

Henner Hollert

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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.

394
papers

12,235
citations

60
h-index

91
g-index

433
ext. papers

14,376
ext. citations

6.5
avg, IF

6.49
L-index

#	Paper	IF	Citations
394	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
393	Quantitative investigation of the mechanisms of microplastics and nanoplastics toward zebrafish larvae locomotor activity. <i>Science of the Total Environment</i> , 2017 , 584-585, 1022-1031	10.2	288
392	Dioxin- and POP-contaminated sites--contemporary and future relevance and challenges: overview on background, aims and scope of the series. <i>Environmental Science and Pollution Research</i> , 2008 , 15, 363-93	5.1	285
391	Effect-directed analysis supporting monitoring of aquatic environments--An in-depth overview. <i>Science of the Total Environment</i> , 2016 , 544, 1073-118	10.2	222
390	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
389	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. <i>Science of the Total Environment</i> , 2015 , 512-513, 540-551	10.2	198
388	Towards the review of the European Union Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. <i>Science of the Total Environment</i> , 2017 , 576, 720-737	10.2	196
387	Enhanced uptake of BPA in the presence of nanoplastics can lead to neurotoxic effects in adult zebrafish. <i>Science of the Total Environment</i> , 2017 , 609, 1312-1321	10.2	193
386	Detection of SARS-CoV-2 in raw and treated wastewater in Germany - Suitability for COVID-19 surveillance and potential transmission risks. <i>Science of the Total Environment</i> , 2021 , 751, 141750	10.2	180
385	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
384	Should the Sediment Quality Triad Become a Tetrad, a Pentad, or Possibly even a Hexad?. <i>Journal of Soils and Sediments</i> , 2006 , 6, 4-8	3.4	157
383	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , 2015 , 27,		151
382	The SOLUTIONS project: challenges and responses for present and future emerging pollutants in land and water resources management. <i>Science of the Total Environment</i> , 2015 , 503-504, 22-31	10.2	149
381	Development of a bioanalytical test battery for water quality monitoring: Fingerprinting identified micropollutants and their contribution to effects in surface water. <i>Water Research</i> , 2017 , 123, 734-750	12.5	129
380	Linking in Vitro Effects and Detected Organic Micropollutants in Surface Water Using Mixture-Toxicity Modeling. <i>Environmental Science & Technology</i> , 2015 , 49, 14614-24	10.3	128
379	Effect-based trigger values for in vitro and in vivo bioassays performed on surface water extracts supporting the environmental quality standards (EQS) of the European Water Framework Directive. <i>Science of the Total Environment</i> , 2018 , 628-629, 748-765	10.2	124
378	Effect-directed analysis of mutagens and ethoxyresorufin-o-deethylase inducers in aquatic sediments. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2445-58	3.8	122

377	Effects of virgin microplastics on goldfish (<i>Carassius auratus</i>). <i>Chemosphere</i> , 2018 , 213, 323-332	8.4	114
376	Optimization of screening-level risk assessment and priority selection of emerging pollutants - The case of pharmaceuticals in European surface waters. <i>Environment International</i> , 2019 , 128, 1-10	12.9	112
375	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	3.8	109
374	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. <i>Science of the Total Environment</i> , 2017 , 601-602, 1849-1868	10.2	106
373	Electrochemical oxidation of fluoroquinolone antibiotics: Mechanism, residual antibacterial activity and toxicity change. <i>Water Research</i> , 2016 , 102, 52-62	12.5	102
372	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
371	A guidance for the assessment and evaluation of sediment quality a German Approach based on ecotoxicological and chemical measurements. <i>Journal of Soils and Sediments</i> , 2002 , 2, 37-42	3.4	99
370	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
369	Ecotoxicological effect characterisation of widely used organic UV filters. <i>Environmental Pollution</i> , 2012 , 163, 84-90	9.3	97
368	An ecotoxicological view on neurotoxicity assessment. <i>Environmental Sciences Europe</i> , 2018 , 30, 46	5	97
367	Future water quality monitoring: improving the balance between exposure and toxicity assessments of real-world pollutant mixtures. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	96
366	Leaching of endocrine disrupting chemicals from marine microplastics and mesoplastics under common life stress conditions. <i>Environment International</i> , 2019 , 130, 104938	12.9	95
365	Ecological risk of nonylphenol in China surface waters based on reproductive fitness. <i>Environmental Science & Technology</i> , 2014 , 48, 1256-62	10.3	93
364	Relative differences in aryl hydrocarbon receptor-mediated response for 18 polybrominated and mixed halogenated dibenzo-p-dioxins and -furans in cell lines from four different species. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 2448-54	3.8	89
363	Pollutants in Plastics within the North Pacific Subtropical Gyre. <i>Environmental Science & Technology</i> , 2018 , 52, 446-456	10.3	85
362	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
361	Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	82
360	Reviewing the relevance of dioxin and PCB sources for food from animal origin and the need for their inventory, control and management. <i>Environmental Sciences Europe</i> , 2018 , 30, 42	5	81

