

# Werner Kloas

## List of Publications by Year in descending order

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140  
papers

9,944  
citations

53751

45  
h-index

38368

95  
g-index

142  
all docs

142  
docs citations

142  
times ranked

8912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics as an emerging threat to terrestrial ecosystems. <i>Global Change Biology</i> , 2018, 24, 1405-1416.	4.2	1,303
2	Microplastics Can Change Soil Properties and Affect Plant Performance. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6044-6052.	4.6	995
3	Impacts of Microplastics on the Soil Biophysical Environment. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9656-9665.	4.6	930
4	The Dark Side of Light: A Transdisciplinary Research Agenda for Light Pollution Policy. <i>Ecology and Society</i> , 2010, 15, .	1.0	375
5	Short-term exposure with high concentrations of pristine microplastic particles leads to immobilisation of <i>Daphnia magna</i> . <i>Chemosphere</i> , 2016, 153, 91-99.	4.2	367
6	Amphibians as a model to study endocrine disruptors: II. Estrogenic activity of environmental chemicals in vitro and in vivo. <i>Science of the Total Environment</i> , 1999, 225, 59-68.	3.9	292
7	Metal fate and effects in estuaries: A review and conceptual model for better understanding of toxicity. <i>Science of the Total Environment</i> , 2016, 541, 268-281.	3.9	237
8	Bisphenol A induces feminization in <i>Xenopus laevis</i> tadpoles. <i>Environmental Research</i> , 2004, 94, 102-111.	3.7	183
9	Endocrine Disrupting Effects of Herbicides and Pentachlorophenol: In Vitro and in Vivo Evidence. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2144-2150.	4.6	164
10	The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. <i>Nature Ecology and Evolution</i> , 2020, 4, 841-852.	3.4	159
11	Endocrine Disruption in Aquatic Vertebrates. <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 187-200.	1.8	141
12	Exposure to human pharmaceuticals Carbamazepine, Ibuprofen and Bezafibrate causes molecular effects in <i>Dreissena polymorpha</i> . <i>Aquatic Toxicology</i> , 2011, 105, 428-437.	1.9	139
13	Amphibians as a model to study endocrine disruptors: I. Environmental pollution and estrogen receptor binding. <i>Science of the Total Environment</i> , 1999, 225, 49-57.	3.9	135
14	The Challenge Presented by Progestins in Ecotoxicological Research: A Critical Review. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2625-2638.	4.6	128
15	Spotlight on fish: Light pollution affects circadian rhythms of European perch but does not cause stress. <i>Science of the Total Environment</i> , 2015, 511, 516-522.	3.9	121
16	Amphibians as a model for the study of endocrine disruptors. <i>International Review of Cytology</i> , 2002, 216, 1-57.	6.2	116
17	Uncoupling protein 1 in fish uncovers an ancient evolutionary history of mammalian nonshivering thermogenesis. <i>Physiological Genomics</i> , 2005, 22, 150-156.	1.0	111
18	Advanced aquaponics: Evaluation of intensive tomato production in aquaponics vs. conventional hydroponics. <i>Agricultural Water Management</i> , 2016, 178, 335-344.	2.4	109

