Michiel A Daam

List of Publications by Year
in descending order

74 papers	1,719 citations	279701 23 h-index	345118 36 g-index
74 all docs	74 docs citations	74 times ranked	1861 citing authors

#	Article	IF	Citations
1	Chronic environmentally relevant levels of pesticides disrupt energy reserves, feeding rates, and life-cycle responses in the amphipod Hyalella meinerti. Aquatic Toxicology, 2022, 245, 106117.	1.9	3
2	Modified QuEChERS Method for Extracting Thiamethoxam and Imidacloprid from Stingless Bees: Development, Application, and Green Metrics. Environmental Toxicology and Chemistry, 2022, 41, 2365-2374.	2.2	3
3	Use of Postregistration Monitoring Data to Evaluate the Ecotoxicological Risks of Pesticides to Surface Waters: A Case Study with Chlorpyrifos in the Iberian Peninsula. Environmental Toxicology and Chemistry, 2021, 40, 500-512.	2.2	16
4	Impact of 2,4-D and fipronil on the tropical midge Chironomus sancticaroli (Diptera: Chironomidae). Ecotoxicology and Environmental Safety, 2021, 209, 111778.	2.9	23
5	Functional responses of Hyalella meinerti after exposure to environmentally realistic concentrations of 2,4-D, fipronil, and vinasse (individually and in mixture). Aquatic Toxicology, 2021, 231, 105712.	1.9	18
6	Study of the Potential of Water Treatment Sludges in the Removal of Emerging Pollutants. Molecules, 2021, 26, 1010.	1.7	11
7	Toxicity of fipronil and 2,4-D formulations (alone and in a mixture) to the tropical amphipod Hyalella meinerti. Environmental Science and Pollution Research, 2021, 28, 38308-38321.	2.7	12
8	Integrated ecosystem models (soil-water) to analyze pesticide toxicity to aquatic organisms at two different temperature conditions. Chemosphere, 2021, 270, 129422.	4.2	8
9	Metal Toxicity Can Affect Dragonfly Nymphs and Ostracods Predation Rates and Food Selectivity: Ecological Implications on Food Webs. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	1
10	Impact of Simulated Pesticide Spray Drift and Runoff Events on the Structural and Functional Zooplankton Diversity in Tropical Freshwater Microcosms. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	3
11	Acute toxicity of the insecticide abamectin and the fungicide difenoconazole (individually and in) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	11
12	Multi-generational exposure to fipronil, 2,4-D, and their mixtures in Chironomus sancticaroli: Biochemical, individual, and population endpoints. Environmental Pollution, 2021, 283, 117384.	3.7	12
13	Bioaccumulation and chronic toxicity of arsenic and zinc in the aquatic oligochaetes Branchiura sowerbyi and Tubifex tubifex (Annelida, Clitellata). Aquatic Toxicology, 2021, 239, 105955.	1.9	7
14	Lethal and sublethal toxicity of pesticides and vinasse used in sugarcane cultivation to Ceriodaphnia silvestrii (Crustacea: Cladocera). Aquatic Toxicology, 2021, 241, 106017.	1.9	12
15	Acclimation alters glyphosate temperature-dependent toxicity: Implications for risk assessment under climate change. Journal of Hazardous Materials, 2020, 385, 121512.	6.5	18
16	Efficacy assessment of peracetic acid in the removal of synthetic 17Î±-ethinyl estradiol contraceptive hormone in wastewater. Journal of Environmental Sciences, 2020, 89, 1-8.	3.2	13
17	Dynamics of (total and methyl) mercury in sediment, fish, and crocodiles in an Amazonian Lake and risk assessment of fish consumption to the local population. Environmental Monitoring and Assessment, 2020, 192, 101.	1.3	10
18	Individual and mixture toxicity of carbofuran and diuron to the protozoan Paramecium caudatum and the cladoceran Ceriodaphnia silvestrii. Ecotoxicology and Environmental Safety, 2020, 201, 110829.	2.9	14

