Charles R Tyler

List of Publications by Year in Descending Order

196 papers	15,778 citations	66 h-index	122 g-index
205 ext. papers	17,398 ext. citations	6.7 avg, IF	6.65 L-index

#	Paper	IF	Citations
196	Estrogens regulate early embryonic development of the olfactory sensory system via estrogen-responsive glia.. *Development (Cambridge)*, **2022**, 149,	6.6	1
195	Co-exposure of zinc oxide nanoparticles and multi-layer graphenes in blackfish (Capoeta fusca): evaluation of lethal, behavioural, and histopathological effects.. *Ecotoxicology*, **2022**, 31, 425	2.9	0
194	Harmful Algal Blooms and their impacts on shellfish mariculture follow regionally distinct patterns of water circulation in the western English Channel during the 2018 heatwave.. *Harmful Algae*, **2022**, 111, 102166	5.3	1
193	Application of Transgenic Zebrafish Models for Studying the Effects of Estrogenic Endocrine Disrupting Chemicals on Embryonic Brain Development.. *Frontiers in Pharmacology*, **2022**, 13, 718072	5.6	
192	Are synthetic glucocorticoids in the aquatic environment a risk to fish?. *Environment International*, **2022**, 162, 107163	12.9	1
191	How do abiotic environmental conditions influence shrimp susceptibility to disease? A critical analysis focussed on White Spot Disease. *Journal of Invertebrate Pathology*, **2021**, 186, 107369	2.6	12
190	Impacts of land use on water quality and the viability of bivalve shellfish mariculture in the UK: A case study and review for SW England. *Environmental Science and Policy*, **2021**, 126, 122-131	6.2	4
189	Characterization of G protein-coupled estrogen receptors in Japanese medaka, Oryzias latipes. *Journal of Applied Toxicology*, **2021**, 41, 1390-1399	4.1	
188	Effects of maternal exposure to environmentally relevant concentrations of 17□ethinyloestradiol in a live bearing freshwater fish, Xenotoca eiseni (Cyprinodontiformes, Goodeidae). *Aquatic Toxicology*, **2021**, 232, 105746	5.1	
187	Global variation in freshwater physico-chemistry and its influence on chemical toxicity in aquatic wildlife. *Biological Reviews*, **2021**, 96, 1528-1546	13.5	4
186	Functional brain imaging in larval zebrafish for characterising the effects of seizurogenic compounds acting via a range of pharmacological mechanisms. *British Journal of Pharmacology*, **2021**, 178, 2671-2689	8.6	8
185	Probiotics and competitive exclusion of pathogens in shrimp aquaculture. *Reviews in Aquaculture*, **2021**, 13, 324-352	8.9	33
184	Neutrophil activation by nanomaterials : comparing strengths and limitations of primary human cells with those of an immortalized (HL-60) cell line. *Nanotoxicology*, **2021**, 15, 1-20	5.3	7
183	Production without medicalisation: Risk practices and disease in Bangladesh aquaculture. *Geographical Journal*, **2021**, 187, 39-50	2.2	3
182	Antioxidant properties of dietary supplements of free and nanoencapsulated silymarin and their ameliorative effects on silver nanoparticles induced oxidative stress in Nile tilapia (Oreochromis niloticus). *Environmental Science and Pollution Research*, **2021**, 28, 26055-26063	5.1	12
181	Seasonal variation in oestrogenic potency and biological effects of wastewater treatment works effluents assessed using ERE-GFP transgenic zebrafish embryo-larvae. *Aquatic Toxicology*, **2021**, 237, 105864	5.1	2
180	Stakeholder perspectives on the importance of water quality and other constraints for sustainable mariculture. *Environmental Science and Policy*, **2020**, 114, 506-518	6.2	4

179	Expression dynamics of genes in the hypothalamic-pituitary-thyroid (HPT) cascade and their responses to 3,3$5-triiodo-l-thyronine (T3) highlights potential vulnerability to thyroid-disrupting chemicals in zebrafish (Danio rerio) embryo-larvae. *Aquatic Toxicology*, **2020**, 225, 105547	5.1	6