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19	DESCRIPTION AND INITIAL EVALUATION OF A XENOPUS METAMORPHOSIS ASSAY FOR DETECTION OF THYROID SYSTEMâ€“DISRUPTING ACTIVITIES OF ENVIRONMENTAL COMPOUNDS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 653.	2.2	106
20	Androgenic and antiandrogenic activities in water and sediment samples from the river Lambro, Italy, detected by yeast androgen screen and chemical analyses. <i>Chemosphere</i> , 2007, 67, 1080-1087.	4.2	106
21	The Role of Behavioral Ecotoxicology in Environmental Protection. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5620-5628.	4.6	101
22	Effects of Atrazine in Fish, Amphibians, and Reptiles: An Analysis Based on Quantitative Weight of Evidence. <i>Critical Reviews in Toxicology</i> , 2014, 44, 1-66.	1.9	100
23	Amphibians as model to study endocrine disrupters. <i>Journal of Chromatography A</i> , 2006, 1130, 16-27.	1.8	98
24	Sex steroid receptor evolution and signalling in aquatic invertebrates. <i>Ecotoxicology</i> , 2007, 16, 131-143.	1.1	98
25	Microplastics Reduce Short-Term Effects of Environmental Contaminants. Part I: Effects of Bisphenol A on Freshwater Zooplankton Are Lower in Presence of Polyamide Particles. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 280.	1.2	98
26	Functional genomics and sexual differentiation in amphibians. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 133, 559-570.	0.7	92
27	Impact of different colours of artificial light at night on melatonin rhythm and gene expression of gonadotropins in European perch. <i>Science of the Total Environment</i> , 2016, 543, 214-222.	3.9	90
28	Estrogenicity profile and estrogenic compounds determined in river sediments by chemical analysis, ELISA and yeast assays. <i>Chemosphere</i> , 2008, 73, 1078-1089.	4.2	77
29	Evaluation of Histological and Molecular Endpoints for Enhanced Detection of Thyroid System Disruption in <i>Xenopus laevis</i> Tadpoles. <i>Toxicological Sciences</i> , 2006, 90, 337-348.	1.4	76
30	Insulin-like growth factor-I and -II in the ovary of a bony fish, <i>Oreochromis mossambicus</i> , the tilapia: in situ hybridisation, immunohistochemical localisation, Northern blot and cDNA sequences. <i>Molecular and Cellular Endocrinology</i> , 1999, 156, 141-149.	1.6	72
31	Does Atrazine Influence Larval Development and Sexual Differentiation in <i>Xenopus laevis</i> ?. <i>Toxicological Sciences</i> , 2009, 107, 376-384.	1.4	70
32	Chronic exposure to nitrate significantly reduces growth and affects the health status of juvenile Nile tilapia ( <i>Oreochromis niloticus</i> L.) in recirculating aquaculture systems. <i>Aquaculture Research</i> , 2017, 48, 3482-3492.	0.9	68
33	Effects of tetrabromobisphenol A on larval development and thyroid hormone-regulated biomarkers of the amphibian <i>Xenopus laevis</i> . <i>Environmental Research</i> , 2006, 101, 340-348.	3.7	67
34	Analysis of thyroid hormone receptor $\beta$ mRNA expression in <i>Xenopus laevis</i> tadpoles as a means to detect agonism and antagonism of thyroid hormone action. <i>Toxicology and Applied Pharmacology</i> , 2006, 212, 1-13.	1.3	67
35	Thyroid hormone stimulates hepatic IGF-I mRNA expression in a bony fish, the tilapia <i>Oreochromis mossambicus</i> , in vitro and in vivo. <i>General and Comparative Endocrinology</i> , 2003, 130, 129-134.	0.8	63
36	Estrogens Can Disrupt Amphibian Mating Behavior. <i>PLoS ONE</i> , 2012, 7, e32097.	1.1	57

