

Georg Reifferscheid

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/543076/publications.pdf>

Version: 2024-02-01

78
papers

4,617
citations

159585

30
h-index

102487

66
g-index

81
all docs

81
docs citations

81
times ranked

5233
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative and qualitative evaluation of plastic particles in surface waters of the Western Black Sea. <i>Environmental Pollution</i> , 2021, 268, 115724.	7.5	33
2	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.	8.0	4
3	Coupling high-performance thin-layer chromatography with a battery of cell-based assays reveals bioactive components in wastewater and landfill leachates. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112092.	6.0	12
4	Microplastic in Water and Sediments at the Confluence of the Elbe and Mulde Rivers in Germany. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	21
5	Toxicity of microplastics and natural particles in the freshwater dipteran <i>Chironomus riparius</i> : Same same but different?. <i>Science of the Total Environment</i> , 2020, 711, 134604.	8.0	61
6	Yeast-Based Fluorescent Sensors for the Simultaneous Detection of Estrogenic and Androgenic Compounds, Coupled with High-Performance Thin Layer Chromatography. <i>Biosensors</i> , 2020, 10, 169.	4.7	12
7	Pitfalls and Limitations in Microplastic Analyses. <i>Handbook of Environmental Chemistry</i> , 2020, , 13-42.	0.4	13
8	Plastics in aquatic environments – Results of an international survey. <i>Fundamental and Applied Limnology</i> , 2020, 194, 67-76.	0.7	7
9	Comparative assessment of microplastics in water and sediment of a large European river. <i>Science of the Total Environment</i> , 2020, 738, 139866.	8.0	215
10	Validation of the micro-EROD assay with H4IIE cells for assessing sediment contamination with dioxin-like chemicals. <i>Environmental Pollution</i> , 2020, 265, 114984.	7.5	3
11	Combination of yeast-based <i>in vitro</i> screens with high-performance thin-layer chromatography as a novel tool for the detection of hormonal and dioxin-like compounds. <i>Analytica Chimica Acta</i> , 2019, 1081, 218-230.	5.4	22
12	Detection and Quantification of Photosystem II Inhibitors Using the Freshwater Alga <i>Desmodesmus subspicatus</i> in Combination with High-Performance Thin-Layer Chromatography. <i>Environmental Science & Technology</i> , 2019, 53, 13458-13467.	10.0	12
13	Sampling techniques and preparation methods for microplastic analyses in the aquatic environment – A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 84-92.	11.4	248
14	Coupling High-Performance Thin-Layer Chromatography with Bacterial Genotoxicity Bioreporters. <i>Environmental Science & Technology</i> , 2019, 53, 6410-6419.	10.0	13
15	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.	11.4	82
16	Freshwater Microplastics: Challenges for Regulation and Management. <i>Handbook of Environmental Chemistry</i> , 2018, , 239-272.	0.4	28
17	A new approach in separating microplastics from environmental samples based on their electrostatic behavior. <i>Environmental Pollution</i> , 2018, 234, 20-28.	7.5	163
18	Screening and risk management solutions for steroidal estrogens in surface and wastewater. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 343-358.	11.4	68

