

# Mark E Hahn

## List of Publications by Citations

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#	Paper	IF	Citations
173	The genome of the sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Science</i> , <b>2006</b> , 314, 941-52	33.3	886
172	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , <b>2013</b> , 496, 311-6	50.4	488
171	Aryl hydrocarbon receptors: diversity and evolution. <i>Chemico-Biological Interactions</i> , <b>2002</b> , 141, 131-60	5	484
170	Effects of ortho- and non-ortho-substituted polychlorinated biphenyl congeners on the hepatic monooxygenase system in scup ( <i>Stenotomus chrysops</i> ). <i>Toxicology and Applied Pharmacology</i> , <b>1989</b> , 98, 422-33	4.6	254
169	The genomic landscape of rapid repeated evolutionary adaptation to toxic pollution in wild fish. <i>Science</i> , <b>2016</b> , 354, 1305-1308	33.3	250
168	Molecular evolution of two vertebrate aryl hydrocarbon (dioxin) receptors (AHR1 and AHR2) and the PAS family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 13743-8	11.5	239
167	Cytochrome P4501A induction and inhibition by 3,3',4,4'-tetrachlorobiphenyl in an Ah receptor-containing fish hepatoma cell line (PLHC-1). <i>Aquatic Toxicology</i> , <b>1993</b> , 26, 185-208	5.1	219
166	The chemical defensome: environmental sensing and response genes in the <i>Strongylocentrotus purpuratus</i> genome. <i>Developmental Biology</i> , <b>2006</b> , 300, 366-84	3.1	200
165	A ligand for the aryl hydrocarbon receptor isolated from lung. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 14694-9	11.5	197
164	The aryl hydrocarbon receptor: a comparative perspective. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1998</b> , 121, 23-53		182
163	Mechanistic basis of resistance to PCBs in Atlantic tomcod from the Hudson River. <i>Science</i> , <b>2011</b> , 331, 1322-5	33.3	169
162	<i>Fundulus</i> as the premier teleost model in environmental biology: opportunities for new insights using genomics. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , <b>2007</b> , 2, 257-86	3.86	160
161	The molecular basis for differential dioxin sensitivity in birds: role of the aryl hydrocarbon receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6252-7	11.5	159
160	Relative contributions of affinity and intrinsic efficacy to aryl hydrocarbon receptor ligand potency. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 168, 160-72	4.6	148
159	The zebrafish ( <i>Danio rerio</i> ) aryl hydrocarbon receptor type 1 is a novel vertebrate receptor. <i>Molecular Pharmacology</i> , <b>2002</b> , 62, 234-49	4.3	143
158	Photoaffinity labeling of the Ah receptor: phylogenetic survey of diverse vertebrate and invertebrate species. <i>Archives of Biochemistry and Biophysics</i> , <b>1994</b> , 310, 218-28	4.1	132
157	An aryl hydrocarbon receptor (AHR) homologue from the soft-shell clam, <i>Mya arenaria</i> : evidence that invertebrate AHR homologues lack 2,3,7,8-tetrachlorodibenzo-p-dioxin and beta-naphthoflavone binding. <i>Gene</i> , <b>2001</b> , 278, 223-34	3.8	130

156	Rapid assessment of induced cytochrome P4501 a protein and catalytic activity in fish hepatoma cells grown in multiwell plates: Response to TCDD, TCDF, and two planar PCBS. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 582-591	3.8	129
155	Acquired resistance to Ah receptor agonists in a population of Atlantic killifish ( <i>Fundulus heteroclitus</i> ) inhabiting a marine superfund site: in vivo and in vitro studies on the inducibility of xenobiotic metabolizing enzymes. <i>Toxicological Sciences</i> , <b>2001</b> , 60, 77-91	4.4	128
154	Identification and functional characterization of two highly divergent aryl hydrocarbon receptors (AHR1 and AHR2) in the teleost <i>Fundulus heteroclitus</i> . Evidence for a novel subfamily of ligand-binding basic helix loop helix-Per-ARNT-Sim (bHLH-PAS) factors. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 33814-24	5.4	127
