

Mark E Hahn

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9268211/mark-e-hahn-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

173
papers

10,335
citations

55
h-index

97
g-index

192
ext. papers

11,222
ext. citations

5.6
avg, IF

6.08
L-index

#	Paper	IF	Citations
173	Nematostella vectensis exhibits an enhanced molecular stress response upon co-exposure to highly weathered oil and surface UV radiation.. <i>Marine Environmental Research</i> , 2022 , 175, 105569	3.3	
172	The aryl hydrocarbon receptor: A predominant mediator for the toxicity of emerging dioxin-like compounds.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128084	12.8	0
171	Developmental Exposure to Domoic Acid Disrupts Startle Response Behavior and Circuitry in Zebrafish. <i>Toxicological Sciences</i> , 2021 , 182, 310-326	4.4	5
170	Developmental Neurotoxicity of the Harmful Algal Bloom Toxin Domoic Acid: Cellular and Molecular Mechanisms Underlying Altered Behavior in the Zebrafish Model. <i>Environmental Health Perspectives</i> , 2020 , 128, 117002	8.4	9
169	The Ah Receptor: Adaptive Metabolism, Ligand Diversity, and the Xenokine Model. <i>Chemical Research in Toxicology</i> , 2020 , 33, 860-879	4	31
168	Molecular and Functional Properties of the Atlantic Cod () Aryl Hydrocarbon Receptors Ahr1a and Ahr2a. <i>Environmental Science & Technology</i> , 2020 , 54, 1033-1044	10.3	11
167	A Review of the Functional Roles of the Zebrafish Aryl Hydrocarbon Receptors. <i>Toxicological Sciences</i> , 2020 , 178, 215-238	4.4	7
166	An aryl hydrocarbon receptor from the caecilian <i>Gymnopsis multiplicata</i> suggests low dioxin affinity in the ancestor of all three amphibian orders. <i>General and Comparative Endocrinology</i> , 2020 , 299, 113592 ³		2
165	Evolutionary concepts can benefit both fundamental research and applied research in toxicology (A comment on Brady et al. 2017). <i>Evolutionary Applications</i> , 2019 , 12, 350-352	4.8	2
164	Aryl hydrocarbon receptor-mediated activity of gas-phase ambient air derived from passive sampling and an in vitro bioassay. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 748-759	3.8	1
163	Transcriptomic analysis of <i>Anabas testudineus</i> and its defensive mechanisms in response to persistent organic pollutants exposure. <i>Science of the Total Environment</i> , 2019 , 669, 621-630	10.2	8
162	Altered lipid homeostasis in a PCB-resistant Atlantic killifish (<i>Fundulus heteroclitus</i>) population from New Bedford Harbor, MA, U.S.A. <i>Aquatic Toxicology</i> , 2019 , 210, 30-43	5.1	3
161	Characterization of the Aryl Hydrocarbon Receptor (AhR) Pathway in and Mechanistic Exploration of the Reduced Sensitivity of AhR2a. <i>Environmental Science & Technology</i> , 2019 , 53, 12803-12811	10.3	3
160	Developmental Regulation of Nuclear Factor Erythroid-2 Related Factors (nrfs) by AHR1b in Zebrafish (<i>Danio rerio</i>). <i>Toxicological Sciences</i> , 2019 , 167, 536-545	4.4	3
159	Molecular adaptation to high pressure in cytochrome P450 1A and aryl hydrocarbon receptor systems of the deep-sea fish <i>Coryphaenoides armatus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018 , 1866, 155-165	4	4
158	Redox stress and signaling during vertebrate embryonic development: Regulation and responses. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 80, 17-28	7.5	34
157	The liver transcriptome of suckermouth armoured catfish (<i>Pterygoplichthys anisitsi</i> , Loricariidae): Identification of expansions in defensome gene families. <i>Marine Pollution Bulletin</i> , 2017 , 115, 352-361	6.7	10

