

Thomas Braunbeck

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162
papers

6,742
citations

45
h-index

76
g-index

173
ext. papers

7,680
ext. citations

4.8
avg, IF

5.82
L-index

#	Paper	IF	Citations
162	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	5.1	1
161	Beyond the behavioural phenotype: Uncovering mechanistic foundations in aquatic eco-neurotoxicology.. <i>Science of the Total Environment</i> , 2022 , 154584	10.2	1
160	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	4.3	9
159	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> , 2021 , 816, 151640	10.2	1
158	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> , 2021 , 1	5.1	2
157	A read-across case study on chronic toxicity of branched carboxylic acids (1): Integration of mechanistic evidence from new approach methodologies (NAMs) to explore a common mode of action. <i>Toxicology in Vitro</i> , 2021 , 79, 105269	3.6	2
156	Multistate models of developmental toxicity: Application to valproic acid-induced malformations in the zebrafish embryo. <i>Toxicology and Applied Pharmacology</i> , 2021 , 414, 115424	4.6	2
155	Ruthenium complexes show promise when submitted to toxicological safety tests using alternative methodologies. <i>European Journal of Medicinal Chemistry</i> , 2021 , 216, 113262	6.8	3
154	Cytochrome P450-dependent biotransformation capacities in embryonic, juvenile and adult stages of zebrafish (<i>Danio rerio</i>)-a state-of-the-art review. <i>Archives of Toxicology</i> , 2021 , 95, 2299-2334	5.8	3
153	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	5.8	6
152	Pre-validation of choriogenin H transgenic medaka eleutheroembryos as a quantitative estrogenic activity test method. <i>Analytical Biochemistry</i> , 2021 , 629, 114311	3.1	0
151	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	19
150	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	4.4	0
149	Norfluoxetine Is the Only Metabolite of Fluoxetine in Zebrafish () Embryos That Accumulates at Environmentally Relevant Exposure Scenarios. <i>Environmental Science & Technology</i> , 2020 , 54, 4200-4209	10.3	19
148	The EU-ToxRisk method documentation, data EU processing and chemical testing pipeline for the regulatory use of new approach methods. <i>Archives of Toxicology</i> , 2020 , 94, 2435-2461	5.8	12
147	Inducibility of cytochrome P450-mediated 7-methoxycoumarin-O-demethylase activity in zebrafish (<i>Danio rerio</i>) embryos. <i>Aquatic Toxicology</i> , 2020 , 225, 105540	5.1	4
146	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	7	3

145	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	6.7	29
144	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	3.4	7
143	Choosy grazers: Influence of plant traits on forage selection by three cattle breeds. <i>Functional Ecology</i> , 2020 , 34, 980-992	5.6	11
142	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	5.1	17
141	Insights on Ecotoxicological Effects of Microplastics in Marine Ecosystems: The EPHEMARE Project. <i>Springer Water</i> , 2020 , 12-19	0.3	
140	Microplastic particles reduce EROD-induction specifically by highly lipophilic compounds in RTL-W1 cells. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 110041	7	3
139	Microplastics and sorbed contaminants - Trophic exposure in fish sensitive early life stages. <i>Marine Environmental Research</i> , 2020 , 161, 105126	3.3	9
138	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	3.2	3
137	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	8.4	9
136	Grazing Allometry: Anatomy, Movement, and Foraging Behavior of Three Cattle Breeds of Different Productivity. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 494	3.1	9
135	Does hepatotoxicity interfere with endocrine activity in zebrafish (<i>Danio rerio</i>)?. <i>Chemosphere</i> , 2020 , 238, 124589	8.4	7
134	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,	4.8	14
133	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	8.4	17
132	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	10.3	15
131	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	3.2	15
130	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	5.7	14
129	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	4.4	4
128	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, 109734	7.4	26

127	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 375-392	14.6	221
126	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	3.6	7
125	Microplastic accumulation patterns and transfer of benzo[a]pyrene to adult zebrafish (<i>Danio rerio</i>) gills and zebrafish embryos. <i>Environmental Pollution</i> , 2018 , 235, 918-930	9.3	122
124	Comparative live-imaging of in vivo EROD (ethoxyresorufin-O-deethylase) induction in zebrafish (<i>Danio rerio</i>) and fathead minnow (<i>Pimephales promelas</i>) embryos after exposure to PAHs and river sediment extracts. <i>Science of the Total Environment</i> , 2018 , 621, 827-838	10.2	14
123	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	2.7	7
122	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	10.2	15
121	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	5.1	11
120	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	3.6	4
119	Modulation of DNA Repair Systems in Blind Cavefish during Evolution in Constant Darkness. <i>Current Biology</i> , 2018 , 28, 3229-3243.e4	6.3	17
118	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	3.8	18
117	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	2.9	8
116	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	10.2	29
115	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	10.2	32
114	Size does matter - 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	5.1	45
113	Adverse outcome pathways: opportunities, limitations and open questions. <i>Archives of Toxicology</i> , 2017 , 91, 3477-3505	5.8	174
112	Ultrastructural Alterations in Thyrocytes of Zebrafish (<i>Danio rerio</i>) after Exposure to Propylthiouracil and Perchlorate. <i>Toxicologic Pathology</i> , 2017 , 45, 649-662	2.1	2
111	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	3.2	13
110	Transfer of benzo[a]pyrene from microplastics to <i>Artemia nauplii</i> 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, 1656-66	3.8	324

