Nina Cedergreen

List of Publications by Year
in descending order

115
papers

6,158
citations

66343
42
h-index

74163
75
g-index

119
all docs

119
docs citations

119
times ranked

6229
citing authors

#	Article	IF	Citations
1	Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic doseâ€“response framework. Toxicology and Applied Pharmacology, 2007, 222, 122-128.	2.8	631
2	Quantifying Synergy: A Systematic Review of Mixture Toxicity Studies within Environmental Toxicology. PLoS ONE, 2014, 9, e96580.	2.5	560
3	A review of independent action compared to concentration addition as reference models for mixtures of compounds with different molecular target sites. Environmental Toxicology and Chemistry, 2008, 27, 1621-1632.	4.3	272
4	Sources of nutrients to rooted submerged macrophytes growing in a nutrient-rich stream. Freshwater Biology, 2002, 47, 283-291.	2.4	202
5	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. EFSA Journal, 2019, 17, e05634.	1.8	201
6	IMPROVED EMPIRICAL MODELS DESCRIBING HORMESIS. Environmental Toxicology and Chemistry, 2005, 24, 3166.	4.3	179
7	The Occurrence of Hormesis in Plants and Algae. Dose-Response, 2007, 5, dose-response.0.	1.6	168
8	The toxicity of herbicides to non-target aquatic plants and algae: assessment of predictive factors and hazard. Pest Management Science, 2005, 61, 1152-1160.	3.4	138
9	Nitrogen uptake by the floating macrophyte Lemna minor. New Phytologist, 2002, 155, 285-292.	7.3	132
10	The legacy of pesticide pollution: An overlooked factor in current risk assessments of freshwater systems. Water Research, 2015, 84, 25-32.	11.3	130
11	Pesticide cocktails can interact synergistically on aquatic crustaceans. Environmental Science and Pollution Research, 2010, 17, 957-967.	5.3	114
12	Soil pH effects on the comparative toxicity of dissolved zinc, non-nano and nano ZnO to the earthworm<i>Eisenia fetida</i>. Nanotoxicology, 2014, 8, 559-572.	3.0	108
13	Is the growth stimulation by low doses of glyphosate sustained over time?. Environmental Pollution, 2008, 156, 1099-1104.	7.5	98
14	Herbicides can stimulate plant growth. Weed Research, 2008, 48, 429-438.	1.7	93
15	Hormesis in mixtures â€” Can it be predicted?. Science of the Total Environment, 2008, 404, 77-87.	8.0	87
16	Mixture toxicity of three toxicants with similar and dissimilar modes of action to Daphnia magna. Ecotoxicology and Environmental Safety, 2008, 69, 428-436.	6.0	85
17	Is prochloraz a potent synergist across aquatic species? A study on bacteria, daphnia, algae and higher plants. Aquatic Toxicology, 2006, 78, 243-252.	4.0	81
18	CAN THE CHOICE OF ENDPOINT LEAD TO CONTRADICTORY RESULTS OF MIXTURE-TOXICITY EXPERIMENTS?. Environmental Toxicology and Chemistry, 2005, 24, 1676.	4.3	80