156	Diversity as Opportunity: Insights from 600 Million Years of AHR Evolution. <i>Current Opinion in Toxicology</i> , 2017 , 2, 58-71	4.4	57
155	When evolution is the solution to pollution: Key principles, and lessons from rapid repeated adaptation of killifish (<i>Oryzias latipes</i>) populations. <i>Evolutionary Applications</i> , 2017 , 10, 762-783	4.8	64
154	The role of Nrf1 and Nrf2 in the regulation of glutathione and redox dynamics in the developing zebrafish embryo. <i>Redox Biology</i> , 2017 , 13, 207-218	11.3	39
153	Sequence and functional characterization of hypoxia-inducible factors, HIF1 α /HIF2 β , and HIF3 α from the estuarine fish, <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R412-R425	3.2	8
152	Ryanodine receptor and FK506 binding protein 1 in the Atlantic killifish (<i>Fundulus heteroclitus</i>): A phylogenetic and population-based comparison. <i>Aquatic Toxicology</i> , 2017 , 192, 105-115	5.1	8
151	The landscape of extreme genomic variation in the highly adaptable Atlantic killifish. <i>Genome Biology and Evolution</i> , 2017 , 9, 659-676	3.9	34
150	Integrating Monitoring and Genetic Methods To Infer Historical Risks of PCBs and DDE to Common and Roseate Terns Nesting Near the New Bedford Harbor Superfund Site (Massachusetts, USA). <i>Environmental Science & Technology</i> , 2016 , 50, 10226-35	10.3	9
149	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> , 2016 , 110-111, 117-29	6	28
148	Delayed effects of developmental exposure to low levels of the aryl hydrocarbon receptor agonist 3,3',4,4'-tetrachlorobiphenyl (PCB126) on adult zebrafish behavior. <i>NeuroToxicology</i> , 2016 , 52, 134-43	4.4	22
147	The genomic landscape of rapid repeated evolutionary adaptation to toxic pollution in wild fish. <i>Science</i> , 2016 , 354, 1305-1308	33.3	250
146	An Aryl Hydrocarbon Receptor from the Salamander <i>Ambystoma mexicanum</i> Exhibits Low Sensitivity to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Environmental Science & Technology</i> , 2015 , 49, 6993-7001	10.3	7
145	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> , 2015 , 88, 275-289	7.8	55
144	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> , 2015 , 159, 198-207	5.1	27
143	Naturally occurring marine brominated indoles are aryl hydrocarbon receptor ligands/agonists. <i>Chemical Research in Toxicology</i> , 2015 , 28, 1176-85	4	15
142	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> , 2015 , 167, 157-71	5.1	40
141	Targeted mutagenesis of aryl hydrocarbon receptor 2a and 2b genes in Atlantic killifish (<i>Fundulus heteroclitus</i>). <i>Aquatic Toxicology</i> , 2015 , 158, 192-201	5.1	33
140	Aryl hydrocarbon receptor (AHR) in the cnidarian <i>Nematostella vectensis</i> : comparative expression, protein interactions, and ligand binding. <i>Development Genes and Evolution</i> , 2014 , 224, 13-24	1.8	18
139	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> , 2014 , 14, 6	3	40