178	Environment and food web structure interact to alter the trophic magnification of persistent chemicals across river ecosystems. *Science of the Total Environment*, **2020**, 717, 137271	10.2	6
177	A laboratory investigation into features of morphology and physiology for their potential to predict reproductive success in male frogs. *PLoS ONE*, **2020**, 15, e0241625	3.7	1
176	Investigation into Adaptation in Genes Associated with Response to Estrogenic Pollution in Populations of Roach () Living in English Rivers. *Environmental Science & Technology*, **2020**, 54, 15935-15945	10.3	2
175	Development and Application of a Microplate Assay for Toxicity Testing on Aquatic Cyanobacteria. *Environmental Toxicology and Chemistry*, **2020**, 39, 705-720	3.8	1
174	Geographic Range and Natural Distribution **2020**, 41-56		1
173	Evaluating antimicrobial resistance in the global shrimp industry. *Reviews in Aquaculture*, **2020**, 12, 966-986	8.9	55
172	A newly developed genetic sex marker and its application to understanding chemically induced feminisation in roach (Rutilus rutilus). *Molecular Ecology Resources*, **2020**, 20, 1007-1022	8.4	2
171	Biological Traits and the Transfer of Persistent Organic Pollutants through River Food Webs. *Environmental Science & Technology*, **2019**, 53, 13246-13256	10.3	10
170	The Pathobiome in Animal and Plant Diseases. *Trends in Ecology and Evolution*, **2019**, 34, 996-1008	10.9	90
169	Variability in cyanobacteria sensitivity to antibiotics and implications for environmental risk assessment. *Science of the Total Environment*, **2019**, 695, 133804	10.2	9
168	A catchment-scale perspective of plastic pollution. *Global Change Biology*, **2019**, 25, 1207	11.4	144
167	Molecular mechanisms and tissue targets of brominated flame retardants, BDE-47 and TBBPA, in embryo-larval life stages of zebrafish (Danio rerio). *Aquatic Toxicology*, **2019**, 209, 99-112	5.1	27
166	A mini review of bisphenol A (BPA) effects on cancer-related cellular signaling pathways. *Environmental Science and Pollution Research*, **2019**, 26, 8459-8467	5.1	39
165	Pharmacology beyond the patient - The environmental risks of human drugs. *Environment International*, **2019**, 129, 320-332	12.9	48
164	The fate of cerium oxide nanoparticles in sediments and their routes of uptake in a freshwater worm. *Nanotoxicology*, **2019**, 13, 894-908	5.3	8
163	A restatement of the natural science evidence base on the effects of endocrine disrupting chemicals on wildlife. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20182416	4.4	17
162	Evolution of non-kin cooperation: social assortment by cooperative phenotype in guppies. *Royal Society Open Science*, **2019**, 6, 181493	3.3	13

161	Microplastic ingestion by riverine macroinvertebrates. *Science of the Total Environment*, **2019**, 646, 68-74	10.2	167
160	Persistent contaminants as potential constraints on the recovery of urban river food webs from gross pollution. *Water Research*, **2019**, 163, 114858	12.5	21
159	New insights into organ-specific oxidative stress mechanisms using a novel biosensor zebrafish. *Environment International*, **2019**, 133, 105138	12.9	12
158	Ontogeny and Dynamics of the Gonadal Development, Embryogenesis, and Gestation in Xenotoca eiseni (Cyprinodontiformes, Goodeidae). *Sexual Development*, **2019**, 13, 297-310	1.6	2
157	Raising awareness of antimicrobial resistance in rural aquaculture practice in Bangladesh through digital communications: a pilot study. *Global Health Action*, **2019**, 12, 1734735	3	7
156	Effects of environmental enrichment on survivorship, growth, sex ratio and behaviour in laboratory maintained zebrafish Danio rerio. *Journal of Fish Biology*, **2019**, 94, 86-95	1.9	11