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37	Decoupled systems on trial: Eliminating bottlenecks to improve aquaponic processes. PLoS ONE, 2017, 12, e0183056.	1.1	57
38	Chronic diclofenac exposure affects gill integrity and pituitary gene expression and displays estrogenic activity in Nile tilapia ( <i>Oreochromis niloticus</i> ). Chemosphere, 2017, 166, 473-481.	4.2	55
39	Development, standardization and refinement of procedures for evaluating effects of endocrine active compounds on development and sexual differentiation of <i>Xenopus laevis</i> . Analytical and Bioanalytical Chemistry, 2008, 390, 2031-2048.	1.9	54
40	Sex reversal assessments reveal different vulnerability to endocrine disruption between deeply diverged anuran lineages. Scientific Reports, 2016, 6, 23825.	1.6	52
41	Binding of Xenobiotics to Hepatic Estrogen Receptor and Plasma Sex Steroid Binding Protein in the Teleost Fish, the Common Carp ( <i>Cyprinus carpio</i> ). General and Comparative Endocrinology, 2000, 119, 287-299.	0.8	50
42	Influence of light intensity and spectral composition of artificial light at night on melatonin rhythm and mRNA expression of gonadotropins in roach <i>Rutilus rutilus</i> . Fish Physiology and Biochemistry, 2018, 44, 1-12.	0.9	50
43	The aquaponic principle – It is all about coupling. Reviews in Aquaculture, 2022, 14, 252-264.	4.6	50
44	Influence of artificially induced light pollution on the hormone system of two common fish species, perch and roach, in a rural habitat. , 2018, 6, coy016.		49
45	Endocrine disrupting chemicals (EDC) with (anti)estrogenic and (anti)androgenic modes of action affecting reproductive biology of <i>Xenopus laevis</i> : II. Effects on gonad histomorphology. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 147, 241-251.	1.3	48
46	Effects of the pharmaceuticals diclofenac and metoprolol on gene expression levels of enzymes of biotransformation, excretion pathways and estrogenicity in primary hepatocytes of Nile tilapia ( <i>Oreochromis niloticus</i> ). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 167, 51-57.	1.3	46
47	The $\beta_2$ -receptor blocker metoprolol alters detoxification processes in the non-target organism <i>Dreissena polymorpha</i> . Environmental Pollution, 2010, 158, 2059-2066.	3.7	45
48	In situ evaluation of the genotoxic potential of the river Nile: II. Detection of DNA strand-breakage and apoptosis in <i>Oreochromis niloticus niloticus</i> (Linnaeus, 1758) and <i>Clarias gariepinus</i> (Burchell, 1822). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 747, 14-21.	0.9	45
49	Organ Damage and Hepatic Lipid Accumulation in Carp ( <i>Cyprinus carpio</i> L.) after Feed-Borne Exposure to the Mycotoxin, Deoxynivalenol (DON). Toxins, 2014, 6, 756-778.	1.5	44
50	Dynamic modeling of the INAPRO aquaponic system. Aquacultural Engineering, 2016, 75, 29-45.	1.4	42
51	Identification of angiotensin I in several vertebrate species: its structural and functional evolution. General and Comparative Endocrinology, 2004, 135, 286-292.	0.8	41
52	Estrogen-like effects of ultraviolet screen 3-(4-methylbenzylidene)-camphor (Eusolex 6300) on cell proliferation and gene induction in mammalian and amphibian cells. Environmental Research, 2005, 97, 274-281.	3.7	41
53	In vivo effects of deoxynivalenol (DON) on innate immune responses of carp ( <i>Cyprinus carpio</i> L.). Food and Chemical Toxicology, 2014, 68, 44-52.	1.8	41
54	Sustainable food protein supply reconciling human and ecosystem health: A Leibniz Position. Global Food Security, 2020, 25, 100367.	4.0	41