359	Mixture effects in samples of multiple contaminants - An inter-laboratory study with manifold bioassays. <i>Environment International</i> , 2018 , 114, 95-106	12.9	80
358	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
357	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
356	Ecological risk assessment of fifty pharmaceuticals and personal care products (PPCPs) in Chinese surface waters: A proposed multiple-level system. <i>Environment International</i> , 2020 , 136, 105454	12.9	77
355	In vitro characterization of the effectiveness of enhanced sewage treatment processes to eliminate endocrine activity of hospital effluents. <i>Water Research</i> , 2013 , 47, 1545-57	12.5	76
354	Solution by dilution?--A review on the pollution status of the Yangtze River. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 6934-71	5.1	76
353	Assessing contamination levels of Laguna Lake sediments (Philippines) using a contact assay with zebrafish (<i>Danio rerio</i>) embryos. <i>Science of the Total Environment</i> , 2005 , 347, 254-71	10.2	76
352	N-cyano sulfoximines: COX inhibition, anticancer activity, cellular toxicity, and mutagenicity. <i>ChemMedChem</i> , 2013 , 8, 217-20	3.7	75
351	Marine microplastics bound dioxin-like chemicals: Model explanation and risk assessment. <i>Journal of Hazardous Materials</i> , 2019 , 364, 82-90	12.8	72
350	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
349	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
348	In vitro bioassays for detecting dioxin-like activity--application potentials and limits of detection, a review. <i>Science of the Total Environment</i> , 2014 , 487, 37-48	10.2	67
347	Measurement of vitellogenin-mRNA expression in primary cultures of rainbow trout hepatocytes in a non-radioactive dot blot/RNase protection-assay. <i>Science of the Total Environment</i> , 1999 , 233, 109-22	10.2	67
346	Anthropogenic Trace Compounds (ATCs) in aquatic habitats - research needs on sources, fate, detection and toxicity to ensure timely elimination strategies and risk management. <i>Environment International</i> , 2015 , 79, 85-105	12.9	66
345	Variability of sediment-contact tests in freshwater sediments with low-level anthropogenic contamination--determination of toxicity thresholds. <i>Environmental Pollution</i> , 2010 , 158, 2999-3010	9.3	66
344	Toxicity of 10 organic micropollutants and their mixture: Implications for aquatic risk assessment. <i>Science of the Total Environment</i> , 2019 , 666, 1273-1282	10.2	65
343	Endocrine disruptor screening: regulatory perspectives and needs. <i>Environmental Sciences Europe</i> , 2011 , 23,		64
342	Differences in toxicity of anionic and cationic PAMAM and PPI dendrimers in zebrafish embryos and cancer cell lines. <i>Toxicology and Applied Pharmacology</i> , 2016 , 305, 83-92	4.6	63

