

Eberhard Kster

List of Publications by Citations

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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.

41
papers

1,540
citations

22
h-index

39
g-index

45
ext. papers

1,732
ext. citations

5.6
avg. IF

4.5
L-index

#	Paper	IF	Citations
41	The zebrafish embryo model in environmental risk assessment--applications beyond acute toxicity testing. <i>Environmental Science and Pollution Research</i> , 2008 , 15, 394-404	5.1	393
40	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
39	Chemical and ecotoxicological assessment of polycyclic aromatic hydrocarbon--contaminated sediments of the Niger Delta, Southern Nigeria. <i>Science of the Total Environment</i> , 2005 , 340, 123-36	10.2	86
38	Cholin- and carboxylesterase activities in developing zebrafish embryos (Danio rerio) and their potential use for insecticide hazard assessment. <i>Aquatic Toxicology</i> , 2005 , 75, 76-85	5.1	72
37	How to deal with lipophilic and volatile organic substances in microtiter plate assays. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1676	3.8	57
36	Effect-based assessment of toxicity removal during wastewater treatment. <i>Water Research</i> , 2017 , 126, 153-163	12.5	49
35	The internal concentration of organic substances in fish embryos--a toxicokinetic approach. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 1819-27	3.8	48
34	Identification of toxic products of anthracene photomodification in simulated sunlight. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2228-37	3.8	48
33	Toxicokinetics of Polar Chemicals in Zebrafish Embryo (Danio rerio): Influence of Physicochemical Properties and of Biological Processes. <i>Environmental Science & Technology</i> , 2016 , 50, 10264-72	10.3	47
32	Vitellogenin cleavage products as indicators for toxic stress in zebra fish embryos: a proteomic approach. <i>Proteomics</i> , 2007 , 7, 4541-54	4.8	46
31	A quantitative HPLC-MS/MS method for studying internal concentrations and toxicokinetics of 34 polar analytes in zebrafish (Danio rerio) embryos. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4831-40	4.0	40
30	Body Mass Parameters, Lipid Profiles and Protein Contents of Zebrafish Embryos and Effects of 2,4-Dinitrophenol Exposure. <i>PLoS ONE</i> , 2015 , 10, e0134755	3.7	39
29	Concentration-response concept in ecotoxicoproteomics: effects of different phenanthrene concentrations to the zebrafish (Danio rerio) embryo proteome. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 76, 11-22	7	37
28	Biochemical, metabolic, and behavioural responses and recovery of Daphnia magna after exposure to an organophosphate. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 353-9	7	36
27	Comparison of cholin- and carboxylesterase enzyme inhibition and visible effects in the zebra fish embryo bioassay under short-term paraoxon-methyl exposure. <i>Biomarkers</i> , 2006 , 11, 341-54	2.6	31
26	A novel in vitro system for the determination of bioconcentration factors and the internal dose in zebrafish (Danio rerio) eggs. <i>Chemosphere</i> , 2009 , 77, 928-33	8.4	30
25	Application of preparative capillary gas chromatography (pcGC), automated structure generation and mutagenicity prediction to improve effect-directed analysis of genotoxicants in a contaminated groundwater. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 885-97	5.1	29

24	On the mode of action of N-phenyl-2-naphthylamine in plants. <i>Environmental Science & Technology</i> , 2006 , 40, 6163-9	10.3	27
23	Suborganismic and organismic effects of aldicarb and its metabolite aldicarb-sulfoxide to the zebrafish embryo (<i>Danio rerio</i>). <i>Chemosphere</i> , 2007 , 68, 751-60	8.4	26
22	Influence of the perivitelline space on the quantification of internal concentrations of chemicals in eggs of zebrafish embryos (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2014 , 157, 134-40	5.1	24
21	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
20	Hypo- or hyperactivity of zebrafish embryos provoked by neuroactive substances: a review on how experimental parameters impact the predictability of behavior changes. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	24
19	Metabolism of clofibric acid in zebrafish embryos (<i>Danio rerio</i>) as determined by liquid chromatography-high resolution-mass spectrometry. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016 , 185-186, 20-28	3.2	21
18	Proteomic Signatures of the Zebrafish (<i>Danio rerio</i>) Embryo: Sensitivity and Specificity in Toxicity Assessment of Chemicals. <i>International Journal of Proteomics</i> , 2010 , 2010, 630134		20
17	Biotransformation in the zebrafish embryo -temporal gene transcription changes of cytochrome P450 enzymes and internal exposure dynamics of the AhR binding xenobiotic benz[a]anthracene. <i>Environmental Pollution</i> , 2017 , 230, 1-11	9.3	19
16	Oxygen decline in biotesting of environmental samples--is there a need for consideration in the acute zebrafish embryo assay?. <i>Environmental Toxicology</i> , 2008 , 23, 745-50	4.2	19
15	Mixture toxicity of water contaminants-effect analysis using the zebrafish embryo assay (<i>Danio rerio</i>). <i>Chemosphere</i> , 2016 , 152, 503-12	8.4	18
14	Effects of hydrogen sulfide to <i>Vibrio fischeri</i> , <i>Scenedesmus vacuolatus</i> , and <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2621-9	3.8	18
13	Optimization of the spontaneous tail coiling test for fast assessment of neurotoxic effects in the zebrafish embryo using an automated workflow in KNIME . <i>Neurotoxicology and Teratology</i> , 2020 , 81, 106918	3.9	15
12	Toxicity and neurotoxicity profiling of contaminated sediments from Gulf of Bothnia (Sweden): a multi-endpoint assay with Zebrafish embryos. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	14
11	Zinc and cadmium accumulation in single zebrafish (<i>Danio rerio</i>) embryos [A total reflection X-ray fluorescence spectrometry application. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 1443-1449	3.1	13
10	On line biomonitors used as a tool for toxicity reduction evaluation of in situ groundwater remediation techniques. <i>Biosensors and Bioelectronics</i> , 2004 , 19, 1711-22	11.8	10
9	How to deal with lipophilic and volatile organic substances in microtiter plate assays. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1676-82	3.8	10
8	A toxicokinetic study of specifically acting and reactive organic chemicals for the prediction of internal effect concentrations in <i>Scenedesmus vacuolatus</i> . <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 100-11	3.8	8
7	Photostability and toxicity of pentachlorophenol and phenanthrene. <i>Journal of Hazardous Materials</i> , 2011 , 189, 235-40	12.8	8

6	Maximum entropy estimation of a Benzene contaminated plume using ecotoxicological assays. <i>Environmental Pollution</i> , 2013 , 172, 170-9	9.3	6
5	Urinary dopamine and renal handling of L-DOPA in fasted spontaneously hypertensive rats. <i>Kidney and Blood Pressure Research</i> , 1998 , 21, 438-44	3.1	3
4	Automated measurement of the spontaneous tail coiling of zebrafish embryos as a sensitive behavior endpoint using a workflow in KNIME. <i>MethodsX</i> , 2021 , 8, 101330	1.9	3
3	Assessing Combined Effects for Mixtures of Similar and Dissimilar Acting Neuroactive Substances on Zebrafish Embryo Movement. <i>Toxics</i> , 2021 , 9,	4.7	1
2	Toxizitätsreduktion durch (Grundwasser-) Sanierung?. <i>Grundwasser</i> , 2003 , 8, 32-40	1.1	
1	Evaluation of Neurotoxic Effects in Zebrafish Embryos by Automatic Measurement of Early Motor Behaviors. <i>Neuromethods</i> , 2021 , 381-397	0.4	