonal antibodies against peptide 277â€“294 of rainbow trout CYP1A1 with hepatic CYP1A among fish. Marine Environmental Research, 1998, 46, 87-91.	2.5	42
70	Enantioselective acetylcholinesterase inhibition of the organophosphorous insecticides profenofos, fonofos, and crotoxyphos. Environmental Toxicology and Chemistry, 2007, 26, 1949-1954.	4.3	42
71	Environmentally relevant concentrations of boscalid exposure affects the neurobehavioral response of zebrafish by disrupting visual and nervous systems. Journal of Hazardous Materials, 2021, 404, 124083.	12.4	42
72	Biochemical effects of petroleum exposure in hornyhead turbot (Pleuronichthys verticalis) exposed to a gradient of sediments collected from a natural petroleum seep in CA, USA. Aquatic Toxicology, 2003, 65, 159-169.	4.0	41

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73	Evaluation of the relationships between biochemical endpoints of PAH exposure and physiological endpoints of reproduction in male California Halibut (Paralichthys californicus) exposed to sediments from a natural oil seep. Marine Environmental Research, 2005, 60, 454-465.	2.5	41
74	Diuron metabolites act as endocrine disruptors and alter aggressive behavior in Nile tilapia (Oreochromis niloticus). Chemosphere, 2018, 191, 832-838.	8.2	41
75	Sexual differences in mortality and sublethal stress in channel catfish following a 10 week exposure to copper sulfate. Aquatic Toxicology, 1997, 37, 327-339.	4.0	40
76	Reconstitution Studies of Pesticides and Surfactants Exploring the Cause of Estrogenic Activity Observed in Surface Waters of the San Francisco Bay Delta. Environmental Science & Technology, 2012, 46, 9106-9111.	10.0	40
77	Influence of Temperature on the Thyroidogenic Effects of Diuron and Its Metabolite 3,4-DCA in Tadpoles of the American Bullfrog (Lithobates catesbeianus). Environmental Science & Technology, 2016, 50, 13095-13104.	10.0	40
78	Effects of ultraviolet-B light and polyaromatic hydrocarbon exposure on sea urchin development and bacterial bioluminescence. Marine Environmental Research, 1999, 48, 439-457.	2.5	39
79	Bioaccumulation of organochlorine contaminants and ethoxyresorufinâ€oâ€deethylase activity in southern California round stingrays (Urobatis halleri) exposed to planar aromatic compounds. Environmental Toxicology and Chemistry, 2014, 33, 1380-1390.	4.3	39
80	Anti-androgenic activities of diuron and its metabolites in male Nile tilapia (Oreochromis niloticus). Aquatic Toxicology, 2015, 164, 10-15.	4.0	39
81	Inference of Organophosphate Ester Emission History from Marine Sediment Cores Impacted by Wastewater Effluents. Environmental Science & Technology, 2019, 53, 8767-8775.	10.0	39
82	Dietary Seleno-<scp>l</scp>-Methionine Causes Alterations in Neurotransmitters, Ultrastructure of the Brain, and Behaviors in Zebrafish (Danio rerio). Environmental Science & Technology, 2021, 55, 11894-11905.	10.0	39
83	Effects of pyrethroid insecticides in urban runoff on Chinook salmon, steelhead trout, and their invertebrate prey. Environmental Toxicology and Chemistry, 2015, 34, 649-657.	4.3	37
84	Glucocorticoid and mineralocorticoid receptors and corticosteroid homeostasis are potential targets for endocrine-disrupting chemicals. Environment International, 2019, 133, 105133.	10.0	37
85	Channel catfish glutathione S-transferase isoenzyme activity toward (Â±)-anti-benzo[a]pyrene-trans-7,8-dihydrodiol-9, 10-epoxide. Aquatic Toxicology, 1996, 34, 135-150.	4.0	36
86	Mechanisms of fenthion activation in rainbow trout (Oncorhynchus mykiss) acclimated to hypersaline environments. Toxicology and Applied Pharmacology, 2009, 235, 143-152.	2.8	36
87	Effect of 17beta-Estradiol and Testosterone on the Expression of Flavin-Containing Monooxygenase and the Toxicity of Aldicarb to Japanese Medaka, Oryzias latipes. Toxicological Sciences, 2002, 68, 381-388.	3.1	35