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55	A 180 Myr-old female-specific genome region in sturgeon reveals the oldest known vertebrate sex determining system with undifferentiated sex chromosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200089.	1.8	41
56	Molecular effects and bioaccumulation of levonorgestrel in the non-target organism <i>Dreissena polymorpha</i> . <i>Environmental Pollution</i> , 2011, 159, 38-44.	3.7	39
57	An environmentally relevant endocrine-disrupting antiandrogen, vinclozolin, affects calling behavior of male <i>Xenopus laevis</i> . <i>Hormones and Behavior</i> , 2010, 58, 653-659.	1.0	38
58	Low frequency ultrasound and UV-C for elimination of pathogens in recirculating aquaculture systems. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 1211-1216.	3.8	38
59	Recommended approaches to the scientific evaluation of ecotoxicological hazards and risks of endocrine-active substances. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 267-279.	1.6	38
60	Stage-Dependent Changes in Adrenal Steroids and Catecholamines during Development in <i>Xenopus laevis</i> . <i>General and Comparative Endocrinology</i> , 1997, 108, 416-426.	0.8	37
61	The Synthetic Gestagen Levonorgestrel Impairs Metamorphosis in <i>Xenopus laevis</i> by Disruption of the Thyroid System. <i>Toxicological Sciences</i> , 2011, 123, 94-102.	1.4	37
62	Lettuce ( <i>Lactuca sativa</i> , variety Salanova) production in decoupled aquaponic systems: Same yield and similar quality as in conventional hydroponic systems but drastically reduced greenhouse gas emissions by saving inorganic fertilizer. <i>PLoS ONE</i> , 2019, 14, e0218368.	1.1	37
63	Environmental signals: Synthetic humic substances act as xeno-estrogen and affect the thyroid system of <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2005, 61, 1183-1188.	4.2	36
64	Low-Dose Effects: Nonmonotonic Responses for the Toxicity of a <i>Bacillus thuringiensis</i> Biocide to <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , 2017, 51, 1679-1686.	4.6	36
65	Energy allocation in juvenile roach and burbot under different temperature and feeding regimes. <i>Fish Physiology and Biochemistry</i> , 2008, 34, 103-116.	0.9	34
66	Naturally-induced endocrine disruption by the parasite <i>Ligula intestinalis</i> (Cestoda) in roach ( <i>Rutilus rutilus</i> ). <i>Environmental Science &amp; Technology</i> , 2017, 51, 1679-1686.	0.8	34
67	Endocrine disruptors with (anti)estrogenic and (anti)androgenic modes of action affecting reproductive biology of <i>Xenopus laevis</i> : I. Effects on sex steroid levels and biomarker expression. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 144, 310-318.	1.3	33
68	Can skyglow reduce nocturnal melatonin concentrations in Eurasian perch?. <i>Environmental Pollution</i> , 2020, 262, 114324.	3.7	33
69	Mate calling behavior of male South African clawed frogs ( <i>Xenopus laevis</i> ) is suppressed by the antiandrogenic endocrine disrupting compound flutamide. <i>General and Comparative Endocrinology</i> , 2010, 168, 269-274.	0.8	32
70	In situ evaluation of the genotoxic potential of the river Nile: I. Micronucleus and nuclear lesion tests of erythrocytes of <i>Oreochromis niloticus niloticus</i> (Linnaeus, 1758) and <i>Clarias gariepinus</i> (Burchell, 1822). <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 1002-1017.	0.6	31
71	Effects of environmentally relevant concentrations of the xeno-androgen, methylidihydrotestosterone, on male and female mating behavior in <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2012, 87, 1246-1253.	4.2	31
72	The synthetic progestogen, Levonorgestrel, but not natural progesterone, affects male mate calling behavior of <i>Xenopus laevis</i> . <i>General and Comparative Endocrinology</i> , 2012, 176, 385-390.	0.8	31

