Theo Brock

List of Publications by Year
in descending order

59	3,349	136950 32	144013 57
papers	citations	h-index	g-index

60	60	60	2468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	INSECTICIDE SPECIES SENSITIVITY DISTRIBUTIONS: IMPORTANCE OF TEST SPECIES SELECTION AND RELEVANCE TO AQUATIC ECOSYSTEMS. Environmental Toxicology and Chemistry, 2005, 24, 379.	4.3	358
2	Effects of the insecticide dursbanÂ® 4E (active ingredient chlorpyrifos) in outdoor experimental ditches: II. Invertebrate community responses and recovery. Environmental Toxicology and Chemistry, 1996, 15, 1143-1153.	4.3	196
3	Fungicide Risk Assessment for Aquatic Ecosystems: Importance of Interspecific Variation, Toxic Mode of Action, and Exposure Regime. Environmental Science & Technology, 2009, 43, 7556-7563.	10.0	188
4	Impact of the fungicide carbendazim in freshwater microcosms. II. Zooplankton, primary producers and final conclusions. Aquatic Toxicology, 2000, 48, 251-264.	4.0	185
5	Threshold Levels for Effects of Insecticides in Freshwater Ecosystems: A Review. Ecotoxicology, 2005, 14, 355-380.	2.4	160
6	Development of a framework based on an ecosystem services approach for deriving specific protection goals for environmental risk assessment of pesticides. Science of the Total Environment, 2012, 415, 31-38.	8.0	150
7	Impact of the fungicide carbendazim in freshwater microcosms. I. Water quality, breakdown of particulate organic matter and responses of macroinvertebrates. Aquatic Toxicology, 2000, 48, 233-250.	4.0	141
8	Aquatic risks of pesticides, ecological protection goals, and common aims in european union legislation. Integrated Environmental Assessment and Management, 2006, 2, e20.	2.9	141
9	Predictive Value of Species Sensitivity Distributions for Effects of Herbicides in Freshwater Ecosystems. Human and Ecological Risk Assessment (HERA), 2006, 12, 645-674.	3.4	132
10	Sensitivity of Macrophyte-Dominated Freshwater Microcosms to Chronic Levels of the Herbicide Linuron. Ecotoxicology and Environmental Safety, 1997, 38, 13-24.	6.0	78
11	Effects of the insecticide dursbanÂ® 4E (active ingredient chlorpyrifos) in outdoor experimental ditches: I. Comparison of shortâ€term toxicity between the laboratory and the field. Environmental Toxicology and Chemistry, 1996, 15, 1133-1142.	4.3	76
12	Effects of chronic low concentrations of the pesticides chlorpyrifos and atrazine in indoor freshwater microcosms. Chemosphere, 1995, 31, 3181-3200.	8.2	74
13	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
14	Conceptual model for improving the link between exposure and effects in the aquatic risk assessment of pesticides. Ecotoxicology and Environmental Safety, 2007, 66, 291-308.	6.0	65
15	EFFECTS OF LAMBDA-CYHALOTHRIN IN TWO DITCH MICROCOSM SYSTEMS OF DIFFERENT TROPHIC STATUS. Environmental Toxicology and Chemistry, 2005, 24, 1684.	4.3	63
16	A FRESHWATER FOOD WEB MODEL FOR THE COMBINED EFFECTS OF NUTRIENTS AND INSECTICIDE STRESS AND SUBSEQUENT RECOVERY. Environmental Toxicology and Chemistry, 2004, 23, 521.	4.3	61
17	Effects of chlorpyrifos in freshwater model ecosystems: the influence of experimental conditions on ecotoxicological thresholds. Pest Management Science, 2005, 61, 923-935.	3.4	59
18	Assessing effects of the fungicide tebuconazole to heterotrophic microbes in aquatic microcosms. Science of the Total Environment, 2014, 490, 1002-1011.	8.0	55