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19	Acute and chronic toxicity of 2,4-D and fipronil formulations (individually and in mixture) to the Neotropical cladoceran Ceriodaphnia silvestrii. Ecotoxicology, 2020, 29, 1462-1475.	1.1	35
20	Effects of abamectin-based and difenoconazole-based formulations and their mixtures in Daphnia magna: a multiple endpoint approach. Ecotoxicology, 2020, 29, 1486-1499.	1.1	22
21	Herbicides employed in sugarcane plantations have lethal and sublethal effects to larval Boana pardalis (Amphibia, Hylidae). Ecotoxicology, 2020, 29, 1043-1051.	1.1	22
22	Acute toxicity of inorganic nitrogen (ammonium, nitrate and nitrite) to tadpoles of five tropical amphibian species. Ecotoxicology, 2020, 29, 1516-1521.	1.1	11
23	The use of peracetic acid for estrogen removal from urban wastewaters: E2 as a case study. Environmental Monitoring and Assessment, 2020, 192, 114.	1.3	9
24	Acute and chronic toxicity of the fungicide carbendazim to the earthworm Eisenia fetida under tropical versus temperate laboratory conditions. Chemosphere, 2020, 255, 126871.	4.2	18
25	Impact of temperature on the toxicity of Kraft 36ÂECÂ® (a.s. abamectin) and Score 250ÂECÂ® (a.s.) Tj ETQq1 1 0.784314 rgBT /Over and Environmental Safety, 2020, 194, 110446.	2.9	18
26	Lethal toxicity of the herbicides acetochlor, ametryn, glyphosate and metribuzin to tropical frog larvae. Ecotoxicology, 2019, 28, 707-715.	1.1	28
27	The direct effects of a tropical natural humic substance to three aquatic species and its influence on their sensitivity to copper. Ecotoxicology, 2019, 28, 550-558.	1.1	2
28	Environmental risk assessment of pesticides in tropical terrestrial ecosystems: Test procedures, current status and future perspectives. Ecotoxicology and Environmental Safety, 2019, 181, 534-547.	2.9	79
29	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.	2.2	20
30	Acute toxicity of four metals to three tropical aquatic invertebrates: The dragonfly Tramea cophysa and the ostracods Chlamydotheca sp. and Strandesia trispinosa. Ecotoxicology and Environmental Safety, 2019, 180, 535-541.	2.9	13
31	Mortality, Spatial Avoidance and Swimming Behavior of Bullfrog Tadpoles (Lithobates catesbeianus) Exposed to the Herbicide Diuron. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	22
32	Freshwater neotropical oligochaetes as native test species for the toxicity evaluation of cadmium, mercury and their mixtures. Ecotoxicology, 2019, 28, 133-142.	1.1	13
33	Sensitivity of tropical cladocerans to chlorpyrifos and other insecticides as compared to their temperate counterparts. Chemosphere, 2019, 220, 937-942.	4.2	15
34	Establishing causal links between aquatic biodiversity and ecosystem functioning: Status and research needs. Science of the Total Environment, 2019, 656, 1145-1156.	3.9	54
35	Chironomus sancticaroli (Diptera, Chironomidae) as a Sensitive Tropical Test Species in Laboratory Bioassays Evaluating Metals (Copper and Cadmium) and Field Testing. Archives of Environmental Contamination and Toxicology, 2019, 76, 42-50.	2.1	22
36	The use of gene expression to unravel the single and mixture toxicity of abamectin and difenoconazole on survival and reproduction of the springtail Folsomia candida. Environmental Pollution, 2019, 244, 342-350.	3.7	23

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37	Sensitivities of three tropical indigenous freshwater invertebrates to single and mixture exposures of diuron and carbofuran and their commercial formulations. Ecotoxicology, 2018, 27, 834-844.	1.1	29
38	Freshwater shrimps as sensitive test species for the risk assessment of pesticides in the tropics. Environmental Science and Pollution Research, 2018, 25, 13235-13243.	2.7	25
39	Acute and chronic toxicity of diuron and carbofuran to the neotropical cladoceran Ceriodaphnia silvestrii. Environmental Science and Pollution Research, 2018, 25, 13335-13346.	2.7	37
40	Aquatic community structure in Mediterranean edge-of-field waterbodies as explained by environmental factors and the presence of pesticide mixtures. Ecotoxicology, 2018, 27, 661-674.	1.1	8
41	General introduction and outline of the special issue â€œEmerging advances and challenges in pesticide ecotoxicologyâ€• Ecotoxicology, 2018, 27, 761-763.	1.1	1
42	Red disperse dyes (DR 60, DR 73 and DR 78) at environmentally realistic concentrations impact biochemical profile of early life stages of zebrafish (Danio rerio). Chemico-Biological Interactions, 2018, 292, 94-100.	1.7	25
43	Lethal and sublethal toxicity of abamectin and difenoconazole (individually and in mixture) to early life stages of zebrafish. Chemosphere, 2018, 210, 531-538.	4.2	28
44	Toxicity of abamectin and difenoconazole mixtures to a Neotropical cladoceran after simulated run-off and spray drift exposure. Aquatic Toxicology, 2017, 185, 58-66.	1.9	36
45	Survival and development of bullfrog tadpoles in microcosms treated with abamectin. Ecotoxicology, 2017, 26, 729-737.	1.1	4
46	Toxicity of environmentally realistic concentrations of chlorpyrifos and terbuthylazine in indoor microcosms. Chemosphere, 2017, 182, 348-355.	4.2	23
47	Ecological risk assessment of imidacloprid applied to experimental rice fields: Accurateness of the RICEWQ model and effects on ecosystem structure. Ecotoxicology and Environmental Safety, 2017, 142, 431-440.	2.9	9
48	Evaluation of FOCUS surface water pesticide concentration predictions and risk assessment of field-measured pesticide mixturesâ€"a crop-based approach under Mediterranean conditions. Environmental Science and Pollution Research, 2017, 24, 17394-17406.	2.7	13
49	Single and mixture toxicity of abamectin and difenoconazole to adult zebrafish (Danio rerio). Chemosphere, 2017, 188, 582-587.	4.2	47
50	Acute toxicity of zinc and arsenic to the warmwater aquatic oligochaete Branchiura sowerbyi as compared to its coldwater counterpart Tubifex tubifex (Annelida, Clitellata). Journal of Soils and Sediments, 2016, 16, 2766-2774.	1.5	17
51	Acute and chronic sensitivity, avoidance behavior and sensitive life stages of bullfrog tadpoles exposed to the biopesticide abamectin. Ecotoxicology, 2016, 25, 500-509.	1.1	37
52	The use of rotifers as test species in the aquatic effect assessment of pesticides in the tropics. Hydrobiologia, 2016, 773, 1-9.	1.0	16
53	Survival, morphology and reproduction of Eisenia andrei (Annelida, Oligochaeta) as affected by Vertimec Â® 18 EC (a.i. abamectin) in tests performed under tropical conditions. Applied Soil Ecology, 2016, 100, 18-26.	2.1	21
54	Impact of runoff water from an experimental agricultural field applied with VertimecÂ® 18EC (abamectin) on the survival, growth and gill morphology of zebrafish juveniles. Chemosphere, 2016, 144, 1408-1414.	4.2	45