153	Regulation of constitutive and inducible AHR signaling: complex interactions involving the AHR repressor. <i>Biochemical Pharmacology</i> , <b>2009</b> , 77, 485-97	6	122
152	Role of AHR2 in the expression of novel cytochrome P450 1 family genes, cell cycle genes, and morphological defects in developing zebra fish exposed to 3,3,4,4,5-pentachlorobiphenyl or 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , <b>2007</b> , 100, 180-93	4.4	122
151	Binding of polycyclic aromatic hydrocarbons (PAHs) to teleost aryl hydrocarbon receptors (AHRs). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2002</b> , 133, 55-68	2.3	122
150	AHR1B, a new functional aryl hydrocarbon receptor in zebrafish: tandem arrangement of <i>ahr1b</i> and <i>ahr2</i> genes. <i>Biochemical Journal</i> , <b>2005</b> , 392, 153-61	3.8	119
149	Key amino acids in the aryl hydrocarbon receptor predict dioxin sensitivity in avian species. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 7535-41	10.3	117
148	. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 582	3.8	116
147	Repression of aryl hydrocarbon receptor (AHR) signaling by AHR repressor: role of DNA binding and competition for AHR nuclear translocator. <i>Molecular Pharmacology</i> , <b>2008</b> , 73, 387-98	4.3	109
146	Unexpected diversity of aryl hydrocarbon receptors in non-mammalian vertebrates: insights from comparative genomics. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , <b>2006</b> , 305, 693-706		109
145	Regulatory interactions among three members of the vertebrate aryl hydrocarbon receptor family: AHR repressor, AHR1, and AHR2. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 6949-59	5.4	108
144	Catalytic and immunochemical characterization of hepatic microsomal cytochromes P450 in beluga whale ( <i>Delphinapterus leucas</i> ). <i>Toxicology and Applied Pharmacology</i> , <b>1994</b> , 126, 45-57	4.6	105
143	Regulation of cytochrome P4501A1 in teleosts: sustained induction of CYP1A1 mRNA, protein, and catalytic activity by 2,3,7,8-tetrachlorodibenzofuran in the marine fish <i>Stenotomus chrysops</i> . <i>Toxicology and Applied Pharmacology</i> , <b>1994</b> , 127, 187-98	4.6	96
142	Two forms of aryl hydrocarbon receptor type 2 in rainbow trout ( <i>Oncorhynchus mykiss</i> ). Evidence for differential expression and enhancer specificity. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 15159-66	5.4	92
141	Biomarkers and bioassays for detecting dioxin-like compounds in the marine environment. <i>Science of the Total Environment</i> , <b>2002</b> , 289, 49-69	10.2	90
140	Glutathione redox dynamics and expression of glutathione-related genes in the developing embryo. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 89-101	7.8	87
139	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> , <b>2013</b> , 131, 139-52	4.4	87

138	Immunohistochemical localization of environmentally induced cytochrome P450IA1 in multiple organs of the marine teleost <i>Stenotomus chrysops</i> (Scup). <i>Toxicology and Applied Pharmacology</i> , <b>1991</b> , 110, 486-504	4.6	87
137	Developmental and tissue-specific expression of AHR1, AHR2, and ARNT2 in dioxin-sensitive and -resistant populations of the marine fish <i>Fundulus heteroclitus</i> . <i>Toxicological Sciences</i> , <b>2000</b> , 57, 229-39	4.4	81
136	2,3,7,8-Tetrachlorodibenzo-p-dioxin induces apoptotic cell death and cytochrome P450IA expression in developing <i>Fundulus heteroclitus</i> embryos. <i>Aquatic Toxicology</i> , <b>2001</b> , 53, 127-38	5.1	78
135	Identification of cinnabarinic acid as a novel endogenous aryl hydrocarbon receptor ligand that drives IL-22 production. <i>PLoS ONE</i> , <b>2014</b> , 9, e87877	3.7	76
134	Chronic retene exposure causes sustained induction of CYP1A activity and protein in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 2347-2353	3.8	75