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19	Developing ecological scenarios for the prospective aquatic risk assessment of pesticides. Integrated Environmental Assessment and Management, 2016, 12, 510-521.	2.9	54
20	AQUATIC RISK ASSESSMENT OF A REALISTIC EXPOSURE TO PESTICIDES USED IN BULB CROPS: A MICROCOSM STUDY. Environmental Toxicology and Chemistry, 2004, 23, 1479.	4.3	52
21	Ecological impact in ditch mesocosms of simulated spray drift from a crop protection program for potatoes. Integrated Environmental Assessment and Management, 2006, 2, 105-125.	2.9	51
22	Optimising environmental risk assessments. EMBO Reports, 2015, 16, 1060-1063.	4.5	51
23	Effects of a herbicideâ€"insecticide mixture in freshwater microcosms: Risk assessment and ecological effect chain. Environmental Pollution, 2009, 157, 237-249.	7.5	50
24	Title is missing!. Aquatic Ecology, 1998, 32, 113-123.	1.5	47
25	Sediment Toxicity Testing of Organic Chemicals in the Context of Prospective Risk Assessment: A Review. Critical Reviews in Environmental Science and Technology, 2014, 44, 255-302.	12.8	47
26	Assessing the relevance of ecotoxicological studies for regulatory decision making. Integrated Environmental Assessment and Management, 2017, 13, 652-663.	2.9	47
27	Comparing aquatic risk assessment methods for the photosynthesis-inhibiting herbicides metribuzin and metamitron. Environmental Pollution, 2004, 130, 403-426.	7.5	46
28	Title is missing!. Aquatic Ecology, 1998, 32, 135-152.	1.5	43
29	Acute toxicity tests with Daphnia magna, Americamysis bahia, Chironomus riparius and Gammarus pulex and implications of new EU requirements for the aquatic effect assessment of insecticides. Environmental Science and Pollution Research, 2012, 19, 3610-3618.	5.3	41
30	Impact of a benzoyl urea insecticide on aquatic macroinvertebrates in ditch mesocosms with and without nonâ€sprayed sections. Environmental Toxicology and Chemistry, 2009, 28, 2191-2205.	4.3	39
31	Effects of a mixture of two insecticides in freshwater microcosms: II. Responses of plankton and ecological risk assessment. Ecotoxicology, 2002, 11, 181-197.	2.4	37
32	Acute tier-1 and tier-2 effect assessment approaches in the EFSA Aquatic Guidance Document: are they sufficiently protective for insecticides?. Pest Management Science, 2015, 71, 1059-1067.	3.4	33
33	Priorities to improve the ecological risk assessment and management for pesticides in surface water. Integrated Environmental Assessment and Management, 2013, 9, e64-74.	2.9	31
34	Macroinvertebrate responses to insecticide application between sprayed and adjacent nonsprayed ditch sections of different sizes. Environmental Toxicology and Chemistry, 2010, 29, 1994-2008.	4.3	28
35	The species sensitivity distribution approach compared to a microcosm study: A case study with the fungicide fluazinam. Ecotoxicology and Environmental Safety, 2010, 73, 109-122.	6.0	27
36	Effects of the fungicide metiram in outdoor freshwater microcosms: responses of invertebrates, primary producers and microbes. Ecotoxicology, 2012, 21, 1550-1569.	2.4	26