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73	Expression of sodium-iodide symporter mRNA in the thyroid gland of <i>Xenopus laevis</i> tadpoles: developmental expression, effects of antithyroidal compounds, and regulation by TSH. <i>Journal of Endocrinology</i> , 2006, 190, 157-170.	1.2	30
74	Circadian rhythm of interrenal activity in <i>Xenopus laevis</i> . <i>General and Comparative Endocrinology</i> , 1986, 61, 260-271.	0.8	29
75	The Synthetic Gestagen Levonorgestrel Disrupts Sexual Development in <i>Xenopus laevis</i> by Affecting Gene Expression of Pituitary Gonadotropins and Gonadal Steroidogenic Enzymes. <i>Toxicological Sciences</i> , 2011, 124, 311-319.	1.4	29
76	Expression of gonadotropin subunits in roach ( <i>Rutilus rutilus</i> , Cyprinidae) infected with plerocercoids of the tapeworm <i>Ligula intestinalis</i> (Cestoda). <i>International Journal for Parasitology</i> , 2009, 39, 1465-1473.	1.3	27
77	The plasticizer bisphenol A affects somatic and sexual development, but differently in pipid, hylid and bufonid anurans. <i>Environmental Pollution</i> , 2016, 216, 282-291.	3.7	27
78	Atrial natriuretic factor (ANF) binding sites in frog kidney and adrenal. <i>Peptides</i> , 1992, 13, 297-303.	1.2	26
79	Effects of 17 $\beta$ -estradiol exposure on <i>Xenopus laevis</i> gonadal histopathology. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1091-1105.	2.2	24
80	p,p'-Dichlordiphenyldichloroethylene (p,p'-DDE) can elicit antiandrogenic and estrogenic modes of action in the amphibian <i>Xenopus laevis</i> . <i>Physiology and Behavior</i> , 2016, 167, 172-178.	1.0	24
81	Diclofenac can exhibit estrogenic modes of action in male <i>Xenopus laevis</i> , and affects the hypothalamus-pituitary-gonad axis and mating vocalizations. <i>Chemosphere</i> , 2017, 173, 69-77.	4.2	24
82	Model-based management strategy for resource efficient design and operation of an aquaponic system. <i>Aquacultural Engineering</i> , 2018, 83, 27-39.	1.4	24
83	Corticosteroids disrupt amphibian metamorphosis by complex modes of action including increased prolactin expression. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 314-321.	1.3	23
84	The adjuvant effect of low frequency ultrasound when applied with an inactivated <i>Aeromonas salmonicida</i> vaccine to rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Vaccine</i> , 2015, 33, 1369-1374.	1.7	23
85	Population-relevant endpoints in the evaluation of endocrine-active substances (EAS) for ecotoxicological hazard and risk assessment. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 317-330.	1.6	23
86	Binding and bioactivity of insulin in primary cultures of carp ( <i>Cyprinus carpio</i> ) hepatocytes. <i>Fish Physiology and Biochemistry</i> , 1993, 11, 411-420.	0.9	21
87	Physiological responses of <i>Xenopus laevis</i> tadpoles exposed to cyanobacterial biomass containing microcystin-LR. <i>Aquatic Toxicology</i> , 2013, 128-129, 25-33.	1.9	21
88	An innovative suction filter device reduces nitrogen loss in double recirculating aquaponic systems. <i>Aquacultural Engineering</i> , 2018, 82, 63-72.	1.4	21
89	Localization of binding sites for atrial natriuretic factor and angiotensin II in the central nervous system of the clawed toad <i>Xenopus laevis</i> . <i>Cell and Tissue Research</i> , 1992, 267, 365-373.	1.5	20
90	Alternative prophylaxis/disinfection in aquaculture - Adaptable stress induced by peracetic acid at low concentration and its application strategy in RAS. <i>Aquaculture</i> , 2017, 474, 82-85.	1.7	20

