Helmut Segner

List of Publications by Year
in descending order

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236 papers	11,892 citations	18436 62 h-index	38300 95 g-index
242 all docs	242 docs citations	242 times ranked	10269 citing authors

#	Article	IF	Citations
1	Screening and Testing for Endocrine Disruption in Fishâ€"Biomarkers As â€œSignposts,â€•Not â€œTraffic Lights,â€•in Risk Assessment. Environmental Health Perspectives, 2006, 114, 106-114.	2.8	438
2	Identification of endocrine-disrupting effects in aquatic vertebrates and invertebrates: report from the European IDEA project. Ecotoxicology and Environmental Safety, 2003, 54, 302-314.	2.9	313
3	Contaminated food and uptake of heavy metals by fish: a review and a proposal for further research. Oecologia, 1987, 73, 91-98.	0.9	308
4	Interference of endocrine disrupting chemicals with aromatase CYP19 expression or activity, and consequences for reproduction of teleost fish. General and Comparative Endocrinology, 2008, 155, 31-62.	0.8	280
5	Morphological development of the gonads in zebrafish. Journal of Fish Biology, 2003, 62, 895-906.	0.7	259
6	Future water quality monitoring â€" Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551.	3.9	243
7	Aromatase modulation alters gonadal differentiation in developing zebrafish (Danio rerio). Aquatic Toxicology, 2004, 67, 105-126.	1.9	232
8	Increasing Scientific Confidence in Adverse Outcome Pathways: Application of Tailored Bradford-Hill Considerations for Evaluating Weight of Evidence. Regulatory Toxicology and Pharmacology, 2015, 72, 514-537.	1.3	198
9	The use of Fish Cells in Ecotoxicology: The Report and Recommendations of ECVAM Workshop 47[,]. ATLA Alternatives To Laboratory Animals, 2003, 31, 317-351.	0.7	192
10	Zebrafish (Danio rerio) as a model organism for investigating endocrine disruption. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 187-195.	1.3	177
11	Health of farmed fish: its relation to fish welfare and its utility as welfare indicator. Fish Physiology and Biochemistry, 2012, 38, 85-105.	0.9	172
12	AN ENVIRONMENTALLY RELEVANT CONCENTRATION OF ESTROGEN INDUCES ARREST OF MALE GONAD DEVELOPMENT IN ZEBRAFISH, DANIO RERIO. Environmental Toxicology and Chemistry, 2005, 24, 1088.	2.2	166
13	The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. Science of the Total Environment, 2015, 503-504, 22-31.	3.9	163
14	Cytochrome P4501A (CYP1A) in teleostean fishes. A review of immunohistochemical studies. Science of the Total Environment, 2000, 247, 313-332.	3.9	150
15	Antiestrogenicity of Î²-naphthoflavone and PAHs in cultured rainbow trout hepatocytes: evidence for a role of the arylhydrocarbon receptor. Aquatic Toxicology, 2000, 51, 79-92.	1.9	133
16	Proliferative kidney disease in Switzerland: current state of knowledge. Journal of Fish Diseases, 2002, 25, 491-500.	0.9	125
17	Larval Nutritional Physiology: Studies with Clarias gariepinus, Coregonus lavaretus and Scophthalmus maximus. Journal of the World Aquaculture Society, 1993, 24, 121-134.	1.2	120
18	Estrogen-mediated suppression of cytochrome P4501A (CYP1A) expression in rainbow trout hepatocytes: role of estrogen receptor. Chemico-Biological Interactions, 2001, 138, 285-298.	1.7	120

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19	Potencies of estrogenic compounds in in vitro screening assays and in life cycle tests with zebrafish in vivo. Ecotoxicology and Environmental Safety, 2003, 54, 315-322.	2.9	119
20	Alterations of physiological energetics, growth and reproduction of Daphnia magna under toxicant stress. Aquatic Toxicology, 2001, 53, 79-90.	1.9	117
21	Bioassay-Directed Identification of Organic Toxicants in River Sediment in the Industrial Region of Bitterfeld (Germany)Â—A Contribution to Hazard Assessment. Archives of Environmental Contamination and Toxicology, 1999, 37, 164-174.	2.1	111
