

Thomas Braunbeck

List of Publications by Year in descending order

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163
papers

8,701
citations

38742

50
h-index

51608

86
g-index

173
all docs

173
docs citations

173
times ranked

7980
citing authors

#	ARTICLE	IF	CITATIONS
1	Zebrafish embryos as an alternative to animal experiments – A commentary on the definition of the onset of protected life stages in animal welfare regulations. <i>Reproductive Toxicology</i> , 2012, 33, 128-132.	2.9	491
2	Transfer of benzo[<i>a</i>]pyrene from microplastics to <i>Artemia</i> nauplii and further to zebrafish via a trophic food web experiment: CYP1A induction and visual tracking of persistent organic pollutants. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1656-1666.	4.3	450
3	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 375-392.	11.4	346
4	The fish embryo toxicity test as an animal alternative method in hazard and risk assessment and scientific research. <i>Aquatic Toxicology</i> , 2010, 97, 79-87.	4.0	320
5	Adverse outcome pathways: opportunities, limitations and open questions. <i>Archives of Toxicology</i> , 2017, 91, 3477-3505.	4.2	282
6	Towards an alternative for the acute fish LC(50) test in chemical assessment: the fish embryo toxicity test goes multi-species – an update. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2005, 22, 87-102.	1.5	225
7	A new sediment contact assay to assess particle-bound pollutants using zebrafish (<i>Danio rerio</i>) embryos. <i>Journal of Soils and Sediments</i> , 2003, 3, 197-207.	3.0	195
8	Microplastic accumulation patterns and transfer of benzo[<i>a</i>]pyrene to adult zebrafish (<i>Danio rerio</i>) gills and zebrafish embryos. <i>Environmental Pollution</i> , 2018, 235, 918-930.	7.5	194
9	The use of Fish Cells in Ecotoxicology: The Report and Recommendations of ECVAM Workshop 47. <i>ATLA Alternatives To Laboratory Animals</i> , 2003, 31, 317-351.	1.0	192
10	OECD validation study to assess intra- and inter-laboratory reproducibility of the zebrafish embryo toxicity test for acute aquatic toxicity testing. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 69, 496-511.	2.7	192
11	Zebrafish (<i>Danio rerio</i>) embryos as a model for testing proteratogens. <i>Toxicology</i> , 2011, 281, 25-36.	4.2	178
12	The fish embryo test (FET): origin, applications, and future. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16247-16261.	5.3	174
13	A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 67, 506-530.	2.7	139
14	Dechlorination as a tool to improve the fish embryo toxicity test (FET) with the zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2015, 22, 91-98.	2.6	128
15	Cytotoxicity of settling particulate matter and sediments of the Neckar River (Germany) during a winter flood. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 528-534.	4.3	119
16	Ecotoxicological Assessment of Sediment, Suspended Matter and Water Samples in the Upper Danube River. A pilot study in search for the causes for the decline of fish catches (12 pp). <i>Environmental Science and Pollution Research</i> , 2006, 13, 308-319.	5.3	116
17	Effects of 17 α -ethinylestradiol on the expression of three estrogen-responsive genes and cellular ultrastructure of liver and testes in male zebrafish. <i>Aquatic Toxicology</i> , 2003, 62, 85-103.	4.0	113
18	A NOVEL CONTACT ASSAY FOR TESTING GENOTOXICITY OF CHEMICALS AND WHOLE SEDIMENTS IN ZEBRAFISH EMBRYOS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2097.	4.3	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.	4.3	106
20	Developmental effects of coumarin and the anticoagulant coumarin derivative warfarin on zebrafish (<i>Danio rerio</i>) embryos. <i>Reproductive Toxicology</i> , 2012, 33, 133-141.	2.9	99
21	Activities and identification of aryl hydrocarbon receptor agonists in sediments from the Danube river. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 2009-2019.	3.7	89
22	Thyroid Histopathology Assessments for the Amphibian Metamorphosis Assay to Detect Thyroid-active Substances. <i>Toxicologic Pathology</i> , 2009, 37, 415-424.	1.8	89
23	DNA damage induced by genotoxicants in zebrafish (<i>Danio rerio</i>) embryos after contact exposure to freeze-dried sediment and sediment extracts from Laguna Lake (The Philippines) as measured by the comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 650, 1-14.	1.7	88
24	Changes in toxicity and Ah receptor agonist activity of suspended particulate matter during flood events at the rivers Neckar and Rhine â€“ a mass balance approach using in vitro methods and chemical analysis. <i>Environmental Science and Pollution Research</i> , 2008, 15, 536-553.	5.3	86
25	Species-specific reaction of liver ultrastructure in zebrafish (<i>Brachydanio rerio</i>) and trout (<i>Salmo</i>) Tj ETQq1 1 0.784314 rgBT /Overlock I and <i>Toxicology</i> , 1990, 19, 405-418.	4.1	83
26	Biological and chemical determination of dioxin-like compounds in sediments by means of a sediment triad approach in the catchment area of the river Neckar. <i>Ecotoxicology</i> , 2002, 11, 323-336.	2.4	82
27	Induction of biotransformation in the liver of eel (<i>Anguilla anguilla</i> L.) by sublethal exposure to dinitro-o-cresol: An ultrastructural and biochemical study. <i>Ecotoxicology and Environmental Safety</i> , 1991, 21, 109-127.	6.0	79
28	Spatio-temporal development of CYP1 activity in early life-stages of zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2010, 100, 38-50.	4.0	77
29	Hepatic steatosis in zebra fish (<i>Brachydanio rerio</i>) induced by long-term exposure to Î³-hexachlorocyclohexane. <i>Ecotoxicology and Environmental Safety</i> , 1990, 19, 355-374.	6.0	76
30	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.	3.1	76
31	Size does matter â€“ Determination of the critical molecular size for the uptake of chemicals across the chorion of zebrafish (<i>Danio rerio</i>) embryos. <i>Aquatic Toxicology</i> , 2017, 185, 1-10.	4.0	76
32	Comparison of in vitro and in situ genotoxicity in the Danube River by means of the comet assay and the micronucleus test. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 700, 11-17.	1.7	75
33	Comparative genotoxicity testing of rhine river sediment extracts using the comet assay with permanent fish cell lines (rtg-2 and rtl-w1) and the ames test*. <i>Journal of Soils and Sediments</i> , 2004, 4, 84-94.	3.0	69
34	Combined in Situ and in Vitro Assessment of the Estrogenic Activity of Sewage and Surface Water Samples. <i>Toxicological Sciences</i> , 2003, 75, 57-65.	3.1	68
35	Sediment genotoxicity in the TietÃª River (SÃ£o Paulo, Brazil): In vitro comet assay versus in situ micronucleus assay studies. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1842-1848.	6.0	68
36	The maturity index as a tool to facilitate the interpretation of changes in vitellogenin production and sex ratio in the Fish Sexual Development Test. <i>Aquatic Toxicology</i> , 2013, 128-129, 34-42.	4.0	67