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19	Can glyphosate stimulate photosynthesis?. Pesticide Biochemistry and Physiology, 2010, 96, 140-148.	3.6	79
20	Chemical stress can increase crop yield. Field Crops Research, 2009, 114, 54-57.	5.1	77
21	Herbicide hormesis â€" can it be useful in crop production?. Weed Research, 2011, 51, 321-332.	1.7	76
22	REPRODUCIBILITY OF BINARY-MIXTURE TOXICITY STUDIES. Environmental Toxicology and Chemistry, 2007, 26, 149.	4.3	75
23	Parthenin hormesis in plants depends on growth conditions. Environmental and Experimental Botany, 2010, 69, 293-301.	4.2	73
24	Relative potency in nonsimilar doseâ€"response curves. Weed Science, 2006, 54, 407-412.	1.5	70
25	An isobole-based statistical model and test for synergism/antagonism in binary mixture toxicity experiments. Environmental and Ecological Statistics, 2007, 14, 383-397.	3.5	70
26	Scientific Opinion on the state of the art of Toxicokinetic/Toxicodynamic (TKTD) effect models for regulatory risk assessment of pesticides for aquatic organisms. EFSA Journal, 2018, 16, e05377.	1.8	69
27	The influence of tomato processing on residues of organochlorine and organophosphate insecticides and their associated dietary risk. Science of the Total Environment, 2015, 527-528, 262-269.	8.0	67
28	Does the effect of herbicide pulse exposure on aquatic plants depend on Kow or mode of action?. Aquatic Toxicology, 2005, 71, 261-271.	4.0	66
29	Nitrate: An Environmental Endocrine Disruptor? A Review of Evidence and Research Needs. Environmental Science & Technology, 2018, 52, 3869-3887.	10.0	64
30	Combination effects of herbicides on plants and algae: do species and test systems matter?. Pest Management Science, 2007, 63, 282-295.	3.4	57
31	Modelling survival: exposure pattern, species sensitivity and uncertainty. Scientific Reports, 2016, 6, 29178.	3.3	56
32	Effects of a triazole fungicide and a pyrethroid insecticide on the decomposition of leaves in the presence or absence of macroinvertebrate shredders. Aquatic Toxicology, 2012, 118-119, 54-61.	4.0	54
33	Sensitivity of aquatic plants to the herbicide metsulfuron-methyl. Ecotoxicology and Environmental Safety, 2004, 57, 153-161.	6.0	52
34	Mixture effects of imidazole fungicides on cortisol and aldosterone secretion in human adrenocortical H295R cells. Toxicology, 2010, 275, 21-28.	4.2	51
35	The effects of epoxiconazole and Î±â€cypermethrin on <i>Daphnia magna</i> growth, reproduction, and offspring size. Environmental Toxicology and Chemistry, 2017, 36, 2155-2166.	4.3	51
36	Species-specific sensitivity of aquatic macrophytes towards two herbicide. Ecotoxicology and Environmental Safety, 2004, 58, 314-323.	6.0	50

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37	On the Use of Mixture Toxicity Assessment in REACH and the Water Framework Directive: A Review. Human and Ecological Risk Assessment (HERA), 2009, 15, 1257-1272.	3.4	50
38	Measuring cytochrome P450 activity in aquatic invertebrates: a critical evaluation of in vitro and in vivo methods. Ecotoxicology, 2016, 25, 419-430.	2.4	50
39	Nitrate reductase activity in roots and shoots of aquatic macrophytes. Aquatic Botany, 2003, 76, 203-212.	1.6	49
40	Pyrethroid effects on freshwater invertebrates: A meta-analysis of pulse exposures. Environmental Pollution, 2013, 182, 479-485.	7.5	47
41	Can the joint effect of ternary mixtures be predicted from binary mixture toxicity results?. Science of the Total Environment, 2012, 427-428, 229-237.	8.0	45
42	Synergy in microcosms with environmentally realistic concentrations of prochloraz and esfenvalerate. Aquatic Toxicology, 2011, 101, 412-422.	4.0	43
43	Synergy between prochloraz and esfenvalerate in Daphnia magna from acute and subchronic exposures in the laboratory and microcosms. Aquatic Toxicology, 2012, 110-111, 17-24.	4.0	43
44	Dynamic Modeling of Sublethal Mixture Toxicity in the Nematode <i>Caenorhabditis elegans</i>. Environmental Science & Technology, 2014, 48, 7026-7033.	10.0	43
45	The chronic effects of lignin-derived bisphenol and bisphenol A in Japanese medaka Oryzias latipes. Aquatic Toxicology, 2016, 170, 199-207.	4.0	43
46	Glyphosate uncouples gas exchange and chlorophyll fluorescence. Pest Management Science, 2010, 66, 536-542.	3.4	42
47	The synergistic potential of the azole fungicides prochloraz and propiconazole toward a short Î±-cypermethrin pulse increases over time in Daphnia magna. Aquatic Toxicology, 2015, 162, 94-101.	4.0	41
48	Degradation and ecotoxicity of the biomedical drug artemisinin in soil. Environmental Toxicology and Chemistry, 2009, 28, 701-710.	4.3	40
49	Organophosphorous insecticides as herbicide synergists on the green algae Pseudokirchneriella subcapitata and the aquatic plant Lemna minor. Ecotoxicology, 2008, 17, 29-35.	2.4	39
50	Biomedicine in the environment: Cyclotides constitute potent natural toxins in plants and soil bacteria. Environmental Toxicology and Chemistry, 2011, 30, 1190-1196.	4.3	39
51	Mechanistic Understanding of the Synergistic Potential of Azole Fungicides in the Aquatic Invertebrate <i>Gammarus pulex</i>. Environmental Science & Technology, 2017, 51, 12784-12795.	10.0	39
52	Combined effects of antifouling biocides on the growth of three marine microalgal species. Chemosphere, 2018, 209, 801-814.	8.2	37
53	Can Toxicokinetic and Toxicodynamic Modeling Be Used to Understand and Predict Synergistic Interactions between Chemicals?. Environmental Science & Technology, 2017, 51, 14379-14389.	10.0	36
54	Glyphosate spray drift in Coffea arabica â€“ Sensitivity of coffee plants and possible use of shikimic acid as a biomarker for glyphosate exposure. Pesticide Biochemistry and Physiology, 2014, 115, 15-22.	3.6	35