22	Assessment of fish health status in four Swiss rivers showing a decline of brown trout catches. Aquatic Sciences, 2007, 69, 11-25.	0.6	110
23	Zebrafish (Danio rerio) neuromast: Promising biological endpoint linking developmental and toxicological studies. Aquatic Toxicology, 2009, 95, 307-319.	1.9	109
24	The Development of a Functional Digestive System in the African Catfish Clarias gariepinus (Burchell). Journal of the World Aquaculture Society, 1992, 23, 286-298.	1.2	102
25	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1998, 26, 617-658.	0.7	101
26	Where Have All the Fish Gone?. Environmental Science & Technology, 2005, 39, 441A-447A.	4.6	100
27	Different sensitivity to organophosphates of acetylcholinesterase and butyrylcholinesterase from threeâ€spined stickleback (Gasterosteus aculeatus): Application in biomonitoring. Environmental Toxicology and Chemistry, 2000, 19, 1607-1615.	2.2	98
28	Toward sustainable environmental quality: Priority research questions for Europe. Environmental Toxicology and Chemistry, 2018, 37, 2281-2295.	2.2	98
29	Thyroid disruption in zebrafish (Danio rerio) larvae: Different molecular response patterns lead to impaired eye development and visual functions. Aquatic Toxicology, 2016, 172, 44-55.	1.9	94
30	Climate change and infectious diseases of wildlife: Altered interactions between pathogens, vectors and hosts. Environmental Epigenetics, 2013, 59, 427-437.	0.9	93
31	Isolation and primary culture of teleost hepatocytes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 120, 71-81.	0.8	88
32	Differential expression of IGF-I mRNA and peptide in the male and female gonad during early development of a bony fish, the tilapia Oreochromis niloticus. General and Comparative Endocrinology, 2006, 146, 204-210.	0.8	88
33	Attenuated virulence of an Aeromonas salmonicida subsp. salmonicida type III secretion mutant in a rainbow trout model. Microbiology (United Kingdom), 2005, 151, 2111-2118.	0.7	87
34	Vitellogenin synthesis in primary cultures of fish liver cells as endpoint for in vitro screening of the (anti)estrogenic activity of chemical substances. Aquatic Toxicology, 2006, 80, 1-22.	1.9	84
35	The Use of Biomarkers in Daphnia magna Toxicity Testing V. In Vivo Alterations in the Carbohydrate Metabolism of Daphnia magna Exposed to Sublethal Concentrations of Mercury and Lindane. Ecotoxicology and Environmental Safety, 2001, 48, 223-234.	2.9	83
36	Environmentally Relevant Concentrations of 17Î±-Ethinylestradiol (EE2) Interfere With the Growth Hormone (GH)/Insulin-Like Growth Factor (IGF)-I System in Developing Bony Fish. Toxicological Sciences, 2008, 106, 93-102.	1.4	83

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37	Decline of fish catch in Switzerland. , 2002, 64, 36-54.		82
38	Proliferative kidney disease in rainbow trout: time- and temperature-related renal pathology and parasite distribution. Diseases of Aquatic Organisms, 2009, 83, 67-76.	0.5	82
39	Endocrine disrupting compounds: Can they target the immune system of fish?. Marine Pollution Bulletin, 2011, 63, 412-416.	2.3	82
40	Digestive enzymes in larval Coregonus lavaretus L.. Journal of Fish Biology, 1989, 35, 249-263.	0.7	81
41	Expression of Zebra Fish Aromatase cyp19a and cyp19b Genes in Response to the Ligands of Estrogen Receptor and Aryl Hydrocarbon Receptor. Toxicological Sciences, 2006, 96, 255-267.	1.4	79
42	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity (5 pp). Environmental Science and Pollution Research, 2005, 12, 252-256.	2.7	76
43	CHARACTERIZATION OF THE ESTROGENICITY OF SWISS MIDLAND RIVERS USING A RECOMBINANT YEAST BIOASSAY AND PLASMA VITELLOGENIN CONCENTRATIONS IN FERAL MALE BROWN TROUT. Environmental Toxicology and Chemistry, 2005, 24, 2226.	2.2	74
44	Emergence of Canine Distemper Virus Strains With Modified Molecular Signature and Enhanced Neuronal Tropism Leading to High Mortality in Wild Carnivores. Veterinary Pathology, 2012, 49, 913-929.	0.8	74
