Thomas G Preuss

List of Publications by Year
in descending order

41 papers	1,844 citations	257450 24 h-index	265206 42 g-index
42 all docs	42 docs citations	42 times ranked	1914 citing authors

#	Article	IF	Citations
1	General Unified Threshold Model of Survival - a Toxicokinetic-Toxicodynamic Framework for Ecotoxicology. Environmental Science & Technology, 2011, 45, 2529-2540.	10.0	341
2	Nonylphenol Isomers Differ in Estrogenic Activity. Environmental Science & Technology, 2006, 40, 5147-5153.	10.0	136
3	Framework for traitsâ€based assessment in ecotoxicology. Integrated Environmental Assessment and Management, 2011, 7, 172-186.	2.9	123
4	Predicting Population Dynamics from the Properties of Individuals: A Cross-Level Test of Dynamic Energy Budget Theory. American Naturalist, 2013, 181, 506-519.	2.1	95
5	Development and validation of an individual based Daphnia magna population model: The influence of crowding on population dynamics. Ecological Modelling, 2009, 220, 310-329.	2.5	83
6	Extrapolating ecotoxicological effects from individuals to populations: a generic approach based on Dynamic Energy Budget theory and individual-based modeling. Ecotoxicology, 2013, 22, 574-583.	2.4	80
7	Toxicokineticâ€toxicodynamic modeling of quantal and graded sublethal endpoints: A brief discussion of concepts. Environmental Toxicology and Chemistry, 2011, 30, 2519-2524.	4.3	77
8	The minimum detectable difference (MDD) and the interpretation of treatment-related effects of pesticides in experimental ecosystems. Environmental Science and Pollution Research, 2015, 22, 1160-1174.	5.3	67
9	Chemical and natural stressors combined: from cryptic effects to population extinction. Scientific Reports, 2013, 3, 2036.	3.3	65
10	CREAM: a European project on mechanistic effect models for ecological risk assessment of chemicals. Environmental Science and Pollution Research, 2009, 16, 614-617.	5.3	63
11	Feeding Inhibition Explains Effects of Imidacloprid on the Growth, Maturation, Reproduction, and Survival of <i>Daphnia magna</i>. Environmental Science & Technology, 2013, 47, 2909-2917.	10.0	58
12	A review of the tissue residue approach for organic and organometallic compounds in aquatic organisms. Integrated Environmental Assessment and Management, 2011, 7, 50-74.	2.9	52
13	A plea for the use of copepods in freshwater ecotoxicology. Environmental Science and Pollution Research, 2013, 20, 75-85.	5.3	45
14	Limitations of extrapolating toxic effects on reproduction to the population level. Ecological Applications, 2014, 24, 1972-1983.	3.8	36
15	The potential of individual based population models to extrapolate effects measured at standardized test conditions to relevant environmental conditionsâ€"an example for 3,4-dichloroaniline on Daphnia magna. Journal of Environmental Monitoring, 2010, 12, 2070.	2.1	35
16	Toxicokinetic Model Describing Bioconcentration and Biotransformation of Diazinon in Daphnia magna. Environmental Science & Technology, 2011, 45, 4995-5002.	10.0	35
17	Life stage- dependent bioconcentration of a nonylphenol isomer in Daphnia magna. Environmental Pollution, 2008, 156, 1211-1217.	7.5	33
18	Mechanistic effect models for ecological risk assessment of chemicals (MEMoRisk)â€"a new SETAC-Europe Advisory Group. Environmental Science and Pollution Research, 2009, 16, 250-252.	5.3	32