138	Knockdown of a zebrafish aryl hydrocarbon receptor repressor (AHRRa) affects expression of genes related to photoreceptor development and hematopoiesis. <i>Toxicological Sciences</i> , 2014 , 139, 381-95	4.4	17
137	In silico identification of an aryl hydrocarbon receptor antagonist with biological activity in vitro and in vivo. <i>Molecular Pharmacology</i> , 2014 , 86, 593-608	4.3	33
136	Species-specific relative AHR1 binding affinities of 2,3,4,7,8-pentachlorodibenzofuran explain avian species differences in its relative potency. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014 , 161, 21-5	3.2	6
135	Identification of cinnabarinic acid as a novel endogenous aryl hydrocarbon receptor ligand that drives IL-22 production. <i>PLoS ONE</i> , 2014 , 9, e87877	3.7	76
134	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> , 2014 , 9, e113158	3.7	39
133	Glutathione redox dynamics and expression of glutathione-related genes in the developing embryo. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 89-101	7.8	87
132	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> , 2013 , 142-143, 447-57	5.1	38
131	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> , 2013 , 52, 714-25	3.2	55
130	Developmental exposure to valproic acid alters the expression of microRNAs involved in neurodevelopment in zebrafish. <i>Neurotoxicology and Teratology</i> , 2013 , 40, 46-58	3.9	18
129	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , 2013 , 496, 311-6	50.4	488
128	Differential sensitivity to pro-oxidant exposure in two populations of killifish (<i>Fundulus heteroclitus</i>). <i>Ecotoxicology</i> , 2013 , 22, 387-401	2.9	23
127	Specific ligand binding domain residues confer low dioxin responsiveness to AHR1 in <i>Xenopus laevis</i> . <i>Biochemistry</i> , 2013 , 52, 1746-54	3.2	16
126	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> , 2013 , 131, 139-52	4.4	87
125	Developmental expression of the Nfe2-related factor (Nrf) transcription factor family in the zebrafish, <i>Danio rerio</i> . <i>PLoS ONE</i> , 2013 , 8, e79574	3.7	35
124	Sequence and in vitro function of chicken, ring-necked pheasant, and Japanese quail AHR1 predict in vivo sensitivity to dioxins. <i>Environmental Science & Technology</i> , 2012 , 46, 2967-75	10.3	46
123	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> , 2012 , 264, 262-73	4.6	34
122	Gene knockdown by morpholino-modified oligonucleotides in the zebrafish (<i>Danio rerio</i>) model: applications for developmental toxicology. <i>Methods in Molecular Biology</i> , 2012 , 889, 51-71	1.4	27
121	Nrf2b, novel zebrafish paralog of oxidant-responsive transcription factor NF-E2-related factor 2 (NRF2). <i>Journal of Biological Chemistry</i> , 2012 , 287, 4609-27	5.4	67

120	Structural and Functional Diversification of AHRs during Metazoan Evolution 2011 , 387-403		2
119	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> , 2011 , 101, 288-94	5.1	37
118	Mechanistic research in aquatic toxicology: perspectives and future directions. <i>Aquatic Toxicology</i> , 2011 , 105, 67-71	5.1	21
117	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> , 2011 , 254, 1-7	4.6	29
116	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> , 2011 , 12, 263	4.5	42
115	Mechanistic basis of resistance to PCBs in Atlantic tomcod from the Hudson River. <i>Science</i> , 2011 , 331, 1322-5	33.3	169
114	Generalized concentration addition predicts joint effects of aryl hydrocarbon receptor agonists with partial agonists and competitive antagonists. <i>Environmental Health Perspectives</i> , 2010 , 118, 666-72	8.4	47
113	Estrogen responses in killifish (<i>Fundulus heteroclitus</i>) from polluted and unpolluted environments are site- and gene-specific. <i>Aquatic Toxicology</i> , 2010 , 99, 291-9	5.1	32
112	Developing tools for risk assessment in protected species: Relative potencies inferred from competitive binding of halogenated aromatic hydrocarbons to aryl hydrocarbon receptors from beluga (<i>Delphinapterus leucas</i>) and mouse. <i>Aquatic Toxicology</i> , 2010 , 100, 238-45	5.1	10
111	Perspectives on zebrafish as a model in environmental toxicology. <i>Fish Physiology</i> , 2010 , 367-439	2	31
110	The role of multixenobiotic transporters in predatory marine molluscs as counter-defense mechanisms against dietary allelochemicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 288-300	3.2	13
109	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> , 2010 , 60, 1160-9	6.7	25
108	Cytochrome P450 diversity and induction by gorgonian allelochemicals in the marine gastropod <i>Cyphoma gibbosum</i> . <i>BMC Ecology</i> , 2010 , 10, 24	2.7	21
107	Biochemical warfare on the reef: the role of glutathione transferases in consumer tolerance of dietary prostaglandins. <i>PLoS ONE</i> , 2010 , 5, e8537	3.7	12
106	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> , 2009 , 110, 426-41	4.4	45
105	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> , 2009 , 29, 3465-77	4.8	38
104	Regulation of constitutive and inducible AHR signaling: complex interactions involving the AHR repressor. <i>Biochemical Pharmacology</i> , 2009 , 77, 485-97	6	122
103	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> , 2009 , 181, 447-54	5	51