155	Capturing ecology in modeling approaches applied to environmental risk assessment of endocrine active chemicals in fish. *Critical Reviews in Toxicology*, **2018**, 48, 109-120	5.7	4
154	Effects of neonicotinoid exposure on molecular and physiological indicators of honey bee immunocompetence. *Apidologie*, **2018**, 49, 196-208	2.3	7
153	Estrogenic Mechanisms and Cardiac Responses Following Early Life Exposure to Bisphenol A (BPA) and Its Metabolite 4-Methyl-2,4-bis(p-hydroxyphenyl)pent-1-ene (MBP) in Zebrafish. *Environmental Science & Technology*, **2018**, 52, 6656-6665	10.3	28
152	Functional distinctions associated with the diversity of sex steroid hormone receptors ESR and AR. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 184, 38-46	5.1	32
151	Adoption of in vitro systems and zebrafish embryos as alternative models for reducing rodent use in assessments of immunological and oxidative stress responses to nanomaterials. *Critical Reviews in Toxicology*, **2018**, 48, 252-271	5.7	27
150	Concentrating mixtures of neuroactive pharmaceuticals and altered neurotransmitter levels in the brain of fish exposed to a wastewater effluent. *Science of the Total Environment*, **2018**, 621, 782-790	10.2	32
149	Endocrine disruption in aquatic systems: up-scaling research to address ecological consequences. *Biological Reviews*, **2018**, 93, 626-641	13.5	63
148	Fipronil pesticide as a suspect in historical mass mortalities of honey bees. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13033-13038	11.5	38
147	Assessing population impacts of toxicant-induced disruption of breeding behaviours using an individual-based model for the three-spined stickleback. *Ecological Modelling*, **2018**, 387, 107-117	3	6
146	ECOdrug: a database connecting drugs and conservation of their targets across species. *Nucleic Acids Research*, **2018**, 46, D930-D936	20.1	36
145	Hepatic transcriptional responses to copper in the three-spined stickleback are affected by their pollution exposure history. *Aquatic Toxicology*, **2017**, 184, 26-36	5.1	11
144	Bioavailability and Kidney Responses to Diclofenac in the Fathead Minnow (Pimephales promelas). *Environmental Science & Technology*, **2017**, 51, 1764-1774	10.3	30

143	Development of a common carp (Cyprinus carpio) pregnane X receptor (cPXR) transactivation reporter assay and its activation by azole fungicides and pharmaceutical chemicals. *Toxicology in Vitro*, **2017**, 41, 114-122	3.6	11
142	The Evolution of Cooperation: Interacting Phenotypes among Social Partners. *American Naturalist*, **2017**, 189, 630-643	3.7	17
141	Adaptive capabilities and fitness consequences associated with pollution exposure in fish. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	48
140	Disruption of the Prostaglandin Metabolome and Characterization of the Pharmaceutical Exposome in Fish Exposed to Wastewater Treatment Works Effluent As Revealed by Nanoflow-Nanospray Mass Spectrometry-Based Metabolomics. *Environmental Science & Technology*, **2017**, 51, 616-624	10.3	38
139	Integrating human and environmental health in antibiotic risk assessment: A critical analysis of protection goals, species sensitivity and antimicrobial resistance. *Environment International*, **2017**, 109, 155-169	12.9	107
138	Acute Toxicity, Teratogenic, and Estrogenic Effects of Bisphenol A and Its Alternative Replacements Bisphenol S, Bisphenol F, and Bisphenol AF in Zebrafish Embryo-Larvae. *Environmental Science & Technology*, **2017**, 51, 12796-12805	10.3	223
137	Ecotoxicological assessment of nanoparticle-containing acrylic copolymer dispersions in fairy shrimp and zebrafish embryos. *Environmental Science: Nano*, **2017**, 4, 1981-1997	7.1	13
136	4-dimensional functional profiling in the convulsant-treated larval zebrafish brain. *Scientific Reports* , **2017**, 7, 6581	4.9	22