133	Duplicate aryl hydrocarbon receptor repressor genes ( <i>ahrr1</i> and <i>ahrr2</i> ) in the zebrafish <i>Danio rerio</i> : structure, function, evolution, and AHR-dependent regulation in vivo. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 441, 151-67	4.1	73
132	The aryl hydrocarbon receptor constitutively represses c-myc transcription in human mammary tumor cells. <i>Oncogene</i> , <b>2005</b> , 24, 7869-81	9.2	73
131	Dioxin toxicology and the aryl hydrocarbon receptor: insights from fish and other non-traditional models. <i>Marine Biotechnology</i> , <b>2001</b> , 3, S224-38	3.4	72
130	Serum alters the uptake and relative potencies of halogenated aromatic hydrocarbons in cell culture bioassays. <i>Toxicological Sciences</i> , <b>2000</b> , 53, 316-25	4.4	70
129	The Ah receptor in marine animals: phylogenetic distribution and relationship to cytochrome P450IA inducibility. <i>Marine Environmental Research</i> , <b>1992</b> , 34, 87-92	3.3	70
128	Interaction of hexachlorobenzene with the receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin in vitro and in vivo. Evidence that hexachlorobenzene is a weak Ah receptor agonist. <i>Archives of Biochemistry and Biophysics</i> , <b>1989</b> , 270, 344-55	4.1	69
127	Two zebrafish alcohol dehydrogenases share common ancestry with mammalian class I, II, IV, and V alcohol dehydrogenase genes but have distinct functional characteristics. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 38303-12	5.4	68
126	Nrf2b, novel zebrafish paralog of oxidant-responsive transcription factor NF-E2-related factor 2 (NRF2). <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 4609-27	5.4	67
125	When evolution is the solution to pollution: Key principles, and lessons from rapid repeated adaptation of killifish ( <i>Fundulus heteroclitus</i> ) populations. <i>Evolutionary Applications</i> , <b>2017</b> , 10, 762-783	4.8	64
124	Functional characterization and evolutionary history of two aryl hydrocarbon receptor isoforms (AhR1 and AhR2) from avian species. <i>Toxicological Sciences</i> , <b>2007</b> , 99, 101-17	4.4	63
123	Aryl hydrocarbon receptor polymorphisms and dioxin resistance in Atlantic killifish ( <i>Fundulus heteroclitus</i> ). <i>Pharmacogenetics and Genomics</i> , <b>2004</b> , 14, 131-43		63
122	Expression and inducibility of aryl hydrocarbon receptor pathway genes in wild-caught killifish ( <i>Fundulus heteroclitus</i> ) with different contaminant-exposure histories. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2337-43	3.8	58
121	Diversity as Opportunity: Insights from 600 Million Years of AHR Evolution. <i>Current Opinion in Toxicology</i> , <b>2017</b> , 2, 58-71	4.4	57

120	Cytochromes P450 (CYP) in the <i>Poeciliopsis lucida</i> hepatocellular carcinoma cell line (PLHC-1): dose- and time-dependent glucocorticoid potentiation of CYP1A induction without induction of CYP3A. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 329, 113-22	4.1	56
119	Nrf2 and Nrf2-related proteins in development and developmental toxicity: Insights from studies in zebrafish ( <i>Danio rerio</i> ). <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 88, 275-289	7.8	55
118	Comparative analysis of homology models of the AH receptor ligand binding domain: verification of structure-function predictions by site-directed mutagenesis of a nonfunctional receptor. <i>Biochemistry</i> , <b>2013</b> , 52, 714-25	3.2	55
117	The bioflavonoid galangin blocks aryl hydrocarbon receptor activation and polycyclic aromatic hydrocarbon-induced pre-B cell apoptosis. <i>Molecular Pharmacology</i> , <b>2000</b> , 58, 515-25	4.3	55
116	The role of polycyclic aromatic hydrocarbon metabolism in dimethylbenz[a]anthracene-induced pre-B lymphocyte apoptosis. <i>Toxicology and Applied Pharmacology</i> , <b>1999</b> , 161, 10-22	4.6	55
115	The tryptophan photoproduct 6-formylindolo[3,2-b]carbazole (FICZ) binds multiple AHRs and induces multiple CYP1 genes via AHR2 in zebrafish. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 181, 447-54	5	51