45	Comment on â€œLessons from Endocrine Disruption and Their Application to Other Issues Concerning Trace Organics in the Aquatic Environmentâ€• Environmental Science & Technology, 2006, 40, 1084-1085.	4.6	73
46	20 Years of fish immunotoxicology â€“ what we know and where we are. Critical Reviews in Toxicology, 2017, 47, 516-542.	1.9	72
47	Cytotoxicity of metals in isolated fish cells: Importance of the cellular glutathione status. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 120, 83-88.	0.8	71
48	Proliferative kidney disease (PKD) of rainbow trout: temperature- and time-related changes ofTetracapsuloides bryosalmonaeDNA in the kidney. Parasitology, 2009, 136, 615-625.	0.7	71
49	Protein and Lipid Binding Parameters in Rainbow Trout (Oncorhynchus mykiss) Blood and Liver Fractions to Extrapolate from anin VitroMetabolic Degradation Assay toin VivoBioaccumulation Potential of Hydrophobic Organic Chemicals. Chemical Research in Toxicology, 2011, 24, 1134-1143.	1.7	71
50	Human and ecological risk assessment of a crop protection chemical: a case study with the azole fungicide epoxiconazole. Critical Reviews in Toxicology, 2014, 44, 176-210.	1.9	71
51	Alterations of tissue glutathione levels and metallothionein mRNA in rainbow trout during single and combined exposure to cadmium and zinc. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 131, 231-243.	1.3	70
52	The state of in vitro science for use in bioaccumulation assessments for fish. Environmental Toxicology and Chemistry, 2009, 28, 86-96.	2.2	69
53	Immunotoxic effects of environmental toxicants in fish â€” how to assess them?. Environmental Science and Pollution Research, 2012, 19, 2465-2476.	2.7	69
54	The teleostean liver as an immunological organ: Intrahepatic immune cells (IHICs) in healthy and benzo[a]pyrene challenged rainbow trout (Oncorhynchus mykiss). Developmental and Comparative Immunology, 2014, 46, 518-529.	1.0	69

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55	Biochemical and enzymatic characterization of decapsulated cysts and nauplii of the brine shrimp Artemia at different developmental stages. Aquaculture, 1998, 161, 501-514.	1.7	68
56	Life-stage-dependent sensitivity of zebrafish (Danio rerio) to estrogen exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 139, 47-55.	1.3	68
57	Moving beyond a descriptive aquatic toxicology: The value of biological process and trait information. Aquatic Toxicology, 2011, 105, 50-55.	1.9	67
58	Ethinylestradiol differentially interferes with IGF-I in liver and extrahepatic sites during development of male and female bony fish. Journal of Endocrinology, 2007, 195, 513-523.	1.2	66
59	ASSESSMENT OF ESTROGENIC EXPOSURE IN BROWN TROUT (SALMO TRUTTA) IN A SWISS MIDLAND RIVER: INTEGRATED ANALYSIS OF PASSIVE SAMPLERS, WILD AND CAGED FISH, AND VITELLOGENIN mRNA AND PROTEIN. Environmental Toxicology and Chemistry, 2006, 25, 2077.	2.2	65
60	Fixedâ€effectâ€level toxicity equivalentsâ€”a suitable parameter for assessing ethoxyresorufinâ€Oâ€deethylase induction potency in complex environmental samples. Environmental Toxicology and Chemistry, 2000, 19, 2493-2501.	2.2	64
61	Reversibility of endocrine disruption in zebrafish (Danio rerio) after discontinued exposure to the estrogen 17Î±-ethinylestradiol. Toxicology and Applied Pharmacology, 2014, 278, 230-237.	1.3	64
62	A comparative study on the nutritional quality of decapsulated Artemia cysts, micro-encapsulated eng diets and enriched dry feeds for Clarias gariepinus (Burchell) larvae. Aquaculture, 1987, 63, 269-282.	1.7	63
63	17Beta-estradiol affects the response of complement components and survival of rainbow trout (Oncorhynchus mykiss) challenged by bacterial infection. Fish and Shellfish Immunology, 2011, 31, 90-97.	1.6	63