135	Establishment of estrogen receptor 1 (ESR1)-knockout medaka: ESR1 is dispensable for sexual development and reproduction in medaka, Oryzias latipes. *Development Growth and Differentiation*, **2017**, 59, 552-561	3	21
134	Shipbuilding Docks as Experimental Systems for Realistic Assessments of Anthropogenic Stressors on Marine Organisms. *BioScience*, **2017**, 67, 853-859	5.7	1
133	Evolution of estrogen receptors in ray-finned fish and their comparative responses to estrogenic substances. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 158, 189-197	5.1	15
132	Sensory systems and ionocytes are targets for silver nanoparticle effects in fish. *Nanotoxicology*, **2016**, 10, 1276-86	5.3	21
131	Population-level consequences for wild fish exposed to sublethal concentrations of chemicals – a critical review. *Fish and Fisheries*, **2016**, 17, 545-566	6	92
130	Cerium oxide nanoparticles induce oxidative stress in the sediment-dwelling amphipod Corophium volutator. *Nanotoxicology*, **2016**, 10, 480-7	5.3	23
129	A tiered assessment strategy for more effective evaluation of bioaccumulation of chemicals in fish. *Regulatory Toxicology and Pharmacology*, **2016**, 75, 20-6	3.4	15
128	Interactive effects of pesticide exposure and pathogen infection on bee health – a critical analysis. *Biological Reviews*, **2016**, 91, 1006-1019	13.5	49
127	High-Content and Semi-Automated Quantification of Responses to Estrogenic Chemicals Using a Novel Translucent Transgenic Zebrafish. *Environmental Science & Technology*, **2016**, 50, 6536-45	10.3	15
126	Effects of the lipid regulating drug clofibric acid on PPAR-regulated gene transcript levels in common carp (Cyprinus carpio) at pharmacological and environmental exposure levels. *Aquatic Toxicology*, **2015**, 161, 127-37	5.1	30

125	Understanding the molecular basis for differences in responses of fish estrogen receptor subtypes to environmental estrogens. *Environmental Science & Technology*, **2015**, 49, 7439-47	10.3	43
124	Tracing engineered nanomaterials in biological tissues using coherent anti-Stokes Raman scattering (CARS) microscopy - A critical review. *Nanotoxicology*, **2015**, 9, 928-39	5.3	18
123	Climate change and pollution speed declines in zebrafish populations. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1237-46	11.5	59
122	Effects of Exposure to WwTW Effluents over Two Generations on Sexual Development and Breeding in Roach Rutilus rutilus. *Environmental Science & Technology*, **2015**, 49, 12994-3002	10.3	9
121	Transgenic fish systems and their application in ecotoxicology. *Critical Reviews in Toxicology*, **2015**, 45, 124-41	5.7	32
120	Do hormone-modulating chemicals impact on reproduction and development of wild amphibians?. *Biological Reviews*, **2015**, 90, 1100-17	13.5	68
119	Do stressful conditions make adaptation difficult? Guppies in the oil-polluted environments of southern Trinidad. *Evolutionary Applications*, **2015**, 8, 854-70	4.8	30
118	Environmental chemicals active as human antiandrogens do not activate a stickleback androgen receptor but enhance a feminising effect of oestrogen in roach. *Aquatic Toxicology*, **2015**, 168, 48-59	5.1	20
117	Characterization of Oryzias latipes glucocorticoid receptors and their unique response to progestins. *Journal of Applied Toxicology*, **2015**, 35, 302-9	4.1	13
116	Ecotoxicology of Nanomaterials in Aquatic Systems. *Frontiers of Nanoscience*, **2015**, 8, 3-45	0.7	5
115	Apparent underdiagnosis of Cerebrotendinous Xanthomatosis revealed by analysis of ~60,000 human exomes. *Molecular Genetics and Metabolism*, **2015**, 116, 298-304	3.7	56
114	Uptake and retention of microplastics by the shore crab Carcinus maenas. *Environmental Science & Technology*, **2014**, 48, 8823-30	10.3	404