102	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> , 2009 , 157, 2345-58	9.3	32
101	Interaction of fish aryl hydrocarbon receptor paralogs (AHR1 and AHR2) with the retinoblastoma protein. <i>Aquatic Toxicology</i> , 2009 , 94, 47-55	5.1	1
100	Functional properties of the four Atlantic salmon (<i>Salmo salar</i>) aryl hydrocarbon receptor type 2 (AHR2) isoforms. <i>Aquatic Toxicology</i> , 2008 , 86, 121-30	5.1	35
99	Cytochrome P4501A1 expression, polychlorinated biphenyls and hydroxylated metabolites, and adipocyte size of bottlenose dolphins from the Southeast United States. <i>Aquatic Toxicology</i> , 2008 , 86, 397-412	5.1	36
98	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> , 2008 , 87, 289-95	5.1	46
97	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> , 2008 , 478, 7-17	4.1	21
96	Repression of aryl hydrocarbon receptor (AHR) signaling by AHR repressor: role of DNA binding and competition for AHR nuclear translocator. <i>Molecular Pharmacology</i> , 2008 , 73, 387-98	4.3	109
95	Key amino acids in the aryl hydrocarbon receptor predict dioxin sensitivity in avian species. <i>Environmental Science & Technology</i> , 2008 , 42, 7535-41	10.3	117
94	Receptor-Mediated Mechanisms of Toxicity 2008 , 235-272		6
93	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> , 2008 , 269, 496-511	1.6	41
92	Volumetric neuroimaging of the atlantic white-sided dolphin (<i>Lagenorhynchus acutus</i>) brain from in situ magnetic resonance images. <i>Anatomical Record</i> , 2008 , 291, 263-82	2.1	18
91	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> , 2007 , 290, 1459-79	2.1	20
90	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> , 2007 , 100, 180-93	4.4	122
89	Functional characterization and evolutionary history of two aryl hydrocarbon receptor isoforms (Ahr1 and Ahr2) from avian species. <i>Toxicological Sciences</i> , 2007 , 99, 101-17	4.4	63
88	<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> , 2007 , 2, 257-86	2	160
87	Fish models in toxicology. <i>Zebrafish</i> , 2007 , 4, 9-20	2	21
86	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> , 2006 , 305, 693-706		109
85	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> , 2006 , 103, 6252-7	11.5	159

