

Thomas Braunbeck

List of Publications by Year in descending order

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163
papers

8,701
citations

38720

50
h-index

51562

86
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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.	1.3	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.	2.2	450
3	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 375-392.	5.8	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.	1.9	320
5	Adverse outcome pathways: opportunities, limitations and open questions. <i>Archives of Toxicology</i> , 2017, 91, 3477-3505.	1.9	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.	0.9	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.	1.5	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.	3.7	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.	0.7	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.	1.3	192
11	Zebrafish (<i>Danio rerio</i>) embryos as a model for testing proteratogens. <i>Toxicology</i> , 2011, 281, 25-36.	2.0	178
12	The fish embryo test (FET): origin, applications, and future. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16247-16261.	2.7	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.	1.3	139
14	Dechlorination as a tool to improve the fish embryo toxicity test (FET) with the zebrafish (<i>Danio</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 91-98.	1.3	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.	2.2	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.	2.7	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.	1.9	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.	2.2	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	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.	1.3	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.	1.9	89
22	Thyroid Histopathology Assessments for the Amphibian Metamorphosis Assay to Detect Thyroid-active Substances. <i>Toxicologic Pathology</i> , 2009, 37, 415-424.	0.9	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.	0.9	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.	2.7	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.	2.1	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.	1.1	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.	2.9	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.	1.9	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.	2.9	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.	1.4	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.	1.9	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.	0.9	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.	1.5	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.	1.4	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.	2.9	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.	1.9	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, .	2.6	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.	1.3	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.	1.9	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.	2.7	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.	1.3	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.	0.9	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.	2.7	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.	2.7	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.	1.5	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.	2.9	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.	1.0	52
49	Application of a sediment quality triad and different statistical approaches (Hasse diagrams and fuzzy) Tj ETQq1 1 0.784314 1.1 52	1.1	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.	1.5	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.	0.5	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.	2.0	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.	2.7	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.	1.9	48