113	A new approach for plasma (xeno)metabolomics based on solid-phase extraction and nanoflow liquid chromatography-nanoelectrospray ionisation mass spectrometry. *Journal of Chromatography A*, **2014**, 1365, 72-85	4.5	58
112	Differing species responsiveness of estrogenic contaminants in fish is conferred by the ligand binding domain of the estrogen receptor. *Environmental Science & Technology*, **2014**, 48, 5254-63	10.3	70
111	Bioavailability of the imidazole antifungal agent clotrimazole and its effects on key biotransformation genes in the common carp (Cyprinus carpio). *Aquatic Toxicology*, **2014**, 152, 57-65	5.1	30
110	Developmental impairment in eurasian dipper nestlings exposed to urban stream pollutants. *Environmental Toxicology and Chemistry*, **2014**, 33, 1315-23	3.8	23
109	Population relevance of toxicant mediated changes in sex ratio in fish: An assessment using an individual-based zebrafish (Danio rerio) model. *Ecological Modelling*, **2014**, 280, 76-88	3	31
108	Effects of intracerebroventricular administered fluoxetine on cardio-ventilatory functions in rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology*, **2014**, 205, 176-84	3	8

107	The vas::egfp transgenic zebrafish: a practical model for studies on the molecular mechanisms by which environmental estrogens affect gonadal sex differentiation. *Environmental Toxicology and Chemistry*, **2014**, 33, 602-5	3.8	9
106	Populations of a cyprinid fish are self-sustaining despite widespread feminization of males. *BMC Biology*, **2014**, 12, 1	7.3	100
105	Cloning, expression and functional characterization of carp, Cyprinus carpio, estrogen receptors and their differential activations by estrogens. *Journal of Applied Toxicology*, **2013**, 33, 41-9	4.1	20
104	Eurasian dipper eggs indicate elevated organohalogenated contaminants in urban rivers. *Environmental Science & Technology*, **2013**, 47, 8931-9	10.3	12
103	Effects of particle size and coating on nanoscale Ag and TiO2 exposure in zebrafish (Danio rerio) embryos. *Nanotoxicology*, **2013**, 7, 1315-24	5.3	90
102	Impact of environmental estrogens on Yfish considering the diversity of estrogen signaling. *General and Comparative Endocrinology*, **2013**, 191, 190-201	3	50
101	Molecular mechanisms of toxicity of silver nanoparticles in zebrafish embryos. *Environmental Science & Technology*, **2013**, 47, 8005-14	10.3	164
100	Development of methods to detect occurrence and effects of endocrine-disrupting chemicals: fueling a fundamental shift in regulatory ecotoxicology. *Environmental Toxicology and Chemistry*, **2013**, 32, 2661-2	3.8	4
99	Interspecies comparisons on the uptake and toxicity of silver and cerium dioxide nanoparticles. *Environmental Toxicology and Chemistry*, **2012**, 31, 144-54	3.8	131
98	The xenometabolome and novel contaminant markers in fish exposed to a wastewater treatment works effluent. *Environmental Science & Technology*, **2012**, 46, 9080-8	10.3	50
97	Effects of pharmaceuticals on the expression of genes involved in detoxification in a carp primary hepatocyte model. *Environmental Science & Technology*, **2012**, 46, 6306-14	10.3	29
96	Differential sensitivity of honey bees and bumble bees to a dietary insecticide (imidacloprid). *Zoology*, **2012**, 115, 365-71	1.7	100
95	Sequestration of zinc from zinc oxide nanoparticles and life cycle effects in the sediment dweller amphipod Corophium volutator. *Environmental Science & Technology*, **2012**, 46, 1128-35	10.3	63
94	Comparative breeding and behavioral responses to ethinylestradiol exposure in wild and laboratory maintained zebrafish (Danio rerio) populations. *Environmental Science & Technology*, **2012**, 46, 11377-83	10.3	30