114	Functional diversity of vertebrate ARNT proteins: identification of ARNT2 as the predominant form of ARNT in the marine teleost, <i>Fundulus heteroclitus</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 361, 156-63	4.1	49
113	Uroporphyrin accumulation associated with cytochrome P4501A induction in fish hepatoma cells exposed to aryl hydrocarbon receptor agonists, including 2,3,7,8-tetrachlorodibenzo-p-dioxin and planar chlorobiphenyls. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 329, 163-74	4.1	49
112	Generalized concentration addition predicts joint effects of aryl hydrocarbon receptor agonists with partial agonists and competitive antagonists. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 666-72	8.4	47
111	Sequence and in vitro function of chicken, ring-necked pheasant, and Japanese quail AHR1 predict in vivo sensitivity to dioxins. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 2967-75	10.3	46
110	Development of the morpholino gene knockdown technique in <i>Fundulus heteroclitus</i> : a tool for studying molecular mechanisms in an established environmental model. <i>Aquatic Toxicology</i> , <b>2008</b> , 87, 289-95	5.1	46
109	Expression of P-glycoprotein in killifish ( <i>Fundulus heteroclitus</i> ) exposed to environmental xenobiotics. <i>Aquatic Toxicology</i> , <b>2002</b> , 59, 237-51	5.1	46
108	Distinct roles of two zebrafish AHR repressors (AHRRA and AHRRb) in embryonic development and regulating the response to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , <b>2009</b> , 110, 426-41	4.4	45
107	Transcriptomic assessment of resistance to effects of an aryl hydrocarbon receptor (AHR) agonist in embryos of Atlantic killifish ( <i>Fundulus heteroclitus</i> ) from a marine Superfund site. <i>BMC Genomics</i> , <b>2011</b> , 12, 263	4.5	42
106	Blubber morphology in wild bottlenose dolphins ( <i>Tursiops truncatus</i> ) from the Southeastern United States: influence of geographic location, age class, and reproductive state. <i>Journal of Morphology</i> , <b>2008</b> , 269, 496-511	1.6	41
105	Genetic variation at aryl hydrocarbon receptor (AHR) loci in populations of Atlantic killifish ( <i>Fundulus heteroclitus</i> ) inhabiting polluted and reference habitats. <i>BMC Evolutionary Biology</i> , <b>2014</b> , 14, 6	3	40
104	Regulation of Ahr signaling by Nrf2 during development: Effects of Nrf2a deficiency on PCB126 embryotoxicity in zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , <b>2015</b> , 167, 157-71	5.1	40
103	The role of Nrf1 and Nrf2 in the regulation of glutathione and redox dynamics in the developing zebrafish embryo. <i>Redox Biology</i> , <b>2017</b> , 13, 207-218	11.3	39

102	The transcriptional response to oxidative stress during vertebrate development: effects of tert-butylhydroquinone and 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>PLoS ONE</i> , <b>2014</b> , 9, e113158	3-7	39
101	Functional characterization of a full length pregnane X receptor, expression in vivo, and identification of PXR alleles, in zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , <b>2013</b> , 142-143, 447-57	5-1	38
100	The active form of human aryl hydrocarbon receptor (AHR) repressor lacks exon 8, and its Pro 185 and Ala 185 variants repress both AHR and hypoxia-inducible factor. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 3465-77	4-8	38
99	Identification and functional characterization of hypoxia-inducible factor 2alpha from the estuarine teleost, <i>Fundulus heteroclitus</i> : interaction of HIF-2alpha with two ARNT2 splice variants. <i>The Journal of Experimental Zoology</i> , <b>2002</b> , 294, 17-29		38
98	Role of DNA methylation of AHR1 and AHR2 promoters in differential sensitivity to PCBs in Atlantic Killifish, <i>Fundulus heteroclitus</i> . <i>Aquatic Toxicology</i> , <b>2011</b> , 101, 288-94	5-1	37
97	cDNA cloning and characterization of a high affinity aryl hydrocarbon receptor in a cetacean, the beluga, <i>Delphinapterus leucas</i> . <i>Toxicological Sciences</i> , <b>2001</b> , 64, 41-56	4-4	37