#	Article	IF	Citations
19	A contribution to the identification of representative vulnerable fish species for pesticide risk assessment in Europeâ€”A comparison of population resilience using matrix models. Ecological Modelling, 2014, 280, 65-75.	2.5	31
20	Physiologically-based toxicokinetic models help identifying the key factors affecting contaminant uptake during flood events. Aquatic Toxicology, 2014, 152, 38-46.	4.0	30
21	Recovery based on plot experiments is a poor predictor of landscapeâ€level population impacts of agricultural pesticides. Environmental Toxicology and Chemistry, 2014, 33, 1499-1507.	4.3	29
22	Coupling different mechanistic effect models for capturing individual- and population-level effects of chemicals: Lessons from a case where standard risk assessment failed. Ecological Modelling, 2014, 280, 18-29.	2.5	29
23	Some nonylphenol isomers show antiestrogenic potency in the MVLN cell assay. Toxicology in Vitro, 2010, 24, 129-134.	2.4	28
24	A list of fish species that are potentially exposed to pesticides in edge-of-field water bodies in the European Unionâ€”a first step towards identifying vulnerable representatives for risk assessment. Environmental Science and Pollution Research, 2013, 20, 2679-2687.	5.3	27
25	Understanding Receptor-Mediated Effects in Rainbow Trout: <i>In Vitro</i>â€“<i>in Vivo</i> Extrapolation Using Physiologically Based Toxicokinetic Models. Environmental Science & Technology, 2014, 48, 3303-3309.	10.0	25
26	Life-stage-dependent sensitivity of the cyclopoid copepod Mesocyclops leuckarti to triphenyltin. Chemosphere, 2013, 92, 1145-1153.	8.2	24
27	Process-based modeling of grassland dynamics built on ecological indicator values for land use. Ecological Modelling, 2011, 222, 3854-3868.	2.5	22
28	Henry's law constants measurements of the nonylphenol isomer 4(3â€²,5â€²-dimethyl-3â€²-heptyl)-phenol, tertiary octylphenol and Î³-hexachlorocyclohexane between 278 and 298 K. Atmospheric Environment, 2004, 38, 4859-4868.	4.1	19
29	Promoting effects on reproduction increase population vulnerability of <i>Daphnia magna</i>. Environmental Toxicology and Chemistry, 2012, 31, 1604-1610.	4.3	19
30	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.	3.0	13
31	Combination of a higherâ€tier flowâ€through system and population modeling to assess the effects of timeâ€variable exposure of isoproturon on the green algae <i>Desmodesmus subspicatus</i> and <i>Pseudokirchneriella subcapitata</i>. Environmental Toxicology and Chemistry, 2012, 31, 899-908.	4.3	13
32	How do interactive maternal traits and environmental factors determine offspring size in<i>Daphnia magna</i>?. Annales De Limnologie, 2014, 50, 9-18.	0.6	13
33	Predicting the sensitivity of populations from individual exposure to chemicals: The role of ecological interactions. Environmental Toxicology and Chemistry, 2014, 33, 1449-1457.	4.3	12
34	Identification of realistic worst case aquatic macroinvertebrate species for prospective risk assessment using the trait concept. Environmental Science and Pollution Research, 2011, 18, 1316-1323.	5.3	11
35	Mechanistic modelling of toxicokinetic processes within Myriophyllum spicatum. Chemosphere, 2015, 120, 292-298.	8.2	9
36	An individualâ€based modeling approach for evaluation of endpoint sensitivity in harpacticoid copepod lifeâ€cycle tests and optimization of test design. Environmental Toxicology and Chemistry, 2011, 30, 2353-2362.	4.3	7

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37	Effects of light and temperature fluctuations on the growth of Myriophyllum spicatum in toxicity testsâ€"a model-based analysis. Environmental Science and Pollution Research, 2014, 21, 9644-9654.	5.3	6
38	Ecological interactions affecting population-level responses to chemical stress in Mesocyclops leuckarti. Chemosphere, 2014, 112, 340-347.	8.2	5
39	Modelling the impact of the environmental scenario on population recovery from chemical stress exposure: A case study using Daphnia magna. Aquatic Toxicology, 2014, 156, 221-229.	4.0	4
40	Population-level effects in Amphiascus tenuiremis: Contrasting matrix- and individual-based population models. Aquatic Toxicology, 2014, 157, 207-214.	4.0	3
41	BeeGUTSâ€"A Toxicokineticâ€"Toxicodynamic Model for the Interpretation and Integration of Acute and Chronic Honey Bee Tests. Environmental Toxicology and Chemistry, 2022, 41, 2193-2201.	4.3	2