93	Tracing bioavailability of ZnO nanoparticles using stable isotope labeling. *Environmental Science & Technology*, **2012**, 46, 12137-45	10.3	61
92	Comparative responsiveness to natural and synthetic estrogens of fish species commonly used in the laboratory and field monitoring. *Aquatic Toxicology*, **2012**, 109, 250-8	5.1	78
91	Development of a transient expression assay for detecting environmental oestrogens in zebrafish and medaka embryos. *BMC Biotechnology*, **2012**, 12, 32	3.5	21
90	Environmental estrogen-induced alterations of male aggression and dominance hierarchies in fish: a mechanistic analysis. *Environmental Science & Technology*, **2012**, 46, 3472-9	10.3	48

89	Endocrine disrupting chemicals and sexual behaviors in fish--a critical review on effects and possible consequences. *Critical Reviews in Toxicology*, **2012**, 42, 653-68	5.7	174
88	Density-dependent processes in the life history of fishes: evidence from laboratory populations of zebrafish Danio rerio. *PLoS ONE*, **2012**, 7, e37550	3.7	39
87	Characterization of cerium oxide nanoparticles-part 1: size measurements. *Environmental Toxicology and Chemistry*, **2012**, 31, 983-93	3.8	59
86	Characterization of cerium oxide nanoparticles-part 2: nonsize measurements. *Environmental Toxicology and Chemistry*, **2012**, 31, 994-1003	3.8	49
85	Biosensor zebrafish provide new insights into potential health effects of environmental estrogens. *Environmental Health Perspectives*, **2012**, 120, 990-6	8.4	51
84	Are toxicological responses in laboratory (inbred) zebrafish representative of those in outbred (wild) populations? - A case study with an endocrine disrupting chemical. *Environmental Science & Technology*, **2011**, 45, 4166-72	10.3	37
83	Silver nanoparticles: behaviour and effects in the aquatic environment. *Environment International*, **2011**, 37, 517-31	12.9	909
82	Effects of silver and cerium dioxide micro- and nano-sized particles on Daphnia magna. *Journal of Environmental Monitoring*, **2011**, 13, 1227-35		104
81	Implications of persistent exposure to treated wastewater effluent for breeding in wild roach (Rutilus rutilus) populations. *Environmental Science & Technology*, **2011**, 45, 1673-9	10.3	71
80	Metabolomics reveals target and off-target toxicities of a model organophosphate pesticide to roach (Rutilus rutilus): implications for biomonitoring. *Environmental Science & Technology*, **2011**, 45, 3759-67	10.3	61
79	Bioassay-directed identification of novel antiandrogenic compounds in bile of fish exposed to wastewater effluents. *Environmental Science & Technology*, **2011**, 45, 10660-7	10.3	98
78	The consequences of feminization in breeding groups of wild fish. *Environmental Health Perspectives*, **2011**, 119, 306-11	8.4	170
77	Uptake and biological effects of environmentally relevant concentrations of the nonsteroidal anti-inflammatory pharmaceutical diclofenac in rainbow trout (Oncorhynchus mykiss). *Environmental Science & Technology*, **2010**, 44, 2176-82	10.3	232
76	Effects of aqueous exposure to silver nanoparticles of different sizes in rainbow trout. *Toxicological Sciences*, **2010**, 115, 521-34	4.4	265
75	Dominance hierarchies in zebrafish (Danio rerio) and their relationship with reproductive success. *Zebrafish*, **2010**, 7, 109-17	2	133
74	Bioavailability of nanoscale metal oxides TiO(2), CeO(2), and ZnO to fish. *Environmental Science & Technology*, **2010**, 44, 1144-51	10.3	223
73	Physiological and health consequences of social status in zebrafish (Danio rerio). *Physiology and Behavior*, **2010**, 101, 576-87	3.5	86
72	Impacts of early life exposure to estrogen on subsequent breeding behavior and reproductive success in zebrafish. *Environmental Science & Technology*, **2010**, 44, 6481-7	10.3	44