341	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, 323-36	2.9	62
340	Bioassay battery interlaboratory investigation of emerging contaminants in spiked water extracts - Towards the implementation of bioanalytical monitoring tools in water quality assessment and monitoring. <i>Water Research</i> , 2016 , 104, 473-484	12.5	62
339	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 225-235	14.6	61
338	International round-robin study on the Ames fluctuation test. <i>Environmental and Molecular Mutagenesis</i> , 2012 , 53, 185-97	3.2	61
337	Heterocyclic compounds: Toxic effects using algae, daphnids, and the Salmonella/microsome test taking methodical quantitative aspects into account. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1590	3.8	61
336	The OECD validation program of the H295R steroidogenesis assay: Phase 3. Final inter-laboratory validation study. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 503-15	5.1	60
335	The versatile, changing, and advancing roles of fish in sediment toxicity assessment – a review. <i>Journal of Soils and Sediments</i> , 2011 , 11, 141-173	3.4	58
334	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
333	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
332	Diuron and diazinon alter the behavior of zebrafish embryos and larvae in the absence of acute toxicity. <i>Chemosphere</i> , 2017 , 180, 65-76	8.4	56
331	Heterocyclic aromatic hydrocarbons show estrogenic activity upon metabolization in a recombinant transactivation assay. <i>Environmental Science & Technology</i> , 2014 , 48, 5892-901	10.3	55
330	In search for the ecological and toxicological relevance of sediment re-mobilisation and transport during flood events. <i>Journal of Soils and Sediments</i> , 2009 , 9, 1-5	3.4	55
329	The OECD Validation Program of the H295R Steroidogenesis Assay for the Identification of In Vitro Inhibitors and Inducers of Testosterone and Estradiol Production. Phase 2: Inter-Laboratory Pre-Validation Studies (8 pp). <i>Environmental Science and Pollution Research</i> , 2007 , 14 Suppl 1, 23-30	5.1	55
328	Towards a holistic and solution-oriented monitoring of chemical status of European water bodies: how to support the EU strategy for a non-toxic environment?. <i>Environmental Sciences Europe</i> , 2018 , 30, 33	5	55
327	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
326	Effect-based tools for monitoring estrogenic mixtures: Evaluation of five in vitro bioassays. <i>Water Research</i> , 2017 , 110, 378-388	12.5	52
325	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
324	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

323	Toxicological and ecotoxicological potencies of biofuels used for the transport sector – literature review. <i>Energy and Environmental Science</i> , 2012 , 5, 7381	35.4	50
322	Comparison of sewage sludge toxicity to plants and invertebrates in three different soils. <i>Chemosphere</i> , 2011 , 83, 502-9	8.4	50
321	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
320	Estrogenic activity in Finnish municipal wastewater effluents. <i>Water Research</i> , 2016 , 88, 740-749	12.5	48
319	Future pesticide risk assessment: narrowing the gap between intention and reality. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	47
318	Mechanism-specific and whole-organism ecotoxicity of mono-rhamnolipids. <i>Science of the Total Environment</i> , 2016 , 548-549, 155-163	10.2	47
317	Anthropogenic pollutants affect ecosystem services of freshwater sediments: the need for a triad plus x approach. <i>Journal of Soils and Sediments</i> , 2011 , 11, 1099-1114	3.4	47
316	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
315	Identification of Unknown Antiandrogenic Compounds in Surface Waters by Effect-Directed Analysis (EDA) Using a Parallel Fractionation Approach. <i>Environmental Science & Technology</i> , 2018 , 52, 288-297	10.3	47
314	Enzymatic activity and gene expression changes in zebrafish embryos and larvae exposed to pesticides diazinon and diuron. <i>Aquatic Toxicology</i> , 2017 , 193, 187-200	5.1	46
313	Screening and risk management solutions for steroidal estrogens in surface and wastewater. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 343-358	14.6	46
312	A combined hydraulic and toxicological approach to assess re-suspended sediments during simulated flood events. Part I – multiple biomarkers in rainbow trout. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1347-1361	3.4	46
311	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
310	A novel contact assay for testing aryl hydrocarbon receptor (AhR)-mediated toxicity of chemicals and whole sediments in zebrafish (<i>Danio rerio</i>) embryos. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16305-18	5.1	45
309	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
308	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
307	The identification of readily bioavailable pollutants in Lake Shkodra/Skadar using semipermeable membrane devices (SPMDs), bioassays and chemical analysis. <i>Environmental Science and Pollution Research</i> , 2004 , 11, 240-53	5.1	43
306	Assessment of a novel device for onsite integrative large-volume solid phase extraction of water samples to enable a comprehensive chemical and effect-based analysis. <i>Science of the Total Environment</i> , 2017 , 581-582, 350-358	10.2	42