88	The relationships of biochemical endpoints to histopathology and population metrics in feral flatfish species collected near the municipal wastewater outfall of Orange County, California, USA. Environmental Toxicology and Chemistry, 2003, 22, 1309-1317.	4.3	35
89	Effects of salinity on the toxicity and biotransformation of l-selenomethionine in Japanese medaka (Oryzias latipes) embryos: Mechanisms of oxidative stress. Aquatic Toxicology, 2012, 108, 18-22.	4.0	35
90	Potential Mechanisms of the Enhancement of Aldicarb Toxicity to Japanese Medaka,Oryzias latipes,at High Salinity. Toxicology and Applied Pharmacology, 1998, 152, 175-183.	2.8	34

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91	Estrogenic and CYP1A response of mummichogs and sunshine bass to sewage effluent. Marine Environmental Research, 2000, 50, 175-179.	2.5	34
92	Site-Specific Profiles of Estrogenic Activity in Agricultural Areas of Californiaâ€™s Inland Waters. Environmental Science & Technology, 2009, 43, 9110-9116.	10.0	34
93	Effects of exposure to the Î²-blocker propranolol on the reproductive behavior and gene expression of the fathead minnow, Pimephales promelas. Aquatic Toxicology, 2012, 116-117, 8-15.	4.0	34
94	Cytochrome P-450 and Phase II activities in the gumboot chiton Cryptochiton stelleri. Aquatic Toxicology, 1988, 13, 167-182.	4.0	33
95	Channel catfish liver monooxygenases. Biochemical Pharmacology, 1993, 45, 217-221.	4.4	33
96	Occurrence of flavin-containing monooxygenases in non-mammalian eukaryotic organisms. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1998, 121, 185-195.	0.5	33
97	A tiered, integrated biological and chemical monitoring framework for contaminants of emerging concern in aquatic ecosystems. Integrated Environmental Assessment and Management, 2016, 12, 540-547.	2.9	33
98	Spatial and temporal assessment of environmental contaminants in water, sediments and fish of the Salton Sea and its two primary tributaries, California, USA, from 2002 to 2012. Science of the Total Environment, 2016, 559, 130-140.	8.0	33
99	Biomarkers. , 2008, , 683-731.		32
100	Effects of acute and chronic exposures of fluoxetine on the Chinese fish, topmouth gudgeon Pseudorasbora parva. Ecotoxicology and Environmental Safety, 2018, 160, 104-113.	6.0	32
101	Chapter 6 Pesticide biotransformation in fish. Biochemistry and Molecular Biology of Fishes, 2005, 6, 171-190.	0.5	31
102	Integration of multi-level biomarker responses to cadmium and benzo[k]fluoranthene in the pale chub (Zacco platypus). Ecotoxicology and Environmental Safety, 2014, 110, 121-128.	6.0	31
103	Novel transcriptome assembly and comparative toxicity pathway analysis in mahi-mahi (Coryphaena) Tj ETQq1 1 0.784314 rgBT /Over	3.3	31
104	Effect of aging on bioaccessibility of DDTs and PCBs in marine sediment. Environmental Pollution, 2019, 245, 582-589.	7.5	31
105	Effects of an environmentally relevant PFAS mixture on dopamine and steroid hormone levels in exposed mice. Toxicology and Applied Pharmacology, 2021, 428, 115670.	2.8	31
106	Estrogenic responses of larval sunshine bass (Morone saxatilis Ã— M. Chrysops) exposed to New York city sewage effluent. Marine Environmental Research, 2002, 54, 691-695.	2.5	30
107	Synthesis of Fenthion Sulfoxide and Fenoxon Sulfoxide Enantiomers:â€‰ Effect of Sulfur Chirality on Acetylcholinesterase Activity. Chemical Research in Toxicology, 2007, 20, 257-262.	3.3	30
108	Estrogenic activities of diuron metabolites in female Nile tilapia (Oreochromis niloticus). Chemosphere, 2016, 146, 497-502.	8.2	30

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109	Flavin-containing monooxygenase activity in liver microsomes from the rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 1991, 20, 13-23.	4.0	29
110	Isolation of three copper metallothionein isoforms from the blue crab (Callinectes sapidus). Aquatic Toxicology, 1991, 20, 25-33.	4.0	29
111	Back Conversion from Product to Parent: Methyl Triclosan to Triclosan in Plants. Environmental Science and Technology Letters, 2018, 5, 181-185.	8.7	29