64	The immunomodulatory role of the hypothalamus-pituitary-gonad axis: Proximate mechanism for reproduction-immune trade offs?. Developmental and Comparative Immunology, 2017, 66, 43-60.	1.0	63
65	FIXED-EFFECT-LEVEL TOXICITY EQUIVALENTSâ€”A SUITABLE PARAMETER FOR ASSESSING ETHOXYRESORUFIN-O-DEETHYLASE INDUCTION POTENCY IN COMPLEX ENVIRONMENTAL SAMPLES. Environmental Toxicology and Chemistry, 2000, 19, 2493.	2.2	63
66	Polycyclic aromatic hydrocarbons as inducers of cytochrome P4501A enzyme activity in the rainbow trout liver cell line, RTLâ€W1, and in primary cultures of rainbow trout hepatocytes. Environmental Toxicology and Chemistry, 2001, 20, 632-643.	2.2	62
67	Cytotoxicity Assays with Fish Cells as an Alternative to the Acute Lethality Test with Fish. ATLA Alternatives To Laboratory Animals, 2004, 32, 375-382.	0.7	62
68	Global proteomics analysis of testis and ovary in adult zebrafish (Danio rerio). Fish Physiology and Biochemistry, 2011, 37, 619-647.	0.9	62
69	Impact of environmental estrogens on Yfish considering the diversity of estrogen signaling. General and Comparative Endocrinology, 2013, 191, 190-201.	0.8	61
70	Hepatocellular adaptation to extreme nutritional conditions in ide,Leuciscus idus melanotus L. (Cyprinidae). A morphofunctional analysis. Fish Physiology and Biochemistry, 1988, 5, 79-97.	0.9	59
71	Tissue-specific induction of EROD activity and CYP1A protein in Sparus aurata exposed to B(a)P and TCDD. Ecotoxicology and Environmental Safety, 2008, 69, 80-88.	2.9	58
72	Who needs the hotspot? The effect of temperature on the fish host immune response to Tetracapsuloides bryosalmonae the causative agent of proliferative kidney disease. Fish and Shellfish Immunology, 2017, 63, 424-437.	1.6	58

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73	Comparative Cytotoxicity Study of Silver Nanoparticles (AgNPs) in a Variety of Rainbow Trout Cell Lines (RTL-W1, RTH-149, RTG-2) and Primary Hepatocytes. International Journal of Environmental Research and Public Health, 2015, 12, 5386-5405.	1.2	57
74	Antiestrogenic activity of anthropogenic and natural chemicals. Environmental Science and Pollution Research, 1998, 5, 75-82.	2.7	56
75	Development and validation of a homologous zebrafish (Danio rerio Hamiltonâ€“Buchanan) vitellogenin enzyme-linked immunosorbent assay (ELISA) and its application for studies on estrogenic chemicals. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2001, 129, 217-232.	1.3	56
76	The effect of feeding astaxanthin to Oreochromis niloticus and Colisa labiosa on the histology of the liver. Aquaculture, 1989, 79, 381-390.	1.7	54
77	Effects of prochloraz and nonylphenol diethoxylate on hepatic biotransformation enzymes in trout: a comparative in vitro/in vivo-assessment using cultured hepatocytes. Aquatic Toxicology, 2001, 53, 229-245.	1.9	54
78	Variability of in vivo fish acute toxicity data. Regulatory Toxicology and Pharmacology, 2009, 54, 294-300.	1.3	54
79	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1998, 26, 131-183.	0.7	54
80	Estrogen receptor subtype Î²2 is involved in neuromast development in zebrafish (Danio rerio) larvae. Developmental Biology, 2009, 330, 32-43.	0.9	53
81	Title is missing!. Hydrobiologia, 2001, 8, 161-178.	1.0	52
82	Response of fed and starved roach, Rutilus rutilus, to sublethal copper contamination. Journal of Fish Biology, 1987, 30, 423-437.	0.7	51
83	Detection of DNA damage in two cell lines from rainbow trout, RTG-2 and RTL-W1, using the comet assay. Environmental Toxicology, 2001, 16, 321-329.	2.1	51
84	Binding of Xenobiotics to Hepatic Estrogen Receptor and Plasma Sex Steroid Binding Protein in the Teleost Fish, the Common Carp (Cyprinus carpio). General and Comparative Endocrinology, 2000, 119, 287-299.	0.8	50
85	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1998, 26, 93-129.	0.7	50