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37	Adverse effects in the fish embryo acute toxicity (FET) test: a catalogue of unspecific morphological changes versus more specific effects in zebrafish (<i>Danio rerio</i>) embryos. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	66
38	Reversibility of endocrine disruption in zebrafish (<i>Danio rerio</i>) after discontinued exposure to the estrogen 17 α -ethinylestradiol. <i>Toxicology and Applied Pharmacology</i> , 2014, 278, 230-237.	2.8	64
39	On the relevance of genotoxicity for fish populations II: genotoxic effects in zebrafish (<i>Danio rerio</i>) exposed to 4-nitroquinoline-1-oxide in a complete life-cycle test. <i>Aquatic Toxicology</i> , 2004, 68, 27-37.	4.0	63
40	Endocrine Disruption of Water and Sediment Extracts in a Non-Radioactive Dot Blot/RNase Protection-Assay Using Isolated Hepatocytes of Rainbow Trout (14 pp). Deficiencies between bioanalytical effectiveness and chemically determined concentrations and how to explain them. <i>Environmental Science and Pollution Research</i> , 2005, 12, 347-360.	5.3	63
41	Quantitative assessment of the embryotoxic potential of NSO-heterocyclic compounds using zebrafish (<i>Danio rerio</i>). <i>Reproductive Toxicology</i> , 2012, 33, 224-232.	2.9	60
42	Hepatocellular adaptation to extreme nutritional conditions in ide, <i>Leuciscus idus melanotus</i> L. (Cyprinidae). A morphofunctional analysis. <i>Fish Physiology and Biochemistry</i> , 1988, 5, 79-97.	2.3	59
43	The endocrine disrupting potential of sediments from the Upper Danube River (Germany) as revealed by in vitro bioassays and chemical analysis. <i>Environmental Science and Pollution Research</i> , 2011, 18, 446-460.	5.3	59
44	Changes in toxicity and genotoxicity of industrial sewage sludge samples containing nitro- and amino-aromatic compounds following treatment in bioreactors with different oxygen regimes. <i>Environmental Science and Pollution Research</i> , 2004, 11, 313-320.	5.3	58
45	Differentiation between bioavailable and total hazard potential of sediment-induced DNA fragmentation as measured by the comet assay with Zebrafish embryos. <i>Journal of Soils and Sediments</i> , 2007, 7, 377-387.	3.0	55
46	Decline in Reproductive Success, Sex Reversal, and Developmental Alterations in Japanese Medaka (<i>Oryzias latipes</i>) after Continuous Exposure to Octylphenol. <i>Ecotoxicology and Environmental Safety</i> , 2002, 51, 187-196.	6.0	53
47	Ultrastructure of hepatocytes in golden ide (<i>Leuciscus idus melanotus</i> L.; Cyprinidae: Teleostei) during thermal adaptation. <i>Anatomy and Embryology</i> , 1987, 175, 303-313.	1.5	52
48	Title is missing!. <i>Hydrobiologia</i> , 2001, 8, 161-178.	0.9	52
49	Application of a sediment quality triad and different statistical approaches (Hasse diagrams and fuzzy) Tj ETQq1 1 0,784314 2,4 52		
50	Membrane Dialysis Extraction (MDE): A Novel Approach for Extracting Toxicologically Relevant Hydrophobic Organic Compounds from Soils and Sediments for Assessment in Biotests. <i>Journal of Soils and Sediments</i> , 2006, 6, 20-29.	3.0	50
51	Alterations along the Hypothalamic-Pituitary-Thyroid Axis of the Zebrafish (<i>Danio rerio</i>) after Exposure to Propylthiouracil. <i>Journal of Thyroid Research</i> , 2011, 2011, 1-17.	1.3	50
52	Zebrafish teratogenicity test with metabolic activation (mDarT): Effects of phase I activation of acetaminophen on zebrafish <i>Danio rerio</i> embryos. <i>Toxicology</i> , 2010, 275, 36-49.	4.2	49
53	Toxicity, dioxin-like activities, and endocrine effects of DDT metabolites DDA, DDMU, DDMS, and DDCN. <i>Environmental Science and Pollution Research</i> , 2012, 19, 403-415.	5.3	49
54	Evaluation of bis(tri-n-butyltin)oxide (TBTO) neurotoxicity in rainbow trout (<i>Oncorhynchus mykiss</i>). I. Behaviour, weight increase, and tin content. <i>Aquatic Toxicology</i> , 1994, 30, 189-197.	4.0	48