305	Silver nanoparticles in sewage sludge: Bioavailability of sulfidized silver to the terrestrial isopod <i>Porcellio scaber</i> . <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1606-1613	3.8	42
304	Developmental toxicity and endocrine disrupting potency of 4-azapyrene, benzo[b]fluorene and retene in the zebrafish <i>Danio rerio</i> . <i>Reproductive Toxicology</i> , 2012 , 33, 213-23	3.4	42
303	Sediment contact tests as a tool for the assessment of sediment quality in German waters. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 144-55	3.8	42
302	AhR agonist and genotoxicant bioavailability in a PAH-contaminated soil undergoing biological treatment. <i>Environmental Science and Pollution Research</i> , 2009 , 16, 521-30	5.1	42
301	High-sensitivity real-time analysis of nanoparticle toxicity in green fluorescent protein-expressing zebrafish. <i>Small</i> , 2013 , 9, 863-9	11	41
300	Changes in toxicity and dioxin-like activity of sediments from the Tiet River (Sã Paulo, Brazil). <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 550-8	7	41
299	Endocrine disrupting, mutagenic, and teratogenic effects of upper Danube River sediments using effect-directed analysis. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1053-62	3.8	39
298	Sensitivity of early life stages of white sturgeon, rainbow trout, and fathead minnow to copper. <i>Ecotoxicology</i> , 2013 , 22, 139-47	2.9	39
297	Sequential fractionation procedure for the identification of potentially cytochrome P4501A-inducing compounds. <i>Journal of Chromatography A</i> , 2003 , 986, 55-66	4.5	39
296	Life cycle of PCBs and contamination of the environment and of food products from animal origin. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 16325-16343	5.1	38
295	Nanoscale zero-valent iron flakes for groundwater treatment. <i>Environmental Earth Sciences</i> , 2014 , 72, 3339-3352	2.9	38
294	How flood events affect rainbow trout: evidence of a biomarker cascade in rainbow trout after exposure to PAH contaminated sediment suspensions. <i>Aquatic Toxicology</i> , 2013 , 128-129, 13-24	5.1	38
293	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
292	Reed beds receiving industrial sludge containing nitroaromatic compounds. Effects of outgoing water and bed material extracts in the umu-c genotoxicity assay, DR-CALUX assay and on early life stage development in zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2007 , 14, 202-11	5.1	38
291	Application of a sediment quality triad and different statistical approaches (Hasse diagrams and fuzzy logic) for the comparative evaluation of small streams. <i>Ecotoxicology</i> , 2002 , 11, 311-21	2.9	38
290	Effect-directed analysis of Ah receptor-mediated activities caused by PAHs in suspended particulate matter sampled in flood events. <i>Science of the Total Environment</i> , 2010 , 408, 3327-33	10.2	37
289	Measurement of genotoxicity in wastewater samples with the in vitro micronucleus test: results of a round-robin study in the context of standardisation according to ISO. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 649, 15-27	3	36
288	Microplastics Lead to Hyperactive Swimming Behaviour in Adult Zebrafish. <i>Aquatic Toxicology</i> , 2020 , 224, 105521	5.1	36