86	Kidney pathology and parasite intensity in rainbow trout Oncorhynchus mykiss surviving proliferative kidney disease: time course and influence of temperature. Diseases of Aquatic Organisms, 2012, 97, 207-218.	0.5	50
87	Nutritional Metabolic Bone Disease in Juvenile Veiled Chameleons (Chamaeleo calyptratus) and Its Prevention. Journal of Nutrition, 2010, 140, 1923-1931.	1.3	49
88	Developmental toxicity and endocrine disrupting potency of 4-azapyrene, benzo[b]fluorene and retene in the zebrafish Danio rerio. Reproductive Toxicology, 2012, 33, 213-223.	1.3	49
89	In vitro or not in vitro: a short journey through a long history. Environmental Sciences Europe, 2018, 30, 23.	2.6	49
90	Modulation of trout 7-ethoxyresorufin-O-deethylase (EROD) activity by estradiol and octylphenol. Marine Environmental Research, 2000, 50, 157-162.	1.1	48

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91	The zebrafish, brainâ€specific, aromatase cyp19a2 is neither expressed nor distributed in a sexually dimorphic manner during sexual differentiation. Developmental Dynamics, 2007, 236, 3155-3166.	0.8	48
92	Adaptive changes of liver composition and structure in golden ide during winter acclimatization. The Journal of Experimental Zoology, 1990, 255, 171-185.	1.4	47
93	Association of Type III secretion genes with virulence of Aeromonas salmonicida subsp. salmonicida. Diseases of Aquatic Organisms, 2003, 57, 167-171.	0.5	47
94	Metabolic enzyme activities in larvae of the African catfish, Clarias gariepinus: changes in relation to age and nutrition. Fish Physiology and Biochemistry, 1995, 14, 385-398.	0.9	46
95	Use ofIn VitroAbsorption, Distribution, Metabolism, and Excretion (ADME) Data in Bioaccumulation Assessments for Fish. Human and Ecological Risk Assessment (HERA), 2007, 13, 1164-1191.	1.7	46
96	Microassay for rapid measurement of 7-ethoxyresorufin-O-deethylase activity in intact fish hepatocytes. Marine Environmental Research, 1998, 46, 369-373.	1.1	45
97	Metabolic Activity in Primary Cultures of Fish Hepatocytes. ATLA Alternatives To Laboratory Animals, 2001, 29, 251-257.	0.7	44
98	Effects of parathion on acetylcholinesterase, butyrylcholinesterase, and carboxylesterase in threeâ€spined stickleback (Gasterosteus aculeatus) following shortâ€term exposure. Environmental Toxicology and Chemistry, 2001, 20, 1528-1531.	2.2	44
99	Microplastics negatively impact embryogenesis and modulate the immune response of the marine medaka Oryzias melastigma. Marine Pollution Bulletin, 2020, 158, 111349.	2.3	44
100	Multivariate mode-of-action analysis of acute toxicity of phenols. Aquatic Toxicology, 1997, 38, 277-296.	1.9	43
101	Effects of nonylphenol on estrogen receptor conformation, transcriptional activity and sexual reversion in rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 2001, 53, 173-186.	1.9	43
102	Intersex Occurrence in Rainbow Trout (Oncorhynchus mykiss) Male Fry Chronically Exposed to Ethynylestradiol. PLoS ONE, 2014, 9, e98531.	1.1	43
103	Candidatus Syngnamydia Venezia, a Novel Member of the Phylum Chlamydiae from the Broad Nosed Pipefish, Syngnathus typhle. PLoS ONE, 2013, 8, e70853.	1.1	43
104	Î²-Naphthoflavone alters normal plasma levels of vitellogenin, 17Î²-estradiol and luteinizing hormone in sea bass broodstock. Aquatic Toxicology, 2004, 67, 337-345.	1.9	41
105	Assessment of Metabolic Stability Using the Rainbow Trout (Oncorhynchus mykiss) Liver S9 Fraction. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2012, 53, Unit 14.10.1-28.	1.1	40
106	Persistence of endocrine disruption in zebrafish (Danio rerio) after discontinued exposure to the androgen 17Î²â€trenbolone. Environmental Toxicology and Chemistry, 2014, 33, 2488-2496.	2.2	40
107	Ontogeny of IGF-1 and the classical islet hormones in the turbot, Scophthalmus maximus. Peptides, 1995, 16, 113-122.	1.2	39