71	Effects of advanced treatments of wastewater effluents on estrogenic and reproductive health impacts in fish. *Environmental Science & Technology*, **2010**, 44, 4348-54	10.3	38
70	Profiles and some initial identifications of (anti)androgenic compounds in fish exposed to wastewater treatment works effluents. *Environmental Science & Technology*, **2010**, 44, 1137-43	10.3	56
69	Identifying health impacts of exposure to copper using transcriptomics and metabolomics in a fish model. *Environmental Science & Technology*, **2010**, 44, 820-6	10.3	135
68	Hepatic transcriptomic and metabolomic responses in the Stickleback (Gasterosteus aculeatus) exposed to ethinyl-estradiol. *Aquatic Toxicology*, **2010**, 97, 174-87	5.1	66
67	Pharmaceuticals in the aquatic environment: a critical review of the evidence for health effects in fish. *Critical Reviews in Toxicology*, **2010**, 40, 287-304	5.7	403
66	Gas-liquid chromatography-tandem mass spectrometry methodology for the quantitation of estrogenic contaminants in bile of fish exposed to wastewater treatment works effluents and from wild populations. *Journal of Chromatography A*, **2010**, 1217, 112-8	4.5	47
65	Statistical modeling suggests that antiandrogens in effluents from wastewater treatment works contribute to widespread sexual disruption in fish living in English rivers. *Environmental Health Perspectives*, **2009**, 117, 797-802	8.4	147
64	High doses of intravenously administered titanium dioxide nanoparticles accumulate in the kidneys of rainbow trout but with no observable impairment of renal function. *Toxicological Sciences*, **2009**, 109, 372-80	4.4	85
63	Growth rate during early life affects sexual differentiation in roach (Rutilus rutilus). *Environmental Biology of Fishes*, **2009**, 85, 277-284	1.6	10
62	The organophosphorous pesticide, fenitrothion, acts as an anti-androgen and alters reproductive behavior of the male three-spined stickleback, Gasterosteus aculeatus. *Ecotoxicology*, **2009**, 18, 122-33	2.9	36
61	Environmental health impacts of equine estrogens derived from hormone replacement therapy. *Environmental Science & Technology*, **2009**, 43, 3897-904	10.3	44
60	Hepatic transcriptomic and metabolomic responses in the stickleback (Gasterosteus aculeatus) exposed to environmentally relevant concentrations of dibenzanthracene. *Environmental Science & Technology*, **2009**, 43, 6341-8	10.3	67
59	Parentage outcomes in response to estrogen exposure are modified by social grouping in zebrafish. *Environmental Science & Technology*, **2009**, 43, 8400-5	10.3	15
58	Estrogenic wastewater treatment works effluents reduce egg production in fish. *Environmental Science & Technology*, **2009**, 43, 2976-82	10.3	67
57	Sexual reprogramming and estrogenic sensitization in wild fish exposed to ethinylestradiol. *Environmental Science & Technology*, **2009**, 43, 1219-25	10.3	105
56	Fish toxicogenomics. *Advances in Experimental Biology*, **2008**, 2, 75-325		9
55	An environmental estrogen alters reproductive hierarchies, disrupting sexual selection in group-spawning fish. *Environmental Science & Technology*, **2008**, 42, 5020-5	10.3	88
54	Variability in measures of reproductive success in laboratory-kept colonies of zebrafish and implications for studies addressing population-level effects of environmental chemicals. *Aquatic Toxicology*, **2008**, 87, 115-26	5.1	61

53	A practicable laboratory flow-through exposure system for assessing the health effects of effluents in fish. *Aquatic Toxicology*, **2008**, 88, 164-72	5.1	13
52	Imaging metal oxide nanoparticles in biological structures with CARS microscopy. *Optics Express*, **2008**, 16, 3408-19	3.3	80
51	Roach, Sex, and Gender-Bending Chemicals: The Feminization of Wild Fish in English Rivers. *BioScience*, **2008**, 58, 1051-1059	5.7	89