287	The value of zebrafish as an integrative model in effect-directed analysis - a review. <i>Environmental Sciences Europe</i> , 2015 , 27,	5	35
286	Yangtze Three Gorges Reservoir, China: A holistic assessment of organic pollution, mutagenic effects of sediments and genotoxic impacts on fish. <i>Journal of Environmental Sciences</i> , 2015 , 38, 63-82	6.4	35
285	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
284	Early life exposure to PCB126 results in delayed mortality and growth impairment in the zebrafish larvae. <i>Aquatic Toxicology</i> , 2015 , 169, 168-78	5.1	35
283	Fate of Ah receptor agonists during biological treatment of an industrial sludge containing explosives and pharmaceutical residues. <i>Environmental Science and Pollution Research</i> , 2004 , 11, 379-87	5.1	35
282	Phytoplankton community and chlorophyll a as trophic state indices of Lake Skadar (Montenegro, Balkan). <i>Environmental Science and Pollution Research</i> , 2005 , 12, 146-52	5.1	35
281	Effects of metal exposure on motor neuron development, neuromasts and the escape response of zebrafish embryos. <i>Neurotoxicology and Teratology</i> , 2015 , 50, 33-42	3.9	34
280	Time-dependent expression and activity of cytochrome P450 1s in early life-stages of the zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16319-28	5.1	34
279	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
278	Perfluorooctane sulfonate increases the genotoxicity of cyclophosphamide in the micronucleus assay with V79 cells. Further proof of alterations in cell membrane properties caused by PFOS. <i>Environmental Science and Pollution Research</i> , 2007 , 14, 85-7	5.1	34
277	Dynamic light-scattering measurement comparability of nanomaterial suspensions. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	33
276	A fish-passable barrier to stop the invasion of non-indigenous crayfish. <i>Biological Conservation</i> , 2013 , 159, 521-529	6.2	33
275	Toxicological and chemical insights into representative source and drinking water in eastern China. <i>Environmental Pollution</i> , 2018 , 233, 35-44	9.3	32
274	Effects of multiwalled carbon nanotubes and triclocarban on several eukaryotic cell lines: elucidating cytotoxicity, endocrine disruption, and reactive oxygen species generation. <i>Nanoscale Research Letters</i> , 2014 , 9, 396	5	32
273	Genotoxicity of heterocyclic PAHs in the micronucleus assay with the fish liver cell line RTL-W1. <i>PLoS ONE</i> , 2014 , 9, e85692	3.7	32
272	PAH metabolites, GST and EROD in European eel (<i>Anguilla anguilla</i>) as possible indicators for eel habitat quality in German rivers. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 2519-30	5.1	31
271	Application of a new sediment contact test with <i>Myriophyllum aquaticum</i> and of the aquatic Lemna test to assess the sediment quality of Lake Skadar. <i>Journal of Soils and Sediments</i> , 2007 , 7, 342-349	3.4	31
270	Determination of the CYP1A-inducing potential of single substances, mixtures and extracts of samples in the micro-EROD assay with H4IIE cells. <i>Nature Protocols</i> , 2015 , 10, 1728-41	18.8	30

269	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, 1951-9	7	30
268	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
267	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
266	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
265	The Role of Behavioral Ecotoxicology in Environmental Protection. <i>Environmental Science & Technology</i> , 2021 , 55, 5620-5628	10.3	28
264	Fipronil and two of its transformation products in water and European eel from the river Elbe. <i>Science of the Total Environment</i> , 2016 , 568, 171-179	10.2	27
263	Size matters--The phototoxicity of TiO ₂ nanomaterials. <i>Environmental Pollution</i> , 2016 , 208, 859-67	9.3	27
262	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
261	Comparison of six sewage effluents treated with different treatment technologies--population level responses in the harpacticoid copepod <i>Nitocra spinipes</i> . <i>Aquatic Toxicology</i> , 2010 , 96, 298-307	5.1	27
260	Cross-Species Extrapolation of Uptake and Disposition of Neutral Organic Chemicals in Fish Using a Multispecies Physiologically-Based Toxicokinetic Model Framework. <i>Environmental Science & Technology</i> , 2016 , 50, 1914-23	10.3	27
259	Longitudinal profile of the genotoxic potential of the River Danube on erythrocytes of wild common bleak (<i>Alburnus alburnus</i>) assessed using the comet and micronucleus assay. <i>Science of the Total Environment</i> , 2016 , 573, 1441-1449	10.2	27
258	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
257	Bacterial community structure analyses to assess pollution of water and sediments in the Lake Shkodra/Skadar, Balkan Peninsula. <i>Environmental Science and Pollution Research</i> , 2005 , 12, 361-8	5.1	26
256	The SeKT joint research project: definition of reference conditions, control sediments and toxicity thresholds for limnic sediment contact tests. <i>Environmental Science and Pollution Research</i> , 2005 , 12, 257-8	5.1	26
255	The impact of chemical pollution on the resilience of soils under multiple stresses: A conceptual framework for future research. <i>Science of the Total Environment</i> , 2016 , 568, 1076-1085	10.2	26
254	A sensitive biomarker for the detection of aquatic contamination based on behavioral assays using zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 133, 271-80	7	25
253	Physiologically-based toxicokinetic models help identifying the key factors affecting contaminant uptake during flood events. <i>Aquatic Toxicology</i> , 2014 , 152, 38-46	5.1	25
252	The risk of altering soil and sediment samples upon extract preparation for analytical and bio-analytical investigations--a review. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1975-85	4.4	25