108	A natural freshwater origin for two chlamydial species, Candidatus Piscichlamydia salmonis and Candidatus Clavochlamydia salmonicola, causing mixed infections in wild brown trout (Salmo trutta). Environmental Microbiology, 2012, 14, 2048-2057.	1.8	39

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109	Temperature-related parasite infection dynamics: the case of proliferative kidney disease of brown trout. Parasitology, 2018, 145, 281-291.	0.7	38
110	The potential of mechanism-based bioanalytical tools in ecotoxicological exposure and effect assessment. Analytical and Bioanalytical Chemistry, 2003, 377, 386-396.	1.9	37
111	Cytochrome P4501A induction in brown trout exposed to small streams of an urbanised area: results of a five-year-study. Environmental Pollution, 2005, 136, 231-242.	3.7	37
112	Surface Marker-Defined Head Kidney Granulocytes and B Lymphocytes of Rainbow Trout Express Benzo[a]pyrene-Inducible Cytochrome P4501A Protein. Toxicological Sciences, 2008, 103, 86-96.	1.4	37
113	Cultured trout liver cells: Utilization of substrates and response to hormones. In Vitro Cellular and Developmental Biology - Animal, 1994, 30, 306-311.	0.7	36
114	Expression and functional activity of P-glycoprotein in cultured hepatocytes fromOncorhynchus mykiss. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R1119-R1126.	0.9	36
115	Reliability of In Vitro Methods Used to Measure Intrinsic Clearance of Hydrophobic Organic Chemicals by Rainbow Trout: Results of an International Ring Trial. Toxicological Sciences, 2018, 164, 563-575.	1.4	36
116	The effect of low HUFA- and high HUFA-enriched Artemia, fed at different feeding levels, on growth, survival, tissue fatty acids and liver histology of Clarias gariepinus larvae. Aquaculture, 1994, 126, 137-150.	1.7	35
117	Intra- and Interlaboratory Reliability of a Cryopreserved Trout Hepatocyte Assay for the Prediction of Chemical Bioaccumulation Potential. Environmental Science & Technology, 2014, 48, 8170-8178.	4.6	35
118	Detection and quantification of Flavobacterium psychrophilum in water and fish tissue samples by quantitative real time PCR. BMC Microbiology, 2014, 14, 105.	1.3	35
119	Exploring the immune response, tolerance and resistance in proliferative kidney disease of salmonids. Developmental and Comparative Immunology, 2019, 90, 165-175.	1.0	35
120	Cytotoxicity of metals toward rainbow trout R1 cell line. Environmental Toxicology and Water Quality, 1994, 9, 273-279.	0.7	34
121	Induction of cytochrome P4501A (CYP1A) by clotrimazole, a non-planar aromatic compound. Computational studies on structural features of clotrimazole and related imidazole derivatives. Life Sciences, 2004, 76, 699-714.	2.0	32
122	Analysis of protein expression in zebrafish during gonad differentiation by targeted proteomics. General and Comparative Endocrinology, 2013, 193, 210-220.	0.8	32
123	Benzo(a)pyrene Metabolism and EROD and GST Biotransformation Activity in the Liver of Red- and White-Blooded Antarctic Fish. Environmental Science & Technology, 2015, 49, 8022-8032.	4.6	32
124	A role for multiple estrogen receptors in immune regulation of common carp. Developmental and Comparative Immunology, 2017, 66, 61-72.	1.0	32
125	Expert opinion on toxicity profilingâ€"report from a NORMAN expert group meeting. Integrated Environmental Assessment and Management, 2013, 9, 185-191.	1.6	31
126	Molecular epidemiology of Flavobacterium psychrophilum from Swiss fish farms. Diseases of Aquatic Organisms, 2013, 105, 203-210.	0.5	31

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127	Prochloraz causes irreversible masculinization of zebrafish (Danio rerio). Environmental Science and Pollution Research, 2015, 22, 16417-16422.	2.7	31
128	An International Perspective on the Tools and Concepts for Effluent Toxicity Assessments in the Context of Animal Alternatives: Reduction in Vertebrate Use. Environmental Toxicology and Chemistry, 2018, 37, 2745-2757.	2.2	31