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55	A novel statistical approach for the evaluation of comet assay data. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 652, 38-45.	0.9	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. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109754.	2.9	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>). <i>Marine Pollution Bulletin</i> , 2020, 153, 111022.	2.3	48
58	Adaptive changes of liver composition and structure in golden ide during winter acclimatization. <i>The Journal of Experimental Zoology</i> , 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. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1297-1304.	2.7	44
60	Changes in toxicity and dioxin-like activity of sediments from the Tiet� River (S�o Paulo, Brazil). <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 550-558.	2.9	43
61	Effects of the anti-thyroidal compound potassium-perchlorate on the thyroid system of the zebrafish. <i>Aquatic Toxicology</i> , 2012, 109, 47-58.	1.9	42
62	PAH toxicity at aqueous solubility in the fish embryo test with <i>Danio rerio</i> using passive dosing. <i>Chemosphere</i> , 2014, 112, 77-84.	4.2	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 17�trenbolone. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2488-2496.	2.2	40
65	Oxygen requirements of zebrafish (<i>Danio rerio</i>) embryos in embryo toxicity tests with environmental samples. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 153, 318-327.	1.3	38
66	Impact of contaminants bound to suspended particulate matter in the context of flood events. <i>Journal of Soils and Sediments</i> , 2010, 10, 1174-1185.	1.5	36
67	Assessment of urban stream sediment pollutants entering estuaries using chemical analysis and multiple bioassays to characterise biological activities. <i>Science of the Total Environment</i> , 2017, 593-594, 498-507.	3.9	36
68	Acetylcholinesterase in zebrafish embryos as a tool to identify neurotoxic effects in sediments. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16329-16339.	2.7	35
69	In vivo EROD assays with the zebrafish (<i>Danio rerio</i>) as rapid screening tools for the detection of dioxin-like activity. <i>Science of the Total Environment</i> , 2017, 590-591, 269-280.	3.9	35
70	Cytological alterations in isolated hepatocytes from rainbow trout (<i>Oncorhynchus mykiss</i>) exposed in vitro to 4-chloroaniline. <i>Aquatic Toxicology</i> , 1993, 25, 83-110.	1.9	34
71	Sediment-contact fish embryo toxicity assay with <i>Danio rerio</i> to assess particle-bound pollutants in the Tiet� River Basin (S�o Paulo, Brazil). <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1951-1959.	2.9	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 (3.9	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.	1.7	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.	0.9	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.	1.3	31
76	Prochloraz causes irreversible masculinization of zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2015, 22, 16417-16422.	2.7	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.	2.2	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.	4.6	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.	1.2	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, .	2.6	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.	1.1	30
82	Modulation of DNA Repair Systems in Blind Cavefish during Evolution in Constant Darkness. <i>Current Biology</i> , 2018, 28, 3229-3243.e4.	1.8	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.	1.9	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.	4.2	29
85	Investigation on soil contamination at recently inundated and non-inundated sites. <i>Journal of Soils and Sediments</i> , 2011, 11, 82-92.	1.5	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, .	1.5	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.	4.6	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.	2.7	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.	2.9	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.	0.9	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.	1.9	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.	1.5	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.	1.5	26
94	Does perfluorooctane sulfonate (PFOS) act as chemosensitizer in zebrafish embryos?. <i>Science of the Total Environment</i> , 2016, 548-549, 317-324.	3.9	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.	2.5	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.	0.5	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.	1.7	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.	1.3	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.	4.2	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.	2.9	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.	2.7	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.	3.9	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.	2.7	21
104	Title is missing!. <i>Hydrobiologia</i> , 2001, 8, 299-318.	1.0	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.	1.3	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.	1.9	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.	1.5	19
108	Environmental effect assessment for sexual endocrine-disrupting chemicals: Fish testing strategy. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 653-662.	1.6	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.	3.9	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.	1.3	18
111	Does hepatotoxicity interfere with endocrine activity in zebrafish (<i>Danio rerio</i>)?. <i>Chemosphere</i> , 2020, 238, 124589.	4.2	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.	1.3	17
113	Microplastics and sorbed contaminants – Trophic exposure in fish sensitive early life stages. <i>Marine Environmental Research</i> , 2020, 161, 105126.	1.1	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.	0.9	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.	0.9	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.	2.7	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.	1.9	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.	1.1	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.	1.3	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.	0.9	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.	1.3	14
123	Cytotoxicity of settling particulate matter and sediments of the Neckar River (Germany) during a winter flood. , 2000, 19, 528.		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.	1.1	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.	1.1	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.	1.9	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.	1.3	13
128	The role of the heart-body and of the extravasal tissue in disposal of foreign cells in two polychaete annelids. <i>Tissue and Cell</i> , 1984, 16, 557-563.	1.0	11
129	Assessment of cytotoxicity, genotoxicity and 7-ethoxyresorufin-O-deethylase (EROD) induction in sediment extracts from New Zealand urban estuaries. <i>Ecotoxicology</i> , 2017, 26, 211-226.	1.1	11
130	Effect of pH on the toxicity of fumonisins towards the RTL-W1 cell line and zebrafish (<i>Danio rerio</i>) embryos. <i>Toxicology Letters</i> , 2019, 313, 101-107.	0.4	11
131	Microplastic particles reduce EROD-induction specifically by highly lipophilic compounds in RTL-W1 cells. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 110041.	2.9	11
132	Assessment of Genotoxicity in Gonads, Liver and Gills of Zebrafish (<i>Danio rerio</i>) by Use of the Comet Assay and Micronucleus Test after In Vivo Exposure to Methyl Methanesulfonate. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 89-95.	1.3	10
133	Beyond the behavioural phenotype: Uncovering mechanistic foundations in aquatic eco-neurotoxicology. <i>Science of the Total Environment</i> , 2022, 829, 154584.	3.9	10
134	Title is missing!. <i>Hydrobiologia</i> , 2001, 8, 337-354.	1.0	9
135	Ultrastructural Alterations in Thyrocytes of Zebrafish (<i>Danio rerio</i>) after Exposure to Propylthiouracil and Perchlorate. <i>Toxicologic Pathology</i> , 2017, 45, 649-662.	0.9	9
136	Microplastic testing in vitro: Realistic loading of pollutants, surfactant-free solid surface-dosing and bioanalytical detection using a sensitivity-optimized EROD assay. <i>Toxicology in Vitro</i> , 2019, 54, 194-201.	1.1	9
137	Specificity of time- and dose-dependent morphological endpoints in the fish embryo acute toxicity (FET) test for substances with diverse modes of action: the search for a "fingerprint". <i>Environmental Science and Pollution Research</i> , 2022, 29, 16176-16192.	2.7	9
138	Biomarker responses in zebrafish (<i>Danio rerio</i>) following long-term exposure to microplastic-associated chlorpyrifos and benzo(k)fluoranthene. <i>Aquatic Toxicology</i> , 2022, 245, 106120.	1.9	9
139	The onset of active gill respiration in post-embryonic zebrafish (<i>Danio rerio</i>) larvae triggers an increased sensitivity to neurotoxic compounds. <i>Aquatic Toxicology</i> , 2022, 249, 106240.	1.9	9
140	Zelle und Umwelt" Wie wirken sich Umweltgifte auf Zellen aus?. <i>Biologie in Unserer Zeit</i> , 1989, 19, 127-132.	0.3	8
141	Comparison of different exhaustive and biomimetic extraction techniques for chemical and biological analysis of polycyclic aromatic compounds in river sediments. <i>Journal of Soils and Sediments</i> , 2012, 12, 1419-1434.	1.5	8
142	Rethinking the relevance of microplastics as vector for anthropogenic contaminants: Adsorption of toxicants to microplastics during exposure in a highly polluted stream - Analytical quantification and assessment of toxic effects in zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2022, 816, 151640.	3.9	8
143	Ruthenium complexes show promise when submitted to toxicological safety tests using alternative methodologies. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113262.	2.6	7
144	Light and Scanning Electron Microscopic Cytopathology of 3,5-Dichlorophenol in the Permanent Fish Cell Line RTG-2. <i>Ecotoxicology and Environmental Safety</i> , 1998, 41, 298-306.	2.9	6