#	ARTICLE	IF	CITATIONS
19	In vitro tools for the toxicological evaluation of sediments and dredged materials: intra- and inter-laboratory comparisons of chemical and bioanalytical methods. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4037-4050.	5.3	7
20	PET microplastics do not negatively affect the survival, development, metabolism and feeding activity of the freshwater invertebrate <i>Gammarus pulex</i> . <i>Environmental Pollution</i> , 2018, 234, 181-189.	7.5	173
21	Transcriptional changes measured in rice roots after exposure to arsenite-contaminated sediments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2707-2717.	5.3	8
22	Feeding type and development drive the ingestion of microplastics by freshwater invertebrates. <i>Scientific Reports</i> , 2017, 7, 17006.	3.3	282
23	Unprecedented sensitivity of the planar yeast estrogen screen by using a spray-on technology. <i>Journal of Chromatography A</i> , 2017, 1530, 185-191.	3.7	28
24	The 2015 Annual Meeting of SETAC German Language Branch in Zurich (7 th -10 September, 2015): Ecotoxicology and environmental chemistry [®] from research to application. <i>Environmental Sciences Europe</i> , 2016, 28, 20.	5.5	1
25	Bioanalytical and instrumental screening of the uptake of sediment-borne, dioxin-like compounds in roach (<i>Rutilus rutilus</i>). <i>Environmental Science and Pollution Research</i> , 2016, 23, 12060-12074.	5.3	11
26	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, 1914-1923.	10.0	38
27	SOS gene induction and possible mutagenic effects of freeze-drying in <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9255-9264.	3.6	6
28	Toward understanding the impacts of sediment contamination on a native fish species: transcriptional effects, EROD activity, and biliary PAH metabolites. <i>Environmental Sciences Europe</i> , 2016, 28, 28.	5.5	13
29	Characterisation of transcriptional responses to dioxins and dioxin-like contaminants in roach (<i>Rutilus rutilus</i>). <i>Environmental Science and Pollution Research</i> , 2016, 23, 412-423.	8.0	29
30	Development of a sediment-contact test with rice for the assessment of sediment-bound pollutants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12664-12675.	5.3	4
31	Bioaccumulation in aquatic systems: methodological approaches, monitoring and assessment. <i>Environmental Sciences Europe</i> , 2015, 27, 5.	5.5	48
32	Towards science-based sediment quality standards [®] Effects of field-collected sediments in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquatic Toxicology</i> , 2015, 166, 50-62.	4.0	20
33	A physiologically based toxicokinetic (PBTK) model for moderately hydrophobic organic chemicals in the European eel (<i>Anguilla anguilla</i>). <i>Science of the Total Environment</i> , 2015, 536, 279-287.	8.0	19
34	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , 2015, 27, .	11.0	196
35	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, 1728-1741.	12.0	39
36	Equilibrium sampling of polychlorinated biphenyls in River Elbe sediments [®] Linking bioaccumulation in fish to sediment contamination. <i>Chemosphere</i> , 2015, 138, 856-862.	8.2	30

#	ARTICLE	IF	CITATIONS
37	Physiologically-based toxicokinetic models help identifying the key factors affecting contaminant uptake during flood events. <i>Aquatic Toxicology</i> , 2014, 152, 38-46.	4.0	30
38	Understanding Receptor-Mediated Effects in Rainbow Trout: <i>In Vitro</i> to <i>In Vivo</i> Extrapolation Using Physiologically Based Toxicokinetic Models. <i>Environmental Science & Technology</i> , 2014, 48, 3303-3309.	10.0	25
39	Microplastics in freshwater ecosystems: what we know and what we need to know. <i>Environmental Sciences Europe</i> , 2014, 26, 12.	5.5	914
40	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.	8.0	82
41	The dioRAMA project: assessment of dioxin-like activity in sediments and fish (<i>Rutilus rutilus</i>) in support of the ecotoxicological characterization of sediments. <i>Journal of Soils and Sediments</i> , 2013, 13, 770-774.	3.0	7
42	Direct Coupling of Thin-Layer Chromatography with a Bioassay for the Detection of Estrogenic Compounds: Applications for Effect-Directed Analysis. <i>Analytical Chemistry</i> , 2013, 85, 7248-7256.	6.5	70
43	Integrated biological-chemical approach for the isolation and selection of polyaromatic mutagens in surface waters. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9101-9112.	3.7	21
44	Combination of high-performance thin-layer chromatography with a specific bioassay - A tool for effect-directed analysis. <i>Journal of Planar Chromatography - Modern TLC</i> , 2013, 26, 395-401.	1.2	28
45	Estrogenic effects along the river saale. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 526-534.	4.3	14
46	Effect directed analysis and mixture effects of estrogenic compounds in a sediment of the river Elbe. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3350-3361.	5.3	49
47	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.	2.9	31
48	Roles of human sulfotransferases in genotoxicity of carcinogens using genetically engineered <i>umu</i> test strains. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 152-164.	2.2	21
49	Polar Compounds Dominate In Vitro Effects of Sediment Extracts. <i>Environmental Science & Technology</i> , 2011, 45, 2384-2390.	10.0	90
50	Microbial genotoxicity bioreporters based on <i>sulA</i> activation. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3013-3024.	3.7	30
51	Investigation on soil contamination at recently inundated and non-inundated sites. <i>Journal of Soils and Sediments</i> , 2011, 11, 82-92.	3.0	28
52	Identification of mutagens in freshwater sediments by the Ames fluctuation assay using nitroreductase and acetyltransferase overproducing test strains. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 397-408.	2.2	24
53	Evaluation of chrono-amperometric signal detection for the analysis of genotoxicity by a whole cell biosensor. <i>Analytica Chimica Acta</i> , 2010, 659, 122-128.	5.4	16
54	DanTox – 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.	3.0	26