109	Does perfluorooctane sulfonate (PFOS) act as chemosensitizer in zebrafish embryos?. <i>Science of the Total Environment</i> , 2016 , 548-549, 317-324	10.2	20
108	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, 14606-20	5.1	15
107	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, 12566-75	5.1	3
106	The fish embryo test (FET): origin, applications, and future. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16247-61	5.1	136
105	Prochloraz causes irreversible masculinization of zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16417-22	5.1	19
104	Acetylcholinesterase in zebrafish embryos as a tool to identify neurotoxic effects in sediments. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16329-39	5.1	27
103	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	8.4	35
102	Improving the in vitro ethoxyresorufin-O-deethylase (EROD) assay with RTL-W1 by metabolic normalization and use of 6-hapthoflavone as the reference substance. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014 , 164, 27-34	3.2	8
101	Persistence of endocrine disruption in zebrafish (<i>Danio rerio</i>) after discontinued exposure to the androgen 17β-trenbolone. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2488-96	3.8	35
100	(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, 8233-41	5.1	14
99	Reversibility of endocrine disruption in zebrafish (<i>Danio rerio</i>) after discontinued exposure to the estrogen 17β-ethinylestradiol. <i>Toxicology and Applied Pharmacology</i> , 2014 , 278, 230-7	4.6	55
98	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, 496-514	3.4	138
97	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	3.7	13
96	Reproductive and genotoxic effects in zebrafish after chronic exposure to methyl methanesulfonate in a multigeneration study. <i>Ecotoxicology</i> , 2013 , 22, 825-37	2.9	15
95	A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013 , 67, 506-30	3.4	121
94	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	24
93	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, 221-31	4.6	19
92	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	5.1	56

91	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	2.7	10
90	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	3.7	27
89	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, 128-32	3.4	377
88	Developmental effects of coumarin and the anticoagulant coumarin derivative warfarin on zebrafish (<i>Danio rerio</i>) embryos. <i>Reproductive Toxicology</i> , 2012 , 33, 133-41	3.4	81
87	Quantitative assessment of the embryotoxic potential of NSO-heterocyclic compounds using zebrafish (<i>Danio rerio</i>). <i>Reproductive Toxicology</i> , 2012 , 33, 224-32	3.4	50
86	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, 245-53	3.4	29
85	Toxicity, dioxin-like activities, and endocrine effects of DDT metabolites--DDA, DDMU, DDMS, and DDCN. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 403-15	5.1	45
84	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	3.4	7
83	Gene-TEQ--a standardized comparative assessment of effects in the comet assay using genotoxicity equivalents. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 1325-34		3
82	Effects of the anti-thyroidal compound potassium-perchlorate on the thyroid system of the zebrafish. <i>Aquatic Toxicology</i> , 2012 , 109, 47-58	5.1	32
81	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, 407-15	3.2	11
80	Sediment-contact fish embryo toxicity assay with <i>Danio rerio</i> to assess particle-bound pollutants in the Tiet River Basin (Sõ Paulo, Brazil). <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1951-9	7	30
79	Low-dose effects and biphasic effect profiles: is trenbolone a genotoxicant?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011 , 723, 152-7	3	27
78	Genotoxicity of platinum in embryos of zebrafish (<i>Danio rerio</i>) and ramshorn snail (<i>Marisa cornuarietis</i>). <i>Science of the Total Environment</i> , 2011 , 409, 2114-9	10.2	33
77	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, 446-60	5.1	54
76	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, 1297-304	5.1	38
75	Investigation on soil contamination at recently inundated and non-inundated sites. <i>Journal of Soils and Sediments</i> , 2011 , 11, 82-92	3.4	26
74	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	3.4	24