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55	A novel statistical approach for the evaluation of comet assay data. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 652, 38-45.	1.7	48
56	Analysis of tail coiling activity of zebrafish (<i>Danio rerio</i>) embryos allows for the differentiation of neurotoxicants with different modes of action. Ecotoxicology and Environmental Safety, 2019, 186, 109754.	6.0	48
57	Histological, enzymatic and chemical analyses of the potential effects of differently sized microplastic particles upon long-term ingestion in zebrafish (<i>Danio rerio</i>). Marine Pollution Bulletin, 2020, 153, 111022.	5.0	48
58	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
59	Some heterocyclic aromatic compounds are Ah receptor agonists in the DR-CALUX assay and the EROD assay with RTL-W1 cells. Environmental Science and Pollution Research, 2011, 18, 1297-1304.	5.3	44
60	Changes in toxicity and dioxin-like activity of sediments from the Tietã River (SÃo Paulo, Brazil). Ecotoxicology and Environmental Safety, 2010, 73, 550-558.	6.0	43
61	Effects of the anti-thyroidal compound potassium-perchlorate on the thyroid system of the zebrafish. Aquatic Toxicology, 2012, 109, 47-58.	4.0	42
62	PAH toxicity at aqueous solubility in the fish embryo test with <i>Danio rerio</i> using passive dosing. Chemosphere, 2014, 112, 77-84.	8.2	42
63	Cytological alterations in fish hepatocytes following in vivo and in vitro sublethal exposure to xenobiotics – structural biomarkers of environmental contamination. , 1998, , 61-140.		40
64	Persistence of endocrine disruption in zebrafish (<i>Danio rerio</i>) after discontinued exposure to the androgen 17Î²-trenbolone. Environmental Toxicology and Chemistry, 2014, 33, 2488-2496.	4.3	40
65	Oxygen requirements of zebrafish (<i>Danio rerio</i>) embryos in embryo toxicity tests with environmental samples. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 318-327.	2.6	38
66	Impact of contaminants bound to suspended particulate matter in the context of flood events. Journal of Soils and Sediments, 2010, 10, 1174-1185.	3.0	36
67	Assessment of urban stream sediment pollutants entering estuaries using chemical analysis and multiple bioassays to characterise biological activities. Science of the Total Environment, 2017, 593-594, 498-507.	8.0	36
68	Acetylcholinesterase in zebrafish embryos as a tool to identify neurotoxic effects in sediments. Environmental Science and Pollution Research, 2015, 22, 16329-16339.	5.3	35
69	In vivo EROD assays with the zebrafish (<i>Danio rerio</i>) as rapid screening tools for the detection of dioxin-like activity. Science of the Total Environment, 2017, 590-591, 269-280.	8.0	35
70	Cytological alterations in isolated hepatocytes from rainbow trout (<i>Oncorhynchus mykiss</i>) exposed in vitro to 4-chloroaniline. Aquatic Toxicology, 1993, 25, 83-110.	4.0	34
71	Sediment-contact fish embryo toxicity assay with <i>Danio rerio</i> to assess particle-bound pollutants in the Tietã River Basin (SÃo Paulo, Brazil). Ecotoxicology and Environmental Safety, 2011, 74, 1951-1959.	6.0	33
72	Genotoxicity of platinum in embryos of zebrafish (<i>Danio rerio</i>) and ramshorn snail (<i>Marisa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 62 Td (8.0	33