#	ARTICLE	IF	CITATIONS
55	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.	3.0	36
56	Bacterial genotoxicity bioreporters. <i>Microbial Biotechnology</i> , 2010, 3, 412-427.	4.2	51
57	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.	1.7	75
58	Cell-Based Genotoxicity Testing. , 2009, 118, 85-111.		10
59	Gene expression profiling to characterize sediment toxicity – a pilot study using <i>Caenorhabditis elegans</i> whole genome microarrays. <i>BMC Genomics</i> , 2009, 10, 160.	2.8	68
60	Integral assessment of estrogenic potentials in sediment-associated samples. <i>Environmental Science and Pollution Research</i> , 2009, 16, 54-64.	5.3	14
61	A whole cell electrochemical biosensor for water genotoxicity bio-detection. <i>Electrochimica Acta</i> , 2009, 54, 6113-6118.	5.2	84
62	A Novel Microfluidic Whole Cell Biosensor Based on Electrochemical Detection for Water Toxicity Analysis. <i>ECS Transactions</i> , 2009, 16, 187-197.	0.5	2
63	Development of a freeze-drying protocol for the long-term storage of S9-fraction at ambient temperatures. <i>Cryobiology</i> , 2009, 58, 139-144.	0.7	3
64	Integral assessment of estrogenic potentials of sediment-associated samples. <i>Environmental Science and Pollution Research</i> , 2008, 15, 75-83.	5.3	17
65	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.	1.7	43
66	HAZARD CHARACTERIZATION AND IDENTIFICATION OF A FORMER AMMUNITION SITE USING MICROARRAYS, BIOASSAYS, AND CHEMICAL ANALYSIS. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 634.	4.3	37
67	A NOVEL CONTACT ASSAY FOR TESTING GENOTOXICITY OF CHEMICALS AND WHOLE SEDIMENTS IN ZEBRAFISH EMBRYOS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2097.	4.3	109
68	Further development of the Î²-lactamase MutaGen assay and evaluation by comparison with Ames fluctuation tests and theumu test. <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 126-139.	2.2	17
69	ASSESSMENT OF THE MUTAGENIC POTENCY OF SEWAGE SLUDGES CONTAMINATED WITH POLYCYCLIC AROMATIC HYDROCARBONS BY AN AMES FLUCTUATION ASSAY. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2576.	4.3	28
70	Mutagenicity test system based on a reporter gene assay for short-term detection of mutagens (MutaGen assay). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 535, 55-72.	1.7	8
71	Genotoxicity and Mutagenicity of Suspended Particulate Matter of River Water and Waste Water Samples. <i>Scientific World Journal</i> , The, 2002, 2, 1036-1039.	2.1	5
72	Evaluation of the SOS/umu-test post-treatment assay for the detection of genotoxic activities of pure compounds and complex environmental mixtures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 466, 161-171.	1.7	39

#	ARTICLE	IF	CITATIONS
73	Genotoxicity and cytotoxicity of the epoxy resin-based root canal sealer AH plus. Journal of Endodontics, 1999, 25, 109-113.	3.1	70
74	Increase of sensitivity and validity of the SOS/umu-test after replacement of the β -galactosidase reporter gene with luciferase. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 394, 9-16.	1.7	18
75	Validation of the SOS/umu test using test results of 486 chemicals and comparison with the Ames test and carcinogenicity data. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 369, 129-145.	1.2	163
76	Genotoxicity of dental materials. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 368, 181-194.	1.2	182
77	Detection of mammalian carcinogens with an immunological DNA synthesis-inhibition test. Carcinogenesis, 1992, 13, 2389-2394.	2.8	39
78	Molecular Composition of Glutamine Synthetase of Sinapis alba L.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1988, 43, 194-198.	1.4	19