96	Cytochrome P4501A1 expression, polychlorinated biphenyls and hydroxylated metabolites, and adipocyte size of bottlenose dolphins from the Southeast United States. <i>Aquatic Toxicology</i> , <b>2008</b> , 86, 397-412	5-1	36
95	Developmental expression of the Nfe2-related factor (Nrf) transcription factor family in the zebrafish, <i>Danio rerio</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e79574	3-7	35
94	Halogenated aromatic hydrocarbon-mediated porphyrin accumulation and induction of cytochrome P4501A in chicken embryo hepatocytes. <i>Biochemical Pharmacology</i> , <b>1997</b> , 53, 373-84	6	35
93	Functional properties of the four Atlantic salmon ( <i>Salmo salar</i> ) aryl hydrocarbon receptor type 2 (AHR2) isoforms. <i>Aquatic Toxicology</i> , <b>2008</b> , 86, 121-30	5-1	35
92	Redox stress and signaling during vertebrate embryonic development: Regulation and responses. <i>Seminars in Cell and Developmental Biology</i> , <b>2018</b> , 80, 17-28	7-5	34
91	The landscape of extreme genomic variation in the highly adaptable Atlantic killifish. <i>Genome Biology and Evolution</i> , <b>2017</b> , 9, 659-676	3-9	34
90	Effects of short-term exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin on microRNA expression in zebrafish embryos. <i>Toxicology and Applied Pharmacology</i> , <b>2012</b> , 264, 262-73	4-6	34
89	Aryl hydrocarbon receptor function in early vertebrates: inducibility of cytochrome P450 1A in agnathan and elasmobranch fish. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1998</b> , 120, 67-75		34
88	In silico identification of an aryl hydrocarbon receptor antagonist with biological activity in vitro and in vivo. <i>Molecular Pharmacology</i> , <b>2014</b> , 86, 593-608	4-3	33
87	Targeted mutagenesis of aryl hydrocarbon receptor 2a and 2b genes in Atlantic killifish ( <i>Fundulus heteroclitus</i> ). <i>Aquatic Toxicology</i> , <b>2015</b> , 158, 192-201	5-1	33
86	Estrogen responses in killifish ( <i>Fundulus heteroclitus</i> ) from polluted and unpolluted environments are site- and gene-specific. <i>Aquatic Toxicology</i> , <b>2010</b> , 99, 291-9	5-1	32
85	Organohalogen contaminants and metabolites in cerebrospinal fluid and cerebellum gray matter in short-beaked common dolphins and Atlantic white-sided dolphins from the western North Atlantic. <i>Environmental Pollution</i> , <b>2009</b> , 157, 2345-58	9-3	32

84	The Ah Receptor: Adaptive Metabolism, Ligand Diversity, and the Xenokine Model. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 860-879	4	31
83	Perspectives on zebrafish as a model in environmental toxicology. <i>Fish Physiology</i> , <b>2010</b> , 367-439	2	31
82	Cytochrome P4501A induction and porphyrin accumulation in PLHC-1 fish cells exposed to sediment and oil shale extracts. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2000</b> , 38, 59-69 <sup>3-2</sup>	3-2	31
81	Towards molecular understanding of species differences in dioxin sensitivity: initial characterization of Ah receptor cDNAs in birds and an amphibian. <i>Marine Environmental Research</i> , <b>2000</b> , 50, 51-6	3-3	31
80	Uptake of waterborne 3,3',4,4'-tetrachlorobiphenyl and organ and cell-specific induction of cytochrome P4501A in adult and larval fathead minnow <i>Pimephales promelas</i> . <i>Aquatic Toxicology</i> , <b>1994</b> , 28, 147-167	5-1	31
79	Phylogenetic distribution of the Ah receptor in non-mammalian species: implications for dioxin toxicity and Ah receptor evolution. <i>Chemosphere</i> , <b>1992</b> , 25, 931-937	8-4	31
78	. <i>Environmental Toxicology and Chemistry</i> , <b>1997</b> , 16, 900	3-8	30
77	Reduced cytochrome P4501A activity and recovery from oxidative stress during subchronic benzo[a]pyrene and benzo[e]pyrene treatment of rainbow trout. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 254, 1-7	4-6	29