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73	Choosy grazers: Influence of plant traits on forage selection by three cattle breeds. <i>Functional Ecology</i> , 2020, 34, 980-992.	3.6	33
74	Low-dose effects and biphasic effect profiles: Is trenbolone a genotoxicant?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 723, 152-157.	1.7	32
75	A combined DNA-microarray and mechanism-specific toxicity approach with zebrafish embryos to investigate the pollution of river sediments. <i>Reproductive Toxicology</i> , 2012, 33, 245-253.	2.9	31
76	Prochloraz causes irreversible masculinization of zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2015, 22, 16417-16422.	5.3	31
77	An International Perspective on the Tools and Concepts for Effluent Toxicity Assessments in the Context of Animal Alternatives: Reduction in Vertebrate Use. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2745-2757.	4.3	31
78	Norfluoxetine Is the Only Metabolite of Fluoxetine in Zebrafish (<i>Danio rerio</i>) Embryos That Accumulates at Environmentally Relevant Exposure Scenarios. <i>Environmental Science & Technology</i> , 2020, 54, 4200-4209.	10.0	31
79	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.	2.6	30
80	Tox-Box: securing drops of life - an enhanced health-related approach for risk assessment of drinking water in Germany. <i>Environmental Sciences Europe</i> , 2013, 25, .	5.5	30
81	Contribution of Priority PAHs and POPs to Ah Receptor-Mediated Activities in Sediment Samples from the River Elbe Estuary, Germany. <i>PLoS ONE</i> , 2013, 8, e75596.	2.5	30
82	Modulation of DNA Repair Systems in Blind Cavefish during Evolution in Constant Darkness. <i>Current Biology</i> , 2018, 28, 3229-3243.e4.	3.9	30
83	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. <i>Archives of Toxicology</i> , 2020, 94, 2435-2461.	4.2	30
84	Time-course of coiling activity in zebrafish (<i>Danio rerio</i>) embryos exposed to ethanol as an endpoint for developmental neurotoxicity (DNT) – Hidden potential and underestimated challenges. <i>Chemosphere</i> , 2019, 235, 12-20.	8.2	29
85	Investigation on soil contamination at recently inundated and non-inundated sites. <i>Journal of Soils and Sediments</i> , 2011, 11, 82-92.	3.0	28
86	Multi-Laboratory Hazard Assessment of Contaminated Microplastic Particles by Means of Enhanced Fish Embryo Test With the Zebrafish (<i>Danio rerio</i>). <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	28
87	Transformation Products of Fluoxetine Formed by Photodegradation in Water and Biodegradation in Zebrafish Embryos (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2019, 53, 7400-7409.	10.0	28
88	The tox is in the detail: technical fundamentals for designing, performing, and interpreting experiments on toxicity of microplastics and associated substances. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22292-22318.	5.3	28
89	Sublethal Effects of Prolonged Exposure to Disulfoton in Rainbow Trout (<i>Oncorhynchus mykiss</i>): Cytological Alterations in the Liver by a Potent Acetylcholine Esterase Inhibitor. <i>Ecotoxicology and Environmental Safety</i> , 1996, 34, 43-55.	6.0	27
90	Grazing Allometry: Anatomy, Movement, and Foraging Behavior of Three Cattle Breeds of Different Productivity. <i>Frontiers in Veterinary Science</i> , 2020, 7, 494.	2.2	27