112	Assessing Toxicity andin VitroBioactivity of Smoked Cigarette Leachate Using Cell-Based Assays and Chemical Analysis. Chemical Research in Toxicology, 2019, 32, 1670-1679.	3.3	29
113	mRNA-miRNA-Seq Reveals Neuro-Cardio Mechanisms of Crude Oil Toxicity in Red Drum (Sciaenops) Tj ETQq1 1 0.784314 rgBT /Over	10.0	29
114	Microsomal biotransformation of chlorpyrifos, parathion and fenthion in rainbow trout (Oncorhynchus mykiss) and coho salmon (Oncorhynchus kisutch): Mechanistic insights into interspecific differences in toxicity. Aquatic Toxicology, 2011, 101, 57-63.	4.0	28
115	Isolated and mixed effects of diuron and its metabolites on biotransformation enzymes and oxidative stress response of Nile tilapia (Oreochromis niloticus). Ecotoxicology and Environmental Safety, 2018, 149, 248-256.	6.0	28
116	Evaluation of different methods for assessing bioavailability of DDT residues during soil remediation. Environmental Pollution, 2018, 238, 462-470.	7.5	28
117	Molecular mechanisms of selenium-Induced spinal deformities in fish. Aquatic Toxicology, 2016, 179, 143-150.	4.0	27
118	A Novel Water-Swelling Sampling Probe for in Vivo Detection of Neonicotinoids in Plants. Environmental Science & Technology, 2019, 53, 9686-9694.	10.0	27
119	Molecular Analysis of Endocrine Disruption in Hornyhead Turbot at Wastewater Outfalls in Southern California Using a Second Generation Multi-Species Microarray. PLoS ONE, 2013, 8, e75553.	2.5	27
120	Correction of salinity with flavin-containing monooxygenase activity but not cytochrome P450 activity in the euryhaline fish (Platichthys flesus). Biochemical Pharmacology, 1996, 52, 815-818.	4.4	26
121	Sorption of Estrogens onto Different Fractions of Sediment and Its Effect on Vitellogenin Expression in Male Japanese Medaka. Archives of Environmental Contamination and Toxicology, 2010, 59, 147-156.	4.1	26
122	Sublethal toxicity of chlorpyrifos to salmonid olfaction after hypersaline acclimation. Aquatic Toxicology, 2015, 161, 94-101.	4.0	26
123	Stable Isotope Labeling-Assisted Metabolite Probing for Emerging Contaminants in Plants. Analytical Chemistry, 2018, 90, 11040-11047.	6.5	26
124	Effects of corexit 9500A and Corexit-crude oil mixtures on transcriptomic pathways and developmental toxicity in early life stage mahi-mahi (Coryphaena hippurus). Aquatic Toxicology, 2019, 212, 233-240.	4.0	26
125	Evaluation of the estrogen receptor alpha as a possible target of bifenthrin effects in the estrogenic and dopaminergic signaling pathways in zebrafish embryos. Science of the Total Environment, 2019, 651, 2424-2431.	8.0	26
126	Induction and characterization of hepatic metallothionein expression from cadmiumâ€induced channel catfish (Ictalurus punctatus). Environmental Toxicology and Chemistry, 1995, 14, 1425-1431.	4.3	25

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127	Hypersalinity Acclimation Increases the Toxicity of the Insecticide Phorate in Coho Salmon (Oncorhynchus kisutch). Environmental Science & Technology, 2011, 45, 4623-4629.	10.0	25
128	Changes in microRNAâ€“mRNA Signatures Agree with Morphological, Physiological, and Behavioral Changes in Larval Mahi-Mahi Treated with Deepwater Horizon Oil. Environmental Science & Technology, 2018, 52, 13501-13510.	10.0	25
129	The effects of bifenthrin and temperature on the endocrinology of juvenile Chinook salmon. Environmental Toxicology and Chemistry, 2019, 38, 852-861.	4.3	25
130	Characterization of hepatic metallothionein expression in channel catfish (Ictalurus punctatus) by reverse transcriptase polymerase chain reaction. Biomarkers, 1997, 2, 161-167.	1.9	24
131	Effects of Salinity on the Uptake, Biotransformation, and Toxicity of Dietary Seleno-L-Methionine to Rainbow Trout. Toxicological Sciences, 2003, 75, 309-313.	3.1	24
132	Are steroids really the cause for fish feminization? A mini-review of in vitro and in vivo guided TIEs. Marine Pollution Bulletin, 2008, 57, 250-254.	5.0	24