84	Estrogen receptor-related receptors in the killifish <i>Fundulus heteroclitus</i> : diversity, expression, and estrogen responsiveness. <i>Journal of Molecular Endocrinology</i> , 2006 , 37, 105-20	4.5	21
83	The genome of the sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Science</i> , 2006 , 314, 941-52	33.3	886
82	Development and characterization of polyclonal antibodies against the aryl hydrocarbon receptor protein family (AHR1, AHR2, and AHR repressor) of Atlantic killifish <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006 , 142, 85-94	3.2	10
81	The chemical defensome: environmental sensing and response genes in the <i>Strongylocentrotus purpuratus</i> genome. <i>Developmental Biology</i> , 2006 , 300, 366-84	3.1	200
80	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> , 2005 , 441, 151-67	4.1	73
79	Biological activity and physicochemical parameters of marine halogenated natural products 2,3,3T4,4T5,5T heptachloro-1T methyl-1,2T bipyrrole and 2,4,6-tribromoanisole. <i>Archives of Environmental Contamination and Toxicology</i> , 2005 , 48, 1-9	3.2	24
78	Chapter 7 Xenobiotic receptors in fish: Structural and functional diversity and evolutionary insights. <i>Biochemistry and Molecular Biology of Fishes</i> , 2005 , 6, 191-228		11
77	The aryl hydrocarbon receptor constitutively represses c-myc transcription in human mammary tumor cells. <i>Oncogene</i> , 2005 , 24, 7869-81	9.2	73
76	Evolutionary and Physiological Perspectives on Ah Receptor Function and Dioxin Toxicity 2005 , 559-602		4
75	AHR1B, a new functional aryl hydrocarbon receptor in zebrafish: tandem arrangement of <i>ahr1b</i> and <i>ahr2</i> genes. <i>Biochemical Journal</i> , 2005 , 392, 153-61	3.8	119
74	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> , 2004 , 279, 38303-12	5.4	68
73	Cloning and analysis of the CYP1A promoter from the atlantic killifish (<i>Fundulus heteroclitus</i>). <i>Marine Environmental Research</i> , 2004 , 58, 119-24	3.3	19
72	Aryl hydrocarbon receptor polymorphisms and dioxin resistance in Atlantic killifish (<i>Fundulus heteroclitus</i>). <i>Pharmacogenetics and Genomics</i> , 2004 , 14, 131-43		63
71	Gonadal feminization and halogenated environmental contaminants in common terns (<i>Sterna hirundo</i>): evidence that ovotestes in male embryos do not persist to the prefledgling stage. <i>Ecotoxicology</i> , 2003 , 12, 125-40	2.9	7
70	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> , 2003 , 22, 2337-43	3.8	58
69	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> , 2003 , 22, 1622-1631	3.8	23
68	Does an ARYL HYDROCARBON RECEPTOR (AHR)-like molecule exist in earthworms? Some implications for immunity.. <i>Pedobiologia</i> , 2003 , 47, 646-650	1.7	1
67	Naturally produced halogenated dimethyl bipyrroles bind to the aryl hydrocarbon receptor and induce cytochrome P4501A and porphyrin accumulation in chicken embryo hepatocytes 2003 , 22, 1622		1

66	Naturally produced halogenated dimethyl bipyroles bind to the aryl hydrocarbon receptor and induce cytochrome P4501A and porphyrin accumulation in chicken embryo hepatocytes. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 1622-31	3.8	6
65	Biomarkers and bioassays for detecting dioxin-like compounds in the marine environment. <i>Science of the Total Environment</i> , 2002 , 289, 49-69	10.2	90
64	Serum withdrawal leads to reduced aryl hydrocarbon receptor expression and loss of cytochrome P4501A inducibility in PLHC-1 cells. <i>Biochemical Pharmacology</i> , 2002 , 63, 1405-14	6	16
63	Aryl hydrocarbon receptors: diversity and evolution. <i>Chemico-Biological Interactions</i> , 2002 , 141, 131-60	5	484
62	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> , 2002 , 294, 17-29		38
61	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> , 2002 , 99, 14694-9	11.5	197
60	Regulatory interactions among three members of the vertebrate aryl hydrocarbon receptor family: AHR repressor, AHR1, and AHR2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 6949-59	5.4	108
59	The zebrafish (<i>Danio rerio</i>) aryl hydrocarbon receptor type 1 is a novel vertebrate receptor. <i>Molecular Pharmacology</i> , 2002 , 62, 234-49	4.3	143
58	Binding of polycyclic aromatic hydrocarbons (PAHs) to teleost aryl hydrocarbon receptors (AHRs). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002 , 133, 55-68	2.3	122
57	cDNA cloning of an aryl hydrocarbon receptor from Baikal seals (<i>Phoca sibirica</i>). <i>Marine Environmental Research</i> , 2002 , 54, 285-9	3.3	12
56	cDNA cloning and characterization of an aryl hydrocarbon receptor from the harbor seal (<i>Phoca vitulina</i>): a biomarker of dioxin susceptibility?. <i>Aquatic Toxicology</i> , 2002 , 58, 57-73	5.1	19
55	Relationships among the cell cycle, cell proliferation, and aryl hydrocarbon receptor expression in PLHC-1 cells. <i>Aquatic Toxicology</i> , 2002 , 58, 201-13	5.1	18
54	Expression of P-glycoprotein in killifish (<i>Fundulus heteroclitus</i>) exposed to environmental xenobiotics. <i>Aquatic Toxicology</i> , 2002 , 59, 237-51	5.1	46
53	Dioxin toxicology and the aryl hydrocarbon receptor: insights from fish and other non-traditional models. <i>Marine Biotechnology</i> , 2001 , 3, S224-38	3.4	72
52	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> , 2001 , 60, 77-91	4.4	128
51	cDNA cloning and characterization of a high affinity aryl hydrocarbon receptor in a cetacean, the beluga, <i>Delphinapterus leucas</i> . <i>Toxicological Sciences</i> , 2001 , 64, 41-56	4.4	37
50	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> , 2001 , 278, 223-34	3.8	130
49	2,3,7,8-Tetrachlorodibenzo-p-dioxin induces apoptotic cell death and cytochrome P4501A expression in developing <i>Fundulus heteroclitus</i> embryos. <i>Aquatic Toxicology</i> , 2001 , 53, 127-38	5.1	78