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55	Aquatic risk assessment of priority and other river basin specific pesticides in surface waters of Mediterranean river basins. Chemosphere, 2015, 135, 394-402.	4.2	58
56	Toxicity of VertimecÂ® 18 EC (active ingredient abamectin) to the neotropical cladoceran Ceriodaphnia silvestrii. Chemosphere, 2015, 139, 558-564.	4.2	24
57	Predicting the aquatic risk of realistic pesticide mixtures to species assemblages in Portuguese river basins. Journal of Environmental Sciences, 2015, 31, 12-20.	3.2	28
58	The contribution of intraâ€•and interspecific tolerance variability to biodiversity changes along toxicity gradients. Ecology Letters, 2014, 17, 72-81.	3.0	28
59	Comparing ecotoxicological standards of plant protection products potentially toxic to groundwater life with their measured and modelled concentrations. Ecotoxicology and Environmental Safety, 2014, 102, 152-159.	2.9	4
60	Preliminary aquatic risk assessment of imidacloprid after application in an experimental rice plot. Ecotoxicology and Environmental Safety, 2013, 97, 78-85.	2.9	38
61	Conducting model ecosystem studies in tropical climate zones: Lessons learned from Thailand and way forward. Environmental Pollution, 2011, 159, 940-946.	3.7	15
62	Comparing the sensitivity of soil invertebrates to pesticides with that of Eisenia fetida. Chemosphere, 2011, 85, 1040-1047.	4.2	48
63	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.	2.7	18
64	Environmental Fate of Neonicotinoids and Classification of Their Potential Risks to Hypogean, Epygean, and Surface Water Ecosystems in Brazil. Human and Ecological Risk Assessment (HERA), 2011, 17, 981-995.	1.7	41
65	Direct and Indirect Effects of the Fungicide Carbendazim in Tropical Freshwater Microcosms. Archives of Environmental Contamination and Toxicology, 2010, 58, 315-324.	2.1	19
66	Implications of differences between temperate and tropical freshwater ecosystems for the ecological risk assessment of pesticides. Ecotoxicology, 2010, 19, 24-37.	1.1	153
67	Does the actual standard of 0.1Î¼g/L overestimate or underestimate the risk of plant protection products to groundwater ecosystems?. Ecotoxicology and Environmental Safety, 2010, 73, 750-756.	2.9	13
68	Comparison of fate and ecological effects of the herbicide linuron in freshwater model ecosystems between tropical and temperate regions. Ecotoxicology and Environmental Safety, 2009, 72, 424-433.	2.9	20
69	Ecological effects of the herbicide linuron in tropical freshwater microcosms. Ecotoxicology and Environmental Safety, 2009, 72, 410-423.	2.9	35
70	Sensitivity of macroinvertebrates to carbendazim under semi-field conditions in Thailand: Implications for the use of temperate toxicity data in a tropical risk assessment of fungicides. Chemosphere, 2009, 74, 1187-1194.	4.2	32
71	Impact of single and repeated applications of the insecticide chlorpyrifos on tropical freshwater plankton communities. Ecotoxicology, 2008, 17, 756-771.	1.1	26
72	Fate and effects of the insecticide chlorpyrifos in outdoor planktonâ€dominated microcosms in Thailand. Environmental Toxicology and Chemistry, 2008, 27, 2530-2538.	2.2	46

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73	Effects of Chlorpyrifos, Carbendazim, and Linuron on the Ecology of a Small Indoor Aquatic Microcosm. Archives of Environmental Contamination and Toxicology, 2007, 53, 22-35.	2.1	31
74	Influence of temperature on the toxicity of the elutriate from a pesticide contaminated soil to two cladoceran species. Ecotoxicology, 0, , .	1.1	0