251	Monitoring estrogenic activities of waste and surface waters using a novel in vivo zebrafish embryonic (EASZY) assay: Comparison with in vitro cell-based assays and determination of effect-based trigger values. <i>Environment International</i> , 2019 , 130, 104896	12.9	24
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57	Getting more out of the zebrafish light dark transition test.. <i>Chemosphere</i> , 2022 , 295, 133863	8.4	2
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52	Bioanalytical equivalents and relative potencies for predicting the biological effects of mixtures. <i>Science of the Total Environment</i> , 2021 , 763, 143030	10.2	2
51	Commercial preparations of pesticides exert higher toxicity and cause changes at subcellular level in earthworm <i>Eisenia andrei</i> . <i>Environmental Sciences Europe</i> , 2021 , 33,	5	2
50	Development and validation of a ready to use cryo-EROD assay for the standardized screening of dioxins and dioxin-like compounds in foodstuffs. <i>Food and Chemical Toxicology</i> , 2018 , 122, 206-214	4.7	2
49	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. <i>Environmental Sciences Europe</i> , 2022 , 34, 21	5	2
48	Two types of microplastics (polystyrene-HBCD and car tire abrasion) affect oxidative stress-related biomarkers in earthworm <i>Eisenia andrei</i> in a time-dependent manner.. <i>Environment International</i> , 2022 , 163, 107190	12.9	2
47	Fostering Water Treatment in Eutrophic Areas: Innovative Water Quality Monitoring, and Technologies Mitigating Taste & Odor Problems Demonstrated at Tai Hu. <i>Future City</i> , 2019 , 91-110	0.1	1
46	Growing Near Net Shape Components from Renewable Materials. <i>Procedia CIRP</i> , 2015 , 29, 609-614	1.8	1
45	Industrial sludge containing pharmaceutical residues and explosives alters inherent toxic properties when co-digested with oat and post-treated in reed beds. <i>Environmental Sciences Europe</i> , 2014 , 26,	5	1
44	Über die Notwendigkeit der wirkungsorientierten Analytik in einer umfassenden Wasserforschung. <i>Environmental Sciences Europe</i> , 2009 , 21, 235-237		1
43	DanTox in BMBF-Verbundprojekt zur Ermittlung spezifischer Toxizität und molekularer Wirkungsmechanismen sedimentgebundener Umweltschadstoffe mit dem Zebrafisch (<i>Danio rerio</i>). <i>Environmental Sciences Europe</i> , 2010 , 22, 94-98		1
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36	Effects of algae and fungicides on the fate of a sulfonylurea herbicide in a water-sediment system.. <i>Chemosphere</i> , 2021 , 290, 133234	8.4	1