48	Relative contributions of affinity and intrinsic efficacy to aryl hydrocarbon receptor ligand potency. <i>Toxicology and Applied Pharmacology</i> , 2000 , 168, 160-72	4.6	148
47	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> , 2000 , 38, 59-69 ^{3,2}		31
46	The bioflavonoid galangin blocks aryl hydrocarbon receptor activation and polycyclic aromatic hydrocarbon-induced pre-B cell apoptosis. <i>Molecular Pharmacology</i> , 2000 , 58, 515-25	4.3	55
45	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> , 2000 , 57, 229-39	4.4	81
44	Serum alters the uptake and relative potencies of halogenated aromatic hydrocarbons in cell culture bioassays. <i>Toxicological Sciences</i> , 2000 , 53, 316-25	4.4	70
43	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> , 2000 , 50, 51-6	3.3	31
42	The evolution of aryl hydrocarbon signaling proteins: diversity of ARNT isoforms among fish species. <i>Marine Environmental Research</i> , 2000 , 50, 39-44	3.3	19
41	In vitro metabolism of polychlorinated biphenyl congeners by beluga whale (<i>Delphinapterus leucas</i>) and pilot whale (<i>Globicephala melas</i>) and relationship to cytochrome P450 expression. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 2000 , 126, 267-84		14
40	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> , 1999 , 274, 15159-66 ^{5,4}	5.4	92
39	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> , 1999 , 274, 33814-24	5.4	127
38	The role of polycyclic aromatic hydrocarbon metabolism in dimethylbenz[a]anthracene-induced pre-B lymphocyte apoptosis. <i>Toxicology and Applied Pharmacology</i> , 1999 , 161, 10-22	4.6	55
37	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> , 1999 , 361, 156-63	4.1	49
36	Low inducibility of CYP1A activity by polychlorinated biphenyls (PCBs) in flounder (<i>Platichthys flesus</i>): characterization of the Ah receptor and the role of CYP1A inhibition. <i>Toxicological Sciences</i> , 1998 , 43, 161-71	4.4	4
35	Chronic retene exposure causes sustained induction of CYP1A activity and protein in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 2347-2353	3.8	75
34	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> , 1998 , 44, 47-67	5.1	24
33	The aryl hydrocarbon receptor in early vertebrates. <i>Marine Environmental Research</i> , 1998 , 46, 41-44	3.3	3
32	Induction of CYP1A and porphyrin accumulation in fish hepatoma cells (PLHC-1) exposed to sediment or water from a PCB-contaminated lake (Lake Kernaala, Finland). <i>Marine Environmental Research</i> , 1998 , 46, 379-384	3.3	8
31	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> , 1998 , 120, 67-75		34