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37	Effects of the pyrethroid insecticide gamma-cyhalothrin on aquatic invertebrates in laboratory and outdoor microcosm tests. Ecotoxicology, 2009, 18, 211-224.	2.4	25
38	Improving environmental risk assessments of chemicals: Steps towards evidence-based ecotoxicology. Environment International, 2019, 128, 210-217.	10.0	24
39	Can time-weighted average concentrations be used to assess the risks of metsulfuron-methyl to Myriophyllum spicatum under different timeâ€"variable exposure regimes?. Chemosphere, 2011, 85, 1017-1025.	8.2	22
40	Exposure and effects of sediment-spiked fludioxonil on macroinvertebrates and zooplankton in outdoor aquatic microcosms. Science of the Total Environment, 2018, 610-611, 1222-1238.	8.0	21
41	Is the Effect Assessment Approach for Fungicides as Laid Down in the European Food Safety Authority Aquatic Guidance Document Sufficiently Protective for Freshwater Ecosystems?. Environmental Toxicology and Chemistry, 2019, 38, 2279-2293.	4.3	20
42	Interactions between nutrients and organic micro-pollutants in shallow freshwater model ecosystems. Science of the Total Environment, 2008, 406, 436-442.	8.0	19
43	RESPONSES OF ZOOPLANKTON IN LUFENURON-STRESSED EXPERIMENTAL DITCHES IN THE PRESENCE OR ABSENCE OF UNCONTAMINATED REFUGES. Environmental Toxicology and Chemistry, 2008, 27, 1317.	4.3	18
44	Is it possible to extrapolate results of aquatic microcosm and mesocosm experiments with pesticides between climate zones in Europe?. Environmental Science and Pollution Research, 2011, 18, 123-126.	5.3	18
45	Ecological Recovery Potential of Freshwater Organisms: Consequences for Environmental Risk Assessment of Chemicals. Reviews of Environmental Contamination and Toxicology, 2016, 236, 259-294.	1.3	17
46	Ecological Recovery and Resilience in Environmental Risk Assessments at the European Food Safety Authority. Integrated Environmental Assessment and Management, 2018, 14, 586-591.	2.9	17
47	Is the chronic Tier-1 effect assessment approach for insecticides protective for aquatic ecosystems?. Integrated Environmental Assessment and Management, 2016, 12, 747-758.	2.9	16
48	Prospective Environmental Risk Assessment for Sediment-Bound Organic Chemicals: A Proposal for Tiered Effect Assessment. Reviews of Environmental Contamination and Toxicology, 2016, 239, 1-77.	1.3	13
49	Effects of sediment-spiked lufenuron on benthic macroinvertebrates in outdoor microcosms and single-species toxicity tests. Aquatic Toxicology, 2016, 177, 464-475.	4.0	12
50	Toxicity of sediment-bound lufenuron to benthic arthropods in laboratory bioassays. Aquatic Toxicology, 2018, 198, 118-128.	4.0	9
51	Application of General Unified Threshold Models of Survival Models for Regulatory Aquatic Pesticide Risk Assessment Illustrated with an Example for the Insecticide Chlorpyrifos. Integrated Environmental Assessment and Management, 2021, 17, 243-258.	2.9	9
52	Exposure pattern-specific species sensitivity distributions for the ecological risk assessments of insecticides.. Ecotoxicology and Environmental Safety, 2019, 180, 252-258.	6.0	8
53	Response of a nematode community to the fungicide fludioxonil in sediments of outdoor freshwater microcosms compared to a single species toxicity test. Science of the Total Environment, 2020, 710, 135627.	8.0	7
54	Mixture Extrapolation Approaches. , 2008, , 187-222.		7

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55	Aquatic Fate and Effects of <i>Lambda</i>-Cyhalothrin in Model Ecosystem Experiments. ACS Symposium Series, 2008, , 335-354.	0.5	6
56	Sediment toxicity of the fungicide fludioxonil to benthic macroinvertebrates -evaluation of the tiered effect assessment procedure. Ecotoxicology and Environmental Safety, 2020, 195, 110504.	6.0	6
57	Spatial Extrapolation in Ecological Effect Assessment of Chemicals. , 2008, , 223-256.		6
58	Open Science in regulatory environmental risk assessment. Integrated Environmental Assessment and Management, 2021, 17, 1229-1242.	2.9	4
59	Species Sensitivity Distributions of Benthic Macroinvertebrates in Fludioxonil-Spiked Sediment Toxicity Tests. Archives of Environmental Contamination and Toxicology, 2022, 82, 569-580.	4.1	1