#	ARTICLE	IF	CITATIONS
145	In vivo fluorescence-based characterization of cytochrome P450 activity during embryonic development of zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110330.	2.9	6
146	Zebrafish embryos as a model in general toxicology. <i>Toxicology Letters</i> , 2009, 189, S48-S49.	0.4	5
147	Genetically engineered zebrafish liver (ZF-L) cells as an in vitro source for zebrafish acetylcholinesterase (zfAChE) for the use in AChE inhibition assays. <i>Toxicology in Vitro</i> , 2018, 52, 52-59.	1.1	5
148	Assessment of cytotoxicity and AhR-mediated toxicity in tropical fresh water sediments under the influence of an oil refinery. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12566-12575.	2.7	4
149	Development of a capillary electrophoresis-mass spectrometry method for the analysis of metformin and its transformation product guanylurea in biota. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4985-4996.	1.9	4
150	ESPR Subject Area 2 'Aquatic Chemistry and Biology, Health Issues'. <i>Environmental Science and Pollution Research</i> , 2007, 14, 75-84.	2.7	3
151	Application of human and rat liver microsomes in teratogenicity testing using zebrafish <i>Danio rerio</i> embryos (mDarT). <i>Toxicology Letters</i> , 2008, 180, S96-S97.	0.4	3
152	Gene-TEQ—a standardized comparative assessment of effects in the comet assay using genotoxicity equivalents. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1325.	2.1	3
153	Editorial: Special Issue "Effect-related evaluation of anthropogenic trace substances" concepts for genotoxicity, neurotoxicity and endocrine effects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3945-3950.	2.7	3
154	Multistate models of developmental toxicity: Application to valproic acid-induced malformations in the zebrafish embryo. <i>Toxicology and Applied Pharmacology</i> , 2021, 414, 115424.	1.3	3
155	Pre-validation of choriogenin H transgenic medaka eleutheroembryos as a quantitative estrogenic activity test method. <i>Analytical Biochemistry</i> , 2021, 629, 114311.	1.1	3
156	Postgraduale Weiterbildung mit dem zertifizierten Abschluss Fachtoxikologin/e GDCh/SETAC. <i>Environmental Sciences Europe</i> , 2005, 17, 129-130.	0.1	2
157	Teratogenic effects of metabolically activated trimethadione in zebrafish embryos (<i>Danio rerio</i>). <i>Toxicology Letters</i> , 2009, 189, S143.	0.4	2
158	Extractable organic matter of Standard Reference Material 1649a influences immunological response induced by pathogen-associated molecular patterns. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1257-1267.	2.7	2
159	The German postgraduate degree program in ecotoxicology (SETAC GLB and GDCh): a success story. <i>Environmental Sciences Europe</i> , 2016, 28, 19.	2.6	1
160	Obituary for Tamara Grummt. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	1
161	Zebrafish embryo neonicotinoid developmental neurotoxicity in the FET test and behavioral assays. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2022, , .	0.9	1
162	A new sediment contact assay to assess particle-bound pollutants using zebrafish (<i>danio rerio</i>) embryos. <i>Journal of Soils and Sediments</i> , 2004, 4, 94-94.	1.5	0

#	ARTICLE	IF	CITATIONS
163	Insights on Ecotoxicological Effects of Microplastics in Marine Ecosystems: The EPHEMARE Project. Springer Water, 2020, , 12-19.	0.2	0