30	The aryl hydrocarbon receptor: a comparative perspective. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1998 , 121, 23-53		182
29	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> , 1998 , 36, 2921-32	8.4	24
28	Differential expression of CYP1A1 and CYP1A2, but not of ahr and arnt, in guinea pig adrenal and liver. <i>Endocrine Research</i> , 1998 , 24, 631-632	1.9	1
27	. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 2347	3.8	7
26	Halogenated aromatic hydrocarbon-mediated porphyrin accumulation and induction of cytochrome P4501A in chicken embryo hepatocytes. <i>Biochemical Pharmacology</i> , 1997 , 53, 373-84	6	35
25	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> , 1997 , 94, 13743-8	11.5	239
24	Glucocorticoid-xenobiotic interactions: Dexamethasone-mediated potentiation of cytochrome P4501A induction by Euphthoflavone in a fish hepatoma cell line (PLHC-1). <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 900-907	3.8	25
23	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 900	3.8	30
22	A reverse transcription-polymerase chain reaction (RT-PCR) approach for cloning Ah receptors from diverse vertebrate species: Partial sequence of an Ah receptor from the teleost <i>Fundulus heteroclitus</i> . <i>Marine Environmental Research</i> , 1996 , 42, 13-17	3.3	11
21	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> , 1996 , 329, 113-22	4.1	56
20	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> , 1996 , 329, 163-74	4.1	49
19	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> , 1996 , 15, 582-591	3.8	129
18	. <i>Environmental Toxicology and Chemistry</i> , 1996 , 15, 582	3.8	116
17	Ah receptors and the mechanism of dioxin toxicity: insights from homology and phylogeny 1996 , 9-27		4
16	Cytochrome P4501A 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> , 1996 , 141, 214-30	4.6	23
15	Catalytic and immunochemical characterization of hepatic microsomal cytochromes P450 in beluga whale (<i>Delphinapterus leucas</i>). <i>Toxicology and Applied Pharmacology</i> , 1994 , 126, 45-57	4.6	105
14	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> , 1994 , 127, 187-98	4.6	96
13	Photoaffinity labeling of the Ah receptor: phylogenetic survey of diverse vertebrate and invertebrate species. <i>Archives of Biochemistry and Biophysics</i> , 1994 , 310, 218-28	4.1	132

12	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> , 1994 , 28, 147-167	5.1	31
11	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> , 1993 , 26, 185-208	5.1	219
10	The Ah receptor in marine animals: phylogenetic distribution and relationship to cytochrome P4501A inducibility. <i>Marine Environmental Research</i> , 1992 , 34, 87-92	3.3	70
9	Phylogenetic distribution of the Ah receptor in non-mammalian species: implications for dioxin toxicity and Ah receptor evolution. <i>Chemosphere</i> , 1992 , 25, 931-937	8.4	31
8	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> , 1991 , 110, 486-504	4.6	87
7	Determination of individual porphyrins in rodent urine using high-performance liquid chromatography following clean-up by anion-exchange chromatography. <i>Biomedical Applications</i> , 1991 , 563, 363-8		7
6	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> , 1989 , 98, 422-33	4.6	254
5	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> , 1989 , 28, 61-65	3.3	23
4	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> , 1989 , 270, 344-55	4.1	69
3	Studies on the Role of the Ah Receptor in Hexachlorobenzene-Induced Porphyria. <i>Annals of the New York Academy of Sciences</i> , 1987 , 514, 333-334	6.5	
2	Effect of hexachlorobenzene on the specific binding of 2,3,7,8-TCDD to the hepatic receptor. <i>Chemosphere</i> , 1986 , 15, 1691-1698	8.4	2
1	Domoic acid disruption of neurodevelopment and behavior involves altered myelination in the spinal cord		1