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91	Retinol-binding protein as a biomarker to assess endocrine-disrupting compounds in the environment. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 676-683.	1.9	19
92	The Antiestrogens Tamoxifen and Fulvestrant Abolish Estrogenic Impacts of 17 $\beta$ -ethinylestradiol on Male Calling Behavior of <i>Xenopus laevis</i> . <i>PLoS ONE</i> , 2012, 7, e44715.	1.1	19
93	Profitability of multi-loop aquaponics: Year-long production data, economic scenarios and a comprehensive model case. <i>Aquaculture Research</i> , 2020, 51, 2711-2724.	0.9	19
94	Aqueous leaf extracts display endocrine activities in vitro and disrupt sexual differentiation of male <i>Xenopus laevis</i> tadpoles in vivo. <i>General and Comparative Endocrinology</i> , 2010, 168, 245-255.	0.8	18
95	Study of Biological Action of Light on Fish. <i>Journal of Light and Visual Environment</i> , 2013, 37, 194-204.	0.2	18
96	A Single Transcriptome of a Green Toad ( <i>Bufo viridis</i> ) Yields Candidate Genes for Sex Determination and -Differentiation and Non-Anonymous Population Genetic Markers. <i>PLoS ONE</i> , 2016, 11, e0156419.	1.1	18
97	Endocrine disruption by environmental gestagens in amphibians – A short review supported by new in vitro data using gonads of <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2017, 181, 74-82.	4.2	18
98	Efficient and economical way of operating a recirculation aquaculture system in an aquaponics farm. <i>Aquaculture, Economics and Management</i> , 2017, 21, 470-486.	2.3	18
99	Regulation of estrogen receptors in primary cultured hepatocytes of the amphibian <i>Xenopus laevis</i> as estrogenic biomarker and its application in environmental monitoring. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2005, 141, 384-392.	1.3	17
100	Fulvic acid accelerates hatching and stimulates antioxidative protection and the innate immune response in zebrafish larvae. <i>Science of the Total Environment</i> , 2021, 796, 148780.	3.9	16
101	Does Atrazine Affect Larval Development and Sexual Differentiation of South African Clawed Frogs?. <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 437-440.	1.8	15
102	Up-regulation of gonadotropin mRNA-expression at the onset of gametogenesis in the roach ( <i>Rutilus rutilus</i> ) and <i>Xenopus laevis</i> . <i>General and Comparative Endocrinology</i> , 2012, 178, 529-538.	0.8	15
103	Novel Concepts for Novel Entities: Updating Ecotoxicology for a Sustainable Anthropocene. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4680-4682.	4.6	15
104	Fish hepatic glutathione-S-transferase activity is affected by the cestode parasites <i>Schistocephalus solidus</i> and <i>Ligula intestinalis</i> : evidence from field and laboratory studies. <i>Parasitology</i> , 2011, 138, 939-944.	0.7	14
105	mRNA expression of antioxidant and biotransformation enzymes in zebrafish ( <i>Danio rerio</i> ) embryos after exposure to the tricyclic antidepressant amitriptyline. <i>Chemosphere</i> , 2019, 217, 516-521.	4.2	14
106	Screening of multiple hormonal activities in water and sediment from the river Nile, Egypt, using in vitro bioassay and gonadal histology. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 317.	1.3	13
107	The synthetic gestagen levonorgestrel directly affects gene expression in thyroid and pituitary glands of <i>Xenopus laevis</i> tadpoles. <i>Aquatic Toxicology</i> , 2016, 177, 63-73.	1.9	13
108	Chronic exposure to the $\beta$ -blocker metoprolol reduces growth and alters gene expression of gonadotropins and vitellogenin in Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 271-279.	2.9	13

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109	Inhibition of gametogenesis by the cestode <i>Ligula intestinalis</i> in roach ( <i>Rutilus rutilus</i> ) is attenuated under laboratory conditions. <i>Parasitology</i> , 2011, 138, 648-659.	0.7	12
110	17 $\beta$ -Ethinylestradiol can disrupt hemoglobin catabolism in amphibians. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 171, 34-40.	1.3	12
111	Impaired gonadal and somatic development corroborate vulnerability differences to the synthetic estrogen ethinylestradiol among deeply diverged anuran lineages. <i>Aquatic Toxicology</i> , 2016, 177, 503-514.	1.9	12
112	Site Resource Inventories – a Missing Link in the Circular City's Information Flow. <i>Advances in Geosciences</i> , 0, 54, 23-32.	12.0	12
113	Oxygen consumption in recirculating nutrient film technique in aquaponics. <i>Scientia Horticulturae</i> , 2019, 255, 281-291.	1.7	11
114	Potash mining effluents and ion imbalances cause transient osmoregulatory stress, affect gill integrity and elevate chronically plasma sulfate levels in adult common roach, <i>Rutilus rutilus</i> . <i>Environmental Pollution</i> , 2019, 249, 181-190.	3.7	11
115	Misbalance of thyroid hormones after two weeks of exposure to artificial light at night in Eurasian perch <i>Perca fluviatilis</i> . , 2021, 9, coaa124.		11
116	Fish Feeds in Aquaponics and Beyond: A Novel Concept to Evaluate Protein Sources in Diets for Circular Multitrophic Food Production Systems. <i>Sustainability</i> , 2022, 14, 4064.	1.6	11
117	Angiotensin II binding sites in frog kidney and adrenal. <i>Peptides</i> , 1992, 13, 349-354.	1.2	10
118	GH and IGF-I induction by passive immunisation of rainbow trout <i>Oncorhynchus mykiss</i> (Walbaum) using a somatostatin-14 antibody. <i>Aquaculture</i> , 2011, 316, 99-103.	1.7	9
119	Sex Chromosome Conservation, <i>DMRT1</i> ; Phylogeny and Gonad Morphology in Diploid Palearctic Green Toads ( <i>Bufo viridis</i> )		
120	Impacts of the synthetic androgen Trenbolone on gonad differentiation and development – comparisons between three deeply diverged anuran families. <i>Scientific Reports</i> , 2019, 9, 9623.	1.6	9
121	Causal Relations of Upscaled Urban Aquaponics and the Food-Water-Energy Nexus – A Berlin Case Study. <i>Water (Switzerland)</i> , 2021, 13, 2029.	1.2	9
122	Progestogens cause immunosuppression of stimulated carp ( <i>Cyprinus carpio</i> L.) leukocytes in vitro. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 16-24.	1.3	8
123	A duplicated copy of <i>id2b</i> is an unusual sex-determining candidate gene on the Y chromosome of arapaima ( <i>Arapaima gigas</i> ). <i>Scientific Reports</i> , 2021, 11, 21544.	1.6	8
124	Effects of BPA in Snails: Oehlmann et al. <i>Respond. Environmental Health Perspectives</i> , 2006, 114, A341-A342.	2.8	7
125	The distribution of interrenal stimulating activity in the brain of <i>Xenopus laevis</i> . <i>General and Comparative Endocrinology</i> , 1986, 63, 117-124.	0.8	5
126	Characterization of Corticosteroid Receptors in Two Fish Species, Euryhaline Tilapia and Stenohaline Carpa. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 602-603.	1.8	5