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91	Evaluation of bis(tri-n-butyltin)oxide (TBTO) neurotoxicity in rainbow trout (<i>Oncorhynchus mykiss</i>). II. Ultrastructural diagnosis and tin localization by energy filtering transmission electron microscopy (EFTEM). <i>Aquatic Toxicology</i> , 1994, 30, 199-213.	4.0	26
92	DanToxâ€”a novel joint research project using zebrafish (<i>Danio rerio</i>) to identify specific toxicity and molecular modes of action of sediment-bound pollutants. <i>Journal of Soils and Sediments</i> , 2010, 10, 714-717.	3.0	26
93	The impact of extraction methodologies on the toxicity of sediments in the zebrafish (<i>Danio rerio</i>) embryo test. <i>Journal of Soils and Sediments</i> , 2011, 11, 352-363.	3.0	26
94	Does perfluorooctane sulfonate (PFOS) act as chemosensitizer in zebrafish embryos?. <i>Science of the Total Environment</i> , 2016, 548-549, 317-324.	8.0	26
95	Influence of Highland and production-oriented cattle breeds on pasture vegetation: A pairwise assessment across broad environmental gradients. <i>Agriculture, Ecosystems and Environment</i> , 2019, 284, 106585.	5.3	26
96	Assessment of fish health status in the Upper Danube River by investigation of ultrastructural alterations in the liver of barbel <i>Barbus barbus</i> . <i>Diseases of Aquatic Organisms</i> , 2010, 88, 235-248.	1.0	26
97	Establishing Causality between Pollution and Effects at Different Levels of Biological Organization: The VALIMAR Project. <i>Human and Ecological Risk Assessment (HERA)</i> , 2003, 9, 171-194.	3.4	24
98	Cartilage and bone malformations in the head of zebrafish (<i>Danio rerio</i>) embryos following exposure to disulfiram and acetic acid hydrazide. <i>Toxicology and Applied Pharmacology</i> , 2013, 268, 221-231.	2.8	24
99	Do environmentally relevant concentrations of fluoxetine and citalopram impair stress-related behavior in zebrafish (<i>Danio rerio</i>) embryos?. <i>Chemosphere</i> , 2020, 261, 127753.	8.2	24
100	Preexposure temperature acclimation and diet as modifying factors for the tolerance of golden ide (<i>Leuciscus idus melanotus</i>) to short-term exposure to 4-chloroaniline. <i>Ecotoxicology and Environmental Safety</i> , 1992, 24, 72-94.	6.0	23
101	(Eco)toxicological effects of 2,4,7,9-tetramethyl-5-decyne-4,7-diol (TMDD) in zebrafish (<i>Danio rerio</i>) and permanent fish cell cultures. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8233-8241.	5.3	21
102	Modification and quantification of in vivo EROD live-imaging with zebrafish (<i>Danio rerio</i>) embryos to detect both induction and inhibition of CYP1A. <i>Science of the Total Environment</i> , 2018, 615, 330-347.	8.0	21
103	In search of a comprehensible set of endpoints for the routine monitoring of neurotoxicity in vertebrates: sensory perception and nerve transmission in zebrafish (<i>Danio rerio</i>) embryos. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4066-4084.	5.3	21
104	Title is missing!. <i>Hydrobiologia</i> , 2001, 8, 299-318.	0.9	20
105	Bioavailability of microplastic-bound pollutants in vitro: The role of adsorbate lipophilicity and surfactants. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 221, 59-67.	2.6	20
106	Cytochrome P450-dependent biotransformation capacities in embryonic, juvenile and adult stages of zebrafish (<i>Danio rerio</i>)â€”a state-of-the-art review. <i>Archives of Toxicology</i> , 2021, 95, 2299-2334.	4.2	20
107	A fuzzy logic-classification of sediments based on data from in vitro biotests. <i>Journal of Soils and Sediments</i> , 2009, 9, 168-179.	3.0	19
108	Environmental effect assessment for sexual endocrine-disrupting chemicals: Fish testing strategy. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 653-662.	2.9	19