129	Thyroid Hormone Disruptors Interfere with Molecular Pathways of Eye Development and Function in Zebrafish. International Journal of Molecular Sciences, 2019, 20, 1543.	1.8	31
130	Monitoring Pollution in River MureÅž, Romania, Part III: biochemical effect markers in fish and integrative reflection. Environmental Monitoring and Assessment, 2007, 127, 47-54.	1.3	30
131	Antimicrobial activity and mechanisms of multiple antimicrobial peptides isolated from rockfish Sebastiscus marmoratus. Fish and Shellfish Immunology, 2019, 93, 1007-1017.	1.6	30
132	COMET ASSAY WITH THE FISH CELL LINE RAINBOW TROUT GONAD-2 FOR IN VITRO GENOTOXICITY TESTING OF XENOBIOTICS AND SURFACE WATERS. Environmental Toxicology and Chemistry, 2005, 24, 2078.	2.2	29
133	Growth, aluminium uptake and mucous cell morphometrics of early life stages of brown trout, Salmo trutta, in low pH water. Environmental Biology of Fishes, 1988, 21, 153-159.	0.4	28
134	Liver Toxicity. , 2008, , 327-400.		28
135	Molecular and cellular effects of contamination in aquatic ecosystems. Environmental Science and Pollution Research, 2015, 22, 17261-17266.	2.7	26
136	Establishing Causality between Pollution and Effects at Different Levels of Biological Organization: The VALIMAR Project. Human and Ecological Risk Assessment (HERA), 2003, 9, 171-194.	1.7	24
137	Bioavailability of pharmaceuticals in waters close to wastewater treatment plants: Use of fish bile for exposure assessment. Environmental Toxicology and Chemistry, 2012, 31, 1831-1837.	2.2	24
138	Tissue-Specific Metabolism of Benzo[a]pyrene in Rainbow Trout (Oncorhynchus mykiss): A Comparison between the Liver and Immune Organs. Drug Metabolism and Disposition, 2014, 42, 111-118.	1.7	24
139	Long-term exposure to low 17Î±-ethinylestradiol (EE2) concentrations disrupts both the reproductive and the immune system of juvenile rainbow trout, Oncorhynchus mykiss. Environment International, 2020, 142, 105836.	4.8	24
140	Preexposure temperature acclimation and diet as modifying factors for the tolerance of golden ide (Leuciscus idus melanotus) to short-term exposure to 4-chloroaniline. Ecotoxicology and Environmental Safety, 1992, 24, 72-94.	2.9	23
141	Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects. Chimia, 2008, 62, 376.	0.3	23
142	Feed contamination with zearalenone promotes growth but affects the immune system of rainbow trout. Fish and Shellfish Immunology, 2019, 84, 680-694.	1.6	23
143	Developmental, Reproductive, and Demographic Alterations in Aquatic Wildlife: Establishing Causality between Exposure to Endocrine-active Compounds (EACs) and Effects. Clean - Soil, Air, Water, 2005, 33, 17-26.	0.8	22
144	Aromatase in zebrafish: A potential target for endocrine disrupting chemicals. Marine Environmental Research, 2006, 62, S187-S190.	1.1	22

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145	Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs. Chimia, 2008, 62, 383-388.	0.3	22
146	Sex-specific immunomodulatory action of the environmental estrogen 17Î±-ethynylestradiol alongside with reproductive impairment in fish. Aquatic Toxicology, 2018, 203, 95-106.	1.9	22
147	Transcriptomic analysis of the impacts of ethinylestradiol (EE2) and its consequences for proliferative kidney disease outcome in rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 222, 31-48.	1.3	22
148	Binding and bioactivity of insulin in primary cultures of carp (Cyprinus carpio) hepatocytes. Fish Physiology and Biochemistry, 1993, 11, 411-420.	0.9	21
149	Chapter 18 P-glycoproteins and xenobiotic efflux transport in fish. Biochemistry and Molecular Biology of Fishes, 2005, 6, 495-533.	0.5	21
150	Assessing endocrine disruption in freshwater fish species from a â€œhotspotâ€•for estrogenic activity in sediment. Environmental Pollution, 2020, 257, 113636.	3.7	21
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