76	Biological effects of 6-formylindolo[3,2-b]carbazole (FICZ) in vivo are enhanced by loss of CYP1A function in an Ahr2-dependent manner. <i>Biochemical Pharmacology</i> , <b>2016</b> , 110-111, 117-29	6	28
75	Regulation of pregnane-X-receptor, CYP3A and P-glycoprotein genes in the PCB-resistant killifish ( <i>Fundulus heteroclitus</i> ) population from New Bedford Harbor. <i>Aquatic Toxicology</i> , <b>2015</b> , 159, 198-207	5-1	27
74	Gene knockdown by morpholino-modified oligonucleotides in the zebrafish ( <i>Danio rerio</i> ) model: applications for developmental toxicology. <i>Methods in Molecular Biology</i> , <b>2012</b> , 889, 51-71	1-4	27
73	Brominated flame retardants and organochlorine contaminants in winter flounder, harp and hooded seals, and North Atlantic right whales from the Northwest Atlantic Ocean. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 60, 1160-9	6-7	25
72	Glucocorticoid-xenobiotic interactions: Dexamethasone-mediated potentiation of cytochrome P4501A induction by 6-phenanthroflavone in a fish hepatoma cell line (PLHC-1). <i>Environmental Toxicology and Chemistry</i> , <b>1997</b> , 16, 900-907	3-8	25
71	Comparison of two bioassays, a fish liver cell line (PLHC-1) and a midge ( <i>Chironomus riparius</i> ), in monitoring freshwater sediments. <i>Aquatic Toxicology</i> , <b>1998</b> , 44, 47-67	5-1	24
70	A fish hepatoma cell line (PLHC-1) as a tool to study cytotoxicity and CYP1A induction properties of cellulose and wood chip extracts. <i>Chemosphere</i> , <b>1998</b> , 36, 2921-32	8-4	24
69	Biological activity and physicochemical parameters of marine halogenated natural products 2,3,3',4,4',5,5'-heptachloro-1-methyl-1,2-bipyrrole and 2,4,6-tribromoanisole. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2005</b> , 48, 1-9	3-2	24
68	Differential sensitivity to pro-oxidant exposure in two populations of killifish ( <i>Fundulus heteroclitus</i> ). <i>Ecotoxicology</i> , <b>2013</b> , 22, 387-401	2-9	23
67	Naturally produced halogenated dimethyl bipyrroles bind to the aryl hydrocarbon receptor and induce cytochrome P4501A and porphyrin accumulation in chicken embryo hepatocytes. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 1622-1631	3-8	23

66	Induction of cytochrome P-450E (P-450IA1) by 2,3,7,8-tetrachlorodibenzofuran (2,3,7,8-TCDF) in the marine fish scup ( <i>Stenotomus chrysops</i> ). <i>Marine Environmental Research</i> , <b>1989</b> , 28, 61-65	3.3	23
65	Cytochrome P450IA induction in avian hepatocyte cultures: a promising approach for predicting the sensitivity of avian species to toxic effects of halogenated aromatic hydrocarbons. <i>Toxicology and Applied Pharmacology</i> , <b>1996</b> , 141, 214-30	4.6	23
64	Delayed effects of developmental exposure to low levels of the aryl hydrocarbon receptor agonist 3,3',4,4'-pentachlorobiphenyl (PCB126) on adult zebrafish behavior. <i>NeuroToxicology</i> , <b>2016</b> , 52, 134-43	4.4	22
63	Mechanistic research in aquatic toxicology: perspectives and future directions. <i>Aquatic Toxicology</i> , <b>2011</b> , 105, 67-71	5.1	21
62	Cytochrome P450 diversity and induction by gorgonian allelochemicals in the marine gastropod <i>Cyphoma gibbosum</i> . <i>BMC Ecology</i> , <b>2010</b> , 10, 24	2.7	21
61	Proteomic identification, cDNA cloning and enzymatic activity of glutathione S-transferases from the generalist marine gastropod, <i>Cyphoma gibbosum</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 478, 7-17	4.1	21
60	Estrogen receptor-related receptors in the killifish <i>Fundulus heteroclitus</i> : diversity, expression, and estrogen responsiveness. <i>Journal of Molecular Endocrinology</i> , <b>2006</b> , 37, 105-20	4.5	21
59	Fish models in toxicology. <i>Zebrafish</i> , <b>2007</b> , 4, 9-20	2	21
58	Neuroanatomy of the subadult and fetal brain of the Atlantic white-sided dolphin ( <i>Lagenorhynchus acutus</i> ) from in situ magnetic resonance images. <i>Anatomical Record</i> , <b>2007</b> , 290, 1459-79	2.1	20
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