

Steffen H Keiter

List of Publications by Year in descending order

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53
papers

2,349
citations

218592

26
h-index

206029

48
g-index

59
all docs

59
docs citations

59
times ranked

2646
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics as Vehicles of Environmental PAHs to Marine Organisms: Combined Chemical and Physical Hazards to the Mediterranean Mussels, <i>Mytilus galloprovincialis</i> . <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	248
2	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
3	Ingestion and contact with polyethylene microplastics does not cause acute toxicity on marine zooplankton. <i>Journal of Hazardous Materials</i> , 2018, 360, 452-460.	6.5	155
4	Environmentally relevant microplastic exposure affects sediment-dwelling bivalves. <i>Environmental Pollution</i> , 2018, 236, 652-660.	3.7	147
5	Ecotoxicological Effects of Chemical Contaminants Adsorbed to Microplastics in the Clam <i>Scrobicularia plana</i> . <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	126
6	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
7	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
8	Organic contaminants sorbed to microplastics affect marine medaka fish early life stages development. <i>Marine Pollution Bulletin</i> , 2020, 154, 111059.	2.3	77
9	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
10	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.	5.3	71
11	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
12	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, 16305-16318.	2.7	53
13	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
14	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
15	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	46
16	The value of zebrafish as an integrative model in effect-directed analysis - a review. <i>Environmental Sciences Europe</i> , 2015, 27, .	2.6	45
17	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. <i>Journal of Hazardous Materials</i> , 2021, 415, 125626.	6.5	45
18	Examining multi- and transgenerational behavioral and molecular alterations resulting from parental exposure to an environmental PCB and PBDE mixture. <i>Aquatic Toxicology</i> , 2019, 208, 29-38.	1.9	42

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19	Perfluorooctane sulfonic acid (PFOS) adsorbed to polyethylene microplastics: Accumulation and ecotoxicological effects in the clam <i>Scrobicularia plana</i> . <i>Marine Environmental Research</i> , 2021, 164, 105249.	1.1	40
20	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 (3 pp). <i>Environmental Science and Pollution Research</i> , 2007, 14, 85-87.	2.7	39
21	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, 16319-16328.	2.7	36
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Investigations on sediment toxicity of German rivers applying a standardized bioassay battery. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16358-16370.	2.7	25
30	<i>Danio rerio</i> as a model in aquatic toxicology and sediment research. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16243-16246.	2.7	23
31	Sorption and desorption kinetics of PFOS to pristine microplastic. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4497-4507.	2.7	23
32	An environmentally relevant mixture of polychlorinated biphenyls (PCBs) and polybrominated diphenylethers (PBDEs) disrupts mitochondrial function, lipid metabolism and neurotransmission in the brain of exposed zebrafish and their unexposed F2 offspring. <i>Science of the Total Environment</i> , 2021, 754, 142097.	3.9	21
33	A bioassay approach to determine the dioxin-like activity in sediment extracts from the Danube River: Ethoxyresorufin-O-deethylase induction in gill filaments and liver of three-spined sticklebacks (<i>Gasterosteus aculeatus</i> L.). <i>Environment International</i> , 2008, 34, 1176-1184.	4.8	20
34	The insecticide permethrin induces transgenerational behavioral changes linked to transcriptomic and epigenetic alterations in zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2021, 779, 146404.	3.9	20
35	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
36	Mixture-specific gene expression in zebrafish (<i>Danio rerio</i>) embryos exposed to perfluorooctane sulfonic acid (PFOS), perfluorohexanoic acid (PFHxA) and 3,3,4,4,5-pentachlorobiphenyl (PCB126). <i>Science of the Total Environment</i> , 2017, 590-591, 249-257.	3.9	19

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37	Environmental chemicals differentially affect epigenetic-related mechanisms in the zebrafish liver (ZF-L) cell line and in zebrafish embryos. <i>Aquatic Toxicology</i> , 2019, 215, 105272.	1.9	19
38	Genotoxic and teratogenic effect of freshwater sediment samples from the Rhine and Elbe River (Germany) in zebrafish embryo using a multi-endpoint testing strategy. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16341-16357.	2.7	16
39	Multi- and transgenerational effects following early-life exposure of zebrafish to permethrin and coumarin 47: Impact on growth, fertility, behavior and lipid metabolism. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111348.	2.9	16
40	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
41	Looking back - Looking forward: A novel multi-time slice weight-of-evidence approach for defining reference conditions to assess the impact of human activities on lake systems. <i>Science of the Total Environment</i> , 2018, 626, 1036-1046.	3.9	9
42	A temporal high-resolution investigation of the Ah-receptor pathway during early development of zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018, 204, 117-129.	1.9	9
43	Toxizität und Risk Assessment fluvialer Sedimente und Schwebstoffe: Eine kurze Übersicht bisheriger und neuerer Entwicklungen. <i>Environmental Sciences Europe</i> , 2010, 22, 651-655.	0.1	8
44	Benzo[a]pyrene and 2,3-benzofuran induce divergent temporal patterns of AhR-regulated responses in zebrafish embryos (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109505.	2.9	7
45	Influence of Particle Size on Ecotoxicity of Low-Density Polyethylene Microplastics, with and without Adsorbed Benzo-a-Pyrene, in Clam <i>Scrobicularia plana</i> . <i>Biomolecules</i> , 2022, 12, 78.	1.8	7
46	Observed and predicted embryotoxic and teratogenic effects of organic and inorganic environmental pollutants and their mixtures in zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2022, 248, 106175.	1.9	7
47	Fishing for contaminants: identification of three mechanism specific transcriptome signatures using <i>Danio rerio</i> embryos. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4023-4036.	2.7	6
48	Fuzzy logic and adaptive neuro-fuzzy inference system for characterization of contaminant exposure through selected biomarkers in African catfish. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1586-1595.	2.7	5
49	Fold-change threshold screening: a robust algorithm to unmask hidden gene expression patterns in noisy aggregated transcriptome data. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16384-16392.	2.7	4
50	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
51	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, .	2.6	1
52	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
53	Insights on Ecotoxicological Effects of Microplastics in Marine Ecosystems: The EPHEMARE Project. <i>Springer Water</i> , 2020, , 12-19.	0.2	0