35	Clozapine modulation of zebrafish swimming behavior and gene expression as a case study to investigate effects of atypical drugs on aquatic organisms.. <i>Science of the Total Environment</i> , 2021 , 152621	10.2	1
34	Extensive rain events have a more substantial impact than advanced effluent treatment on the endocrine-disrupting activity in an effluent-dominated small river. <i>Science of the Total Environment</i> , 2021 , 807, 150887	10.2	1
33	Olfactory toxicity in fish-Why we should care about it. <i>Integrated Environmental Assessment and Management</i> , 2016 , 12, 597-8	2.5	1
32	The 2015 Annual Meeting of SETAC German Language Branch in Zurich (7-10 September, 2015): Ecotoxicology and environmental chemistry-from research to application. <i>Environmental Sciences Europe</i> , 2016 , 28, 20	5	1
31	The Utility of Exposure and Effect-Based Analysis in the Ecotoxicological Assessment of Transformation Products. <i>ACS Symposium Series</i> , 2016 , 89-109	0.4	1
30	Assessment of cytotoxicity and AhR-mediated toxicity of sediments from water level fluctuation zone in the Three Gorges Reservoir, China. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2166-2173	3.4	1
29	In Situ Determination of Genotoxic Effects in Fish Erythrocytes Using Comet and Micronucleus Assays. <i>Methods in Pharmacology and Toxicology</i> , 2019 , 1	1.1	1
28	Identification of molecular toxicity pathways across early life-stages of zebrafish exposed to PCB126 using a whole transcriptomics approach. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111716	7	1
27	Progress in ecotoxicology, environmental chemistry and ecology. <i>Environmental Sciences Europe</i> , 2014 , 26, 23	5	0
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25	ELIXIR and Toxicology: a community in development. <i>F1000Research</i> , 2021 , 10, 1129	3.6	0
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23	Distribution and toxicity of persistent organic pollutants and methoxylated polybrominated diphenylethers in different tissues of the green turtle <i>Chelonia mydas</i> . <i>Environmental Pollution</i> , 2021 , 277, 116795	9.3	0
22	Is a liver comparable to a liver? A comparison of different rat-derived S9-fractions with a biotechnological animal-free alternative in the Ames fluctuation assay. <i>Science of the Total Environment</i> , 2021 , 759, 143522	10.2	0
21	Combined sediment desorption and bioconcentration model to predict levels of dioxin-like chemicals in fish. <i>Science of the Total Environment</i> , 2021 , 758, 143891	10.2	0
20	Evidence of increased estrogenicity upon metabolism of Bisphenol F - Elucidation of the key metabolites. <i>Science of the Total Environment</i> , 2021 , 787, 147669	10.2	0
19	An integrative approach to define chemical exposure threshold limits for endangered sea turtles. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126512	12.8	0
18	Effects of the antidepressant mirtazapine on the swimming behaviour and gene expression rate of <i>Danio rerio</i> embryos - Is the sedating effect seen in humans also evident for fish?. <i>Science of the Total Environment</i> , 2021 , 792, 148368	10.2	0

17	Demonstration of an aggregated biomarker response approach to assess the impact of point and diffuse contaminant sources in feral fish in a small river case study. <i>Science of the Total Environment</i> , 2022 , 804, 150020	10.2	0
16	Three propositions for improved science communication from environmental research. <i>Integrated Environmental Assessment and Management</i> , 2015 , 11, 174-5	2.5	
15	Invasive Krebse in Europa. <i>Biologie in Unserer Zeit</i> , 2015 , 45, 113-119	0.1	
14	Whole-Sediment Toxicity Bioassay to Determine Bioavailability and Effects of Aquatic Contaminants Using Zebrafish Embryos. <i>Methods in Pharmacology and Toxicology</i> , 2020 , 1	1.1	
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12	Hydrotoxikologie [Eine Methodik zur Bewertung schadstoffbelasteter Sedimente in Stauseen. <i>Wasserwirtschaft</i> , 2014 , 104, 34-37	0.3	
11	Assessment of the Ecotoxicological and Environmental Effects of Biorefineries 2012 , 435-467		
10	Laudation to Prof. Dr. Hans-Toni Ratte--towards conceptual, theory-based ecological science and its transfer to the applied field of ecotoxicology. <i>Environmental Sciences Europe</i> , 2011 , 23, 34		
9	Verleihung des Förderpreises des SETAC-GLB an junge Nachwuchswissenschaftler/innen 2009. <i>Environmental Sciences Europe</i> , 2010 , 22, 738-740		
8	Subject Area [Sediments] The Subject Editors and Advisors: Challenges and relevant literature in JSS and ESPR (the presentation of the Editors is not complete yet and will be continued). <i>Journal of Soils and Sediments</i> , 2007 , 7, 2-8	3.4	
7	Controversies and Solutions in Environmental Sciences. <i>Journal of Soils and Sediments</i> , 2007 , 7, 359-359	3.4	
6	Verleihung des Förderpreises der SETAC-GLB an junge Nachwuchswissenschaftler/innen 2006. <i>Environmental Sciences Europe</i> , 2006 , 18, 287-288		
5	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	
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3	What is the spatial-temporal behavior of a low, medium and high adsorptive compound in two contrasting natural sediments in OECD 218/219 test systems?. <i>Science of the Total Environment</i> , 2021 , 151096	10.2	
2	A novel strategy for high-throughput sample collection, analysis and visualization of explosives[] concentrations for contaminated areas. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	
1	Pesticide Mixtures: Effects of Combined Application on the Degradation of Pesticides in Soil (OECD 307) and Aquatic Sediment (OECD 308) Test Systems. <i>ACS Symposium Series</i> , 113-136	0.4	