133	Alterations of secondary sex characteristics, reproductive histology and behaviors by norgestrel in the western mosquitoï¬sh (Gambusia affinis). Aquatic Toxicology, 2018, 198, 224-230.	4.0	24
134	Cyto- and geno-toxicity of 1,4-dioxane and its transformation products during ultraviolet-driven advanced oxidation processes. Environmental Science: Water Research and Technology, 2018, 4, 1213-1218.	2.4	24
135	The use of non-targeted metabolomics to assess the toxicity of bifenthrin to juvenile Chinook salmon (Oncorhynchus tshawytscha). Aquatic Toxicology, 2020, 224, 105518.	4.0	24
136	Bioassay guided analysis coupled with non-target chemical screening in polyethylene plastic shopping bag fragments after exposure to simulated gastric juice of Fish. Journal of Hazardous Materials, 2021, 401, 123421.	12.4	24
137	Role of human flavin-containing monooxygenases in the sulfoxidation of [14C]aldicarb. Pesticide Biochemistry and Physiology, 2002, 73, 67-73.	3.6	23
138	Characterization of Phase I biotransformation enzymes in coho salmon (Oncorhynchus kisutch). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 147, 78-84.	2.6	23
139	Impacts of Salinity and Temperature on the Thyroidogenic Effects of the Biocide Diuron in Menidia beryllina. Environmental Science & Technology, 2018, 52, 3146-3155.	10.0	23
140	Antibiotic Chlortetracycline Causes Transgenerational Immunosuppression via NF-Î°B. Environmental Science & Technology, 2022, 56, 4251-4261.	10.0	23
141	Determination of multiple forms of cytochrome P-450 in microsomes from the digestive gland of Cryptochitonstelleri. Biochemical and Biophysical Research Communications, 1989, 163, 476-480.	2.1	22
142	A comparison of endogenous and exogenous substrates of the flavin-containing monooxygenases in aquatic organisms. Aquatic Toxicology, 1993, 26, 157-162.	4.0	22
143	Effect of Simulated Copper Sulfate Therapy on Stress Indicators in Channel Catfish. Journal of Aquatic Animal Health, 1999, 11, 231-236.	1.4	22
144	Predicted transport of pyrethroid insecticides from an urban landscape to surface water. Environmental Toxicology and Chemistry, 2013, 32, 2469-2477.	4.3	22

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145	Mechanisms of Selenomethionine Developmental Toxicity and the Impacts of Combined Hypersaline Conditions on Japanese Medaka (Oryzias latipes). Environmental Science & Technology, 2014, 48, 7062-7068.	10.0	22
146	Differential Gene Expression in Liver, Gill, and Olfactory Rosettes of Coho Salmon (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	22
147	Analyses of organic and inorganic contaminants in Salton Sea fish. Marine Pollution Bulletin, 2002, 44, 403-411.	5.0	21
148	Modulation of Neuro-Dopamine Homeostasis in Juvenile Female Atlantic Cod (Gadus morhua) Exposed to Polycyclic Aromatic Hydrocarbons and Perfluoroalkyl Substances. Environmental Science & Technology, 2019, 53, 7036-7044.	10.0	21
149	Seasonal evaluation of reproductive status and exposure to environmental estrogens in hornyhead turbot at the municipal wastewater outfall of Orange County, CA. Environmental Toxicology, 2007, 22, 464-471.	4.0	20
150	Effects of salinity acclimation on the endocrine disruption and acute toxicity of bifenthrin in freshwater and euryhaline strains of Oncorhynchus mykiss. Environmental Toxicology and Chemistry, 2013, 32, 2779-2785.	4.3	20
151	Effects of environmental exposure to diazepam on the reproductive behavior of fathead minnow, <scp>P</scp>imephales promelas. Environmental Toxicology, 2016, 31, 561-568.	4.0	20
152	Evaluation of the stereoselective biotransformation of permethrin in human liver microsomes: Contributions of cytochrome P450 monooxygenases to the formation of estrogenic metabolites. Toxicology Letters, 2014, 226, 192-197.	0.8	20
153	The role of biomarkers in risk assessment. Human and Ecological Risk Assessment (HERA), 1996, 2, 251-256.	3.4	19
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