Lennart Weltje

List of Publications by Year
in descending order

57 papers	1,577 citations	304368 22 h-index	315357 38 g-index
59 all docs	59 docs citations	59 times ranked	1976 citing authors

#	Article	IF	Citations
1	Stimulated embryo production as a parameter of estrogenic exposure via sediments in the freshwater mudsnail Potamopyrgus antipodarum. Aquatic Toxicology, 2003, 64, 437-449.	1.9	133
2	Lanthanide concentrations in freshwater plants and molluscs, related to those in surface water, pore water and sediment. A case study in The Netherlands. Science of the Total Environment, 2002, 286, 191-214.	3.9	117
3	Reproductive stimulation by low doses of xenoestrogens contrasts with the view of hormesis as an adaptive response. Human and Experimental Toxicology, 2005, 24, 431-437.	1.1	100
4	A review of the evidence for endocrine disrupting effects of current-use chemicals on wildlife populations. Critical Reviews in Toxicology, 2018, 48, 195-216.	1.9	100
5	COMPARATIVE ACUTE AND CHRONIC SENSITIVITY OF FISH AND AMPHIBIANS: A CRITICAL REVIEW OF DATA. Environmental Toxicology and Chemistry, 2013, 32, 984-994.	2.2	83
6	Endocrine disruption in nematodes: effects and mechanisms. Ecotoxicology, 2007, 16, 15-28.	1.1	72
7	Genotoxic damage in field-collected three-spined sticklebacks (Gasterosteus aculeatus L.): A suitable biomonitoring tool?. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 628, 19-30.	0.9	66
8	Chironomids: suitable test organisms for risk assessment investigations on the potential endocrine disrupting properties of pesticides. Ecotoxicology, 2007, 16, 221-230.	1.1	62
9	Development and validation of an OECD reproductive toxicity test guideline with the pond snail Lymnaea stagnalis (Mollusca, Gastropoda). Regulatory Toxicology and Pharmacology, 2014, 70, 605-614.	1.3	49
10	The utility of QSARs in predicting acute fish toxicity of pesticide metabolites: A retrospective validation approach. Regulatory Toxicology and Pharmacology, 2016, 80, 241-246.	1.3	47
11	Development of an embryo toxicity test with the pond snail Lymnaea stagnalis using the model substance tributyltin and common solvents. Science of the Total Environment, 2012, 435-436, 90-95.	3.9	44
12	Test concentration setting for fish in vivo endocrine screening assays. Chemosphere, 2013, 92, 1067-1076.	4.2	41
13	Lutetium Speciation and Toxicity in a Microbial Bioassay: Testing the Free-Ion Model for Lanthanides. Environmental Science & Technology, 2004, 38, 6597-6604.	4.6	40
14	Recommended approaches to the scientific evaluation of ecotoxicological hazards and risks of endocrine-active substances. Integrated Environmental Assessment and Management, 2017, 13, 267-279.	1.6	38
15	Science based guidance for the assessment of endocrine disrupting properties of chemicals. Regulatory Toxicology and Pharmacology, 2011, 59, 37-46.	1.3	37
16	Risk assessment of endocrine active chemicals: Identifying chemicals of regulatory concern. Regulatory Toxicology and Pharmacology, 2012, 64, 143-154.	1.3	34
17	Adsorption of metals to membrane filters in view of their speciation in nutrient solution. Environmental Toxicology and Chemistry, 2003, 22, 265-271.	2.2	29
18	Aquatic toxicity tests with substances that are poorly soluble in water and consequences for environmental risk assessment. Environmental Toxicology and Chemistry, 2012, 31, 1662-1669.	2.2	29

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19	What Makes a Concentration Environmentally Relevant? Critique and a Proposal. Environmental Science & Technology, 2017, 51, 11520-11521.	4.6	29
20	A review of the effects of azole compounds in fish and their possible involvement in masculinization of wild fish populations. Critical Reviews in Toxicology, 2015, 45, 453-467.	1.9	28
21	Critical Review of Readâ€Across Potential in Testing for Endocrineâ€Related Effects in Vertebrate Ecological Receptors. Environmental Toxicology and Chemistry, 2020, 39, 739-753.	2.2	23
22	Uncertainties in biological responses that influence hazard and risk approaches to the regulation of endocrine active substances. Integrated Environmental Assessment and Management, 2017, 13, 293-301.	1.6	22
23	Weight of evidence approaches for the identification of endocrine disrupting properties of chemicals: Review and recommendations for EU regulatory application. Regulatory Toxicology and Pharmacology, 2017, 91, 20-28.	1.3	21
24	Reducing the number of fish in bioconcentration studies with general chemicals by reducing the number of test concentrations. Regulatory Toxicology and Pharmacology, 2014, 70, 442-445.	1.3	20
25	Optimizing the design of a reproduction toxicity test with the pond snail Lymnaea stagnalis. Regulatory Toxicology and Pharmacology, 2016, 81, 47-56.	1.3	20
26	Does hepatotoxicity interfere with endocrine activity in zebrafish (Danio rerio)?. Chemosphere, 2020, 238, 124589.	4.2	18
27	The chironomid acute toxicity test: Development of a new test system. Integrated Environmental Assessment and Management, 2010, 6, 301-307.	1.6	17
28	Commentary: Assessing the endocrine disrupting effects of chemicals on invertebrates in the European Union. Environmental Sciences Europe, 2022, 34, .	2.6	16
29	The seven year itchâ€"progress in research on endocrine disruption in aquatic invertebrates since 1999. Ecotoxicology, 2007, 16, 1-3.	1.1	15
30	Acute oral toxicity of chemicals in terrestrial life stages of amphibians: Comparisons to birds and mammals. Regulatory Toxicology and Pharmacology, 2016, 80, 335-341.	1.3	14
31	Assessing the population relevance of endocrineâ€disrupting effects for nontarget vertebrates exposed to plant protection products. Integrated Environmental Assessment and Management, 2019, 15, 278-291.	1.6	14
32	Chronic toxicity of fenoxycarb to the midge Chironomus riparius after exposure in sediments of different composition. Journal of Soils and Sediments, 2009, 9, 94-102.	1.5	13
33	Reducing the number of fish in bioconcentration studies for plant protection products by reducing the number of test concentrations. Chemosphere, 2013, 90, 1300-1304.	4.2	13
34	Endocrine Disruption: Current approaches for regulatory testing and assessment of plant protection products are fit for purpose. Toxicology Letters, 2018, 296, 10-22.	0.4	13
35	The Extended Amphibian Metamorphosis Assay: A Thyroidâ€Specific and Less Animalâ€Intensive Alternative to the Larval Amphibian Growth and Development Assay. Environmental Toxicology and Chemistry, 2021, 40, 2135-2144.	2.2	13
36	Investigating endocrineâ€disrupting properties of chemicals in fish and amphibians: Opportunities to apply the 3Rs. Integrated Environmental Assessment and Management, 2022, 18, 442-458.	1.6	13