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109	Comparative live-imaging of in vivo EROD (ethoxyresorufin-O-deethylase) induction in zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT /Ome extracts. <i>Science of the Total Environment</i> , 2018, 621, 827-838.	8.0	19
110	Comparison of zebrafish (<i>Danio rerio</i>) and fathead minnow (<i>Pimephales promelas</i>) as test species in the Fish Sexual Development Test (FSDT). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 407-415.	2.6	18
111	Does hepatotoxicity interfere with endocrine activity in zebrafish (<i>Danio rerio</i>)?. <i>Chemosphere</i> , 2020, 238, 124589.	8.2	18
112	An optimized method to assess ototoxic effects in the lateral line of zebrafish (<i>Danio rerio</i>) embryos. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 193, 18-29.	2.6	17
113	Microplastics and sorbed contaminants – Trophic exposure in fish sensitive early life stages. <i>Marine Environmental Research</i> , 2020, 161, 105126.	2.5	17
114	Limitations and uncertainties of acute fish toxicity assessments can be reduced using alternative methods. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 20-32.	1.5	17
115	Interacting effects of diet and environmental temperature on biochemical parameters in the liver of <i>Leuciscus idus melanotus</i> (Cyprinidae: Teleostei). <i>Fish Physiology and Biochemistry</i> , 1988, 5, 9-19.	2.3	16
116	Isolation and cultivation of teleost hepatocytes. , 2000, , 49-71.		16
117	Evaluation of the hazard potentials of river suspended particulate matter and floodplain soils in the Rhine basin using chemical analysis and in vitro bioassays. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14606-14620.	5.3	16
118	Neurotoxic effects in zebrafish embryos by valproic acid and nine of its analogues: the fish-mouse connection?. <i>Archives of Toxicology</i> , 2021, 95, 641-657.	4.2	16
119	Reproductive and genotoxic effects in zebrafish after chronic exposure to methyl methanesulfonate in a multigeneration study. <i>Ecotoxicology</i> , 2013, 22, 825-837.	2.4	15
120	Improving the in vitro ethoxyresorufin-O-deethylase (EROD) assay with RTL-W1 by metabolic normalization and use of 1 ² -naphthoflavone as the reference substance. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 164, 27-34.	2.6	15
121	Intrafollicular thyroid hormone staining in whole-mount zebrafish (<i>Danio rerio</i>) embryos for the detection of thyroid hormone synthesis disruption. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 997-1010.	2.3	15
122	Microplastic-associated trophic transfer of benzo(k)fluoranthene in a limnic food web: Effects in two freshwater invertebrates (<i>Daphnia magna</i> , <i>Chironomus riparius</i>) and zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 237, 108849.	2.6	14
123	CYTOTOXICITY OF SETTLING PARTICULATE MATTER AND SEDIMENTS OF THE NECKAR RIVER (GERMANY) DURING A WINTER FLOOD. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 528.	4.3	14
124	Integrate mechanistic evidence from new approach methodologies (NAMs) into a read-across assessment to characterise trends in shared mode of action. <i>Toxicology in Vitro</i> , 2022, 79, 105269.	2.4	14
125	Impacts of Different Exposure Scenarios on Transcript Abundances in <i>Danio rerio</i> Embryos when Investigating the Toxicological Burden of Riverine Sediments. <i>PLoS ONE</i> , 2014, 9, e106523.	2.5	13
126	Inducibility of cytochrome P450-mediated 7-methoxycoumarin-O-demethylase activity in zebrafish (<i>Danio rerio</i>) embryos. <i>Aquatic Toxicology</i> , 2020, 225, 105540.	4.0	13

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127	Development of a generic zebrafish embryo PBPK model and application to the developmental toxicity assessment of valproic acid analogs. <i>Reproductive Toxicology</i> , 2020, 93, 219-229.	2.9	13
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