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127	Impact of microcystin containing diets on physiological performance of Nile tilapia ( <i>Oreochromis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	5
128	Growth enhancement of rainbow trout ( <i>Oncorhynchus mykiss</i> ) by passive immunization against somatostatin-14. <i>Aquaculture International</i> , 2016, 24, 11-21.	1.1	5
129	Innate immunity, oxidative stress and body indices of Eurasian perch <i>Perca fluviatilis</i> after two weeks of exposure to artificial light at night. <i>Journal of Fish Biology</i> , 2021, 99, 118-130.	0.7	5
130	Teratogenic Effects of Chronic Treatment with Corticosterone on Tadpoles of <i>Xenopus laevis</i> . <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 454-456.	1.8	4
131	Potash mining effluents and ion imbalances cause transient stress in adult common roach, <i>Rutilus rutilus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 733-741.	2.9	4
132	Fate or independency: is batch-specific larval performance determined by egg traits? A case study in farmed pikeperch ( <i>Sander lucioperca</i> ). <i>Aquaculture International</i> , 2019, 27, 957-969.	1.1	4
133	Administration of host-derived probiotics does not affect utilization of soybean meal enriched diets in juvenile turbot ( <i>Scophthalmus maximus</i> ). <i>Journal of Applied Ichthyology</i> , 2019, 35, 1004.	0.3	3
134	Ion-rich potash mining effluents affect sperm motility parameters of European perch, <i>Perca fluviatilis</i> , and impair early development of the common roach, <i>Rutilus rutilus</i> . <i>Science of the Total Environment</i> , 2021, 752, 141938.	3.9	3
135	Steroid exposure during larval development of <i>Xenopus laevis</i> affects mRNA expression of the reproductive pituitary-gonadal axis in a sex- and stage-dependent manner. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 160, 1-8.	1.3	2
136	The potential of VKORC1 polymorphisms in Mustelidae for evolving anticoagulant resistance through selection along the food chain. <i>PLoS ONE</i> , 2019, 14, e0221706.	1.1	2
137	The Control of the Teleost (Carp) Adrenal by the Autonomous Nervous System. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 275-278.	1.8	1
138	Potash mining effluents induce moderate effects on histopathological and physiological endpoints of adult zebrafish ( <i>Danio rerio</i> ). <i>Science of the Total Environment</i> , 2019, 694, 133471.	3.9	1
139	Nitrogen recovery in a decoupled aquaponic system with lamellar settler and trickling biofilter: implications for system management. <i>Aquaculture International</i> , 2022, 30, 2043-2058.	1.1	1
140	Endocrine Disrupting Effects in Fish Induced by Parasites. <i>Integrated Environmental Assessment and Management</i> , 2009, 5, 354.	1.6	0