50	Altered sexual development in roach (Rutilus rutilus) exposed to environmental concentrations of the pharmaceutical 17alpha-ethinylestradiol and associated expression dynamics of aromatases and estrogen receptors. *Toxicological Sciences*, **2008**, 106, 113-23	4.4	73
49	Investigation of nitrification and nitrogen removal from centrate in a submerged attached-growth bioreactor. *Water Environment Research*, **2008**, 80, 222-8	2.8	7
48	Manufactured nanoparticles: their uptake and effects on fish--a mechanistic analysis. *Ecotoxicology*, **2008**, 17, 396-409	2.9	323
47	Estrogen-induced alterations in amh and dmrt1 expression signal for disruption in male sexual development in the zebrafish. *Environmental Science & Technology*, **2007**, 41, 6305-10	10.3	85
46	Gene expression profiling for understanding chemical causation of biological effects for complex mixtures: a case study on estrogens. *Environmental Science & Technology*, **2007**, 41, 8187-94	10.3	40
45	Health impacts of estrogens in the environment, considering complex mixture effects. *Environmental Health Perspectives*, **2007**, 115, 1704-10	8.4	104
44	Cloning and characterization of cDNAs for hormones and/or receptors of growth hormone, insulin-like growth factor-I, thyroid hormone, and corticosteroid and the gender-, tissue-, and developmental-specific expression of their mRNA transcripts in fathead minnow (Pimephales promelas). *General and Comparative Endocrinology*, **2007**, 150, 151-63	3	65
43	Endocrine disruption. *General and Comparative Endocrinology*, **2007**, 153, 13-4	3	5
42	An optimised experimental test procedure for measuring chemical effects on reproduction in the fathead minnow, Pimephales promelas. *Aquatic Toxicology*, **2007**, 81, 90-8	5.1	20
41	Gene expression profiles revealing the mechanisms of anti-androgen- and estrogen-induced feminization in fish. *Aquatic Toxicology*, **2007**, 81, 219-31	5.1	260
40	Gonadal transcriptome responses and physiological consequences of exposure to oestrogen in breeding zebrafish (Danio rerio). *Aquatic Toxicology*, **2007**, 83, 134-42	5.1	76
39	Associations between altered vitellogenin concentrations and adverse health effects in fathead minnow (Pimephales promelas). *Aquatic Toxicology*, **2007**, 85, 176-83	5.1	65
38	Functional associations between two estrogen receptors, environmental estrogens, and sexual disruption in the roach (Rutilus rutilus). *Environmental Science & Technology*, **2007**, 41, 3368-74	10.3	50
37	The roach (Rutilus rutilus) as a sentinel for assessing endocrine disruption. *Environmental Sciences: an International Journal of Environmental Physiology and Toxicology*, **2007**, 14, 235-53		9
36	Toxicogenomics in regulatory ecotoxicology. *Environmental Science & Technology*, **2006**, 40, 4055-65	10.3	221

35	Multiple molecular effect pathways of an environmental oestrogen in fish. *Journal of Molecular Endocrinology*, **2006**, 37, 121-34	4.5	113
34	Development and validation of a direct homologous quantitative sandwich ELISA for fathead minnow (Pimephales promelas) vitellogenin. *Aquatic Toxicology*, **2006**, 78, 202-6	5.1	18
33	Assessing the sensitivity of different life stages for sexual disruption in roach (Rutilus rutilus) exposed to effluents from wastewater treatment works. *Environmental Health Perspectives*, **2005**, 113, 1299-307	8.4	93
32	Effects of atrazine on sex steroid dynamics, plasma vitellogenin concentration and gonad development in adult goldfish (Carassius auratus). *Aquatic Toxicology*, **2004**, 66, 369-79	5.1	142
31	Long-term exposure to environmental concentrations of the pharmaceutical ethynylestradiol causes reproductive failure in fish. *Environmental Health Perspectives*, **2004**, 112, 1725-33	8.4	460
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