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37	Development and validation of an OECD reproductive toxicity test guideline with the mudsnail Potamopyrgus antipodarum (Mollusca, Gastropoda). Chemosphere, 2017, 181, 589-599.	4.2	12
38	Mind the gap: Concerns using endpoints from endocrine screening assays in risk assessment. Regulatory Toxicology and Pharmacology, 2014, 69, 289-295.	1.3	11
39	Refinement of the ECETOC approach to identify endocrine disrupting properties of chemicals in ecotoxicology. Toxicology Letters, 2013, 223, 291-294.	0.4	10
40	Validation of the OECD reproduction test guideline with the New Zealand mudsnail Potamopyrgus antipodarum using trenbolone and prochloraz. Ecotoxicology, 2017, 26, 370-382.	1.1	10
41	Integrating Evolutionary Genetics and Ecotoxicology: On the Correspondence Between Reaction Norms and Concentrationâ€“Response Curves. Ecotoxicology, 2003, 12, 523-528.	1.1	9
42	Interpretation of sexual secondary characteristics (SSCs) in regulatory testing for endocrine activity in fish. Chemosphere, 2020, 240, 124943.	4.2	9
43	<i>In Response</i>: Adverse outcome pathwaysâ€"An industry perspective. Environmental Toxicology and Chemistry, 2015, 34, 1937-1938.	2.2	8
44	Risk assessment considerations for plant protection products and terrestrial life-stages of amphibians. Science of the Total Environment, 2018, 636, 500-511.	3.9	8
45	Temporal population dynamics of the phantom midge Chaoborus crystallinus and its influence on the zooplankton community. Hydrobiologia, 2016, 770, 273-287.	1.0	6
46	An interspecies correlation model to predict acute dermal toxicity of plant protection products to terrestrial life stages of amphibians using fish acute toxicity and bioconcentration data. Chemosphere, 2017, 189, 619-626.	4.2	6
47	Recommendations for Reducing the USE of Fish and Amphibians in Endocrineâ€Disruption Testing of Biocides and Plant Protection Products in Europe. Integrated Environmental Assessment and Management, 2019, 15, 659-662.	1.6	6
48	Developments on the Regulation of Endocrine Disrupting Substances in Europe â€“ Hazard, Risk and the Need for a Scientific Approach. Outlooks on Pest Management, 2012, 23, 85-91.	0.1	5
49	No proof of synergy at environmentally realistic concentrations of prochloraz and esfenvalerateâ€"A reaction on â€œSynergy in microcosms with environmentally realistic concentrations of prochloraz and esfenvalerateâ€•by Bjergager et al. (Aquat. Toxicol. 101 (2011), 412â€“422). Aquatic Toxicology, 2013, 140-141, 466-468.	1.9	5
50	Is normalized hindlimb length measurement in assessment of thyroid disruption in the amphibian metamorphosis assay relevant?. Journal of Applied Toxicology, 2019, 39, 1164-1172.	1.4	5
51	(MIS)Use of the Adverse Outcome Pathway Concept for Assessing Endocrine Disruption in Nontarget Organisms. Integrated Environmental Assessment and Management, 2020, 16, 525-528.	1.6	5
52	Hormone data collection in support of endocrine disruption (ED) assessment for aquatic vertebrates: Pragmatic and animal welfare considerations. Environment International, 2021, 146, 106287.	4.8	5
53	Fipronil should not be categorized as a â€œsystemic insecticideâ€: a reply to Gibbons et al. (2015). Environmental Science and Pollution Research, 2015, 22, 17253-17254.	2.7	3
54	Water and Sediment EQS Derivation and Application. , 2009, , 47-103.		3

#	Article	IF	Citations
55	Reducing the number of fish in regulatory bioconcentration testing: Identifying and overcoming the barriers to using the 1â€concentration approach. Integrated Environmental Assessment and Management, 2017, 13, 212-214.	1.6	1
56	16th SETAC GLB (Society of Environmental Toxicology and Chemistry German LanguageBranch) Annual meeting held under the main theme â€œEcoTOXICOlogy andEnvironmental CHEMISTRY: crossing bordersâ€• from 18th to 20th September2011 at Landau. Environmental Sciences Europe, 2012, 24, .	2.6	0
57	Response to â€œA comprehensive review on environmental toxicity of azole compounds to fishâ€• Chemosphere, 2022, 291, 133023.	4.2	0