73	Dechlorination as a tool to improve the fish embryo toxicity test (FET) with the zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011 , 153, 91-8	3.2	97
72	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, 318-27	3.2	29
71	Zebrafish (<i>Danio rerio</i>) embryos as a model for testing proteratogens. <i>Toxicology</i> , 2011 , 281, 25-36	4.4	141
70	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, 376243	2.6	33
69	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, 11-7	3	69
68	Changes in toxicity and dioxin-like activity of sediments from the Tiet River (Sõ Paulo, Brazil). <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 550-8	7	41
67	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	5.1	274
66	Spatio-temporal development of CYP1 activity in early life-stages of zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2010 , 100, 38-50	5.1	69
65	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, 1257-67	5.1	2
64	DanTox 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	3.4	22
63	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	3.4	34
62	Environmental effect assessment for sexual endocrine-disrupting chemicals: Fish testing strategy. <i>Integrated Environmental Assessment and Management</i> , 2010 , 6, 653-62	2.5	16
61	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	4.4	42
60	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, 235-48	1.7	24
59	Thyroid histopathology assessments for the amphibian metamorphosis assay to detect thyroid-active substances. <i>Toxicologic Pathology</i> , 2009 , 37, 415-24	2.1	67
58	A fuzzy logic-classification of sediments based on data from in vitro biotests. <i>Journal of Soils and Sediments</i> , 2009 , 9, 168-179	3.4	18
57	Über die Notwendigkeit der wirkungsorientierten Analytik in einer umfassenden Wasserforschung. <i>Environmental Sciences Europe</i> , 2009 , 21, 235-237		1
56	Sediment genotoxicity in the Tiet River (Sõ Paulo, Brazil): in vitro comet assay versus in situ micronucleus assay studies. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1842-8	7	57

55	Zebrafish embryos as a model in general toxicology. <i>Toxicology Letters</i> , 2009 , 189, S48-S49	4.4	2
54	Teratogenic effects of metabolically activated trimethadione in zebrafish embryos (<i>Danio rerio</i>). <i>Toxicology Letters</i> , 2009 , 189, S143	4.4	2
53	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	4.4	3
52	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	3	80
51	A novel statistical approach for the evaluation of comet assay data. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 652, 38-45	3	46
50	Activities and identification of aryl hydrocarbon receptor agonists in sediments from the Danube river. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 2009-19	4.4	83
49	Changes in toxicity and Ah receptor agonist activity of suspended particulate matter during flood events at the rivers Neckar and Rhine - a mass balance approach using in vitro methods and chemical analysis. <i>Environmental Science and Pollution Research</i> , 2008 , 15, 536-53	5.1	80
48	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	3.4	49
47	Weight-of-Evidence-Studie zur Sedimentbelastung des Tietl-River in Brasilien. <i>Environmental Sciences Europe</i> , 2006 , 18, 70		2
46	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, 157-70	4.7	27
45	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, 337-48	4.4	65
44	A novel contact assay for testing genotoxicity of chemicals and whole sediments in zebrafish embryos. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 2097-106	3.8	98
43	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. <i>Environmental Science and Pollution Research</i> , 2006 , 13, 308-19	5.1	100
42	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	3.4	45
41	Endocrine disruption of water and sediment extracts in a non-radioactive dot blot/RNase protection-assay using isolated hepatocytes of rainbow trout. <i>Environmental Science and Pollution Research</i> , 2005 , 12, 347-60	5.1	52
40	Description and initial evaluation of a <i>Xenopus</i> metamorphosis assay for detection of thyroid system-disrupting activities of environmental compounds. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 653-64	3.8	95
39	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	4.3	212
38	Podiumsdiskussion 'New Blood in Ecotoxicology' <i>Environmental Sciences Europe</i> , 2004 , 16, 149-150		1

37	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, 313-20	5.1	47
36	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	3.4	58
35	A new sediment contact assay to assess particle-bound pollutants using zebrafish (danio rerio) embryos. <i>Journal of Soils and Sediments</i> , 2004 , 4, 94-94	3.4	
34	On the relevance of genotoxicity for fish populations II: genotoxic effects in zebrafish (Danio rerio) exposed to 4-nitroquinoline-1-oxide in a complete life-cycle test. <i>Aquatic Toxicology</i> , 2004 , 68, 27-37	5.1	61
33	The use of fish cells in ecotoxicology. The report and recommendations of ECVAM Workshop 47. <i>ATLA Alternatives To Laboratory Animals</i> , 2003 , 31, 317-51	2.1	176
32	A new sediment contact assay to assess particle-bound pollutants using zebrafish (danio rerio) embryos. <i>Journal of Soils and Sediments</i> , 2003 , 3, 197-207	3.4	178
31	DDT und Metaboliten in Sedimenten Berliner Gewässer. <i>Environmental Sciences Europe</i> , 2003 , 15, 71-77		6
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