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55	Is mixture toxicity measured on a biomarker indicative of what happens on a population level? A study with Lemna minor. Ecotoxicology and Environmental Safety, 2007, 67, 323-332.	6.0	34
56	Biomarkers in Aquatic Plants: Selection and Utility. Reviews of Environmental Contamination and Toxicology, 2009, 198, 1-61.	1.3	34
57	Toxicity and risk of plant-produced alkaloids to Daphnia magna. Environmental Sciences Europe, 2021, 33, .	5.5	34
58	Light regulation of root and leaf NO 3 â˜' uptake and reduction in the floating macrophyte Lemna minor. New Phytologist, 2004, 161, 449-457.	7.3	32
59	Implications of sequence and timing of exposure for synergy between the pyrethroid insecticide alphaâ€cypermethrin and the entomopathogenic fungus <i>Beauveria bassiana</i>. Pest Management Science, 2018, 74, 2488-2495.	3.4	30
60	Where does the toxicity come from in saponin extract?. Chemosphere, 2018, 204, 243-250.	8.2	29
61	Determining lower threshold concentrations for synergistic effects. Aquatic Toxicology, 2017, 182, 79-90.	4.0	27
62	Plant Growth Is Stimulated by Tea-seed Extract: A New Natural Growth Regulator?. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 1848-1853.	1.0	27
63	What is the aquatic toxicity of saponin-rich plant extracts used as biopesticides?. Environmental Pollution, 2018, 236, 416-424.	7.5	26
64	Low temperatures enhance the toxicity of copper and cadmium to <i>Enchytraeus crypticus</i> through different mechanisms. Environmental Toxicology and Chemistry, 2013, 32, 2274-2283.	4.3	25
65	The synergistic potential of azole fungicides does not directly correlate to the inhibition of cytochrome P450 activity in aquatic invertebrates. Aquatic Toxicology, 2019, 207, 187-196.	4.0	25
66	Analysis of glyphosate and aminomethylphosphonic acid in leaves from Coffea arabica using high performance liquid chromatography with quadrupole mass spectrometry detection. Talanta, 2016, 146, 609-620.	5.5	24
67	Linking Morphology, Toxicokinetic, and Toxicodynamic Traits of Aquatic Invertebrates to Pyrethroid Sensitivity. Environmental Science & Technology, 2020, 54, 5687-5699.	10.0	24
68	Loss of artemisinin produced by Artemisia annua L. to the soil environment. Industrial Crops and Products, 2013, 43, 132-140.	5.2	23
69	Influence of rice field agrochemicals on the ecological status of a tropical stream. Science of the Total Environment, 2016, 542, 12-21.	8.0	22
70	Variable Temperature Stress in the Nematode Caenorhabditis elegans (Maupas) and Its Implications for Sensitivity to an Additional Chemical Stressor. PLoS ONE, 2016, 11, e0140277.	2.5	22
71	Toxicity and uptake of TRIâ€•and dibutyltin in <i>Daphnia magna</i> in the absence and presence of nanoâ€charcoal. Environmental Toxicology and Chemistry, 2011, 30, 2553-2561.	4.3	21
72	What causes the difference in synergistic potentials of propiconazole and prochloraz toward pyrethroids in Daphnia magna?. Aquatic Toxicology, 2016, 172, 95-102.	4.0	21

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73	Distribution and ecological impact of artemisinin derived from Artemisia annua L. in an agricultural ecosystem. Soil Biology and Biochemistry, 2013, 57, 164-172.	8.8	20
74	Mixture effects of dietary flavonoids on steroid hormone synthesis in the human adrenocortical H295R cell line. Food and Chemical Toxicology, 2010, 48, 3194-3200.	3.6	19
75	How does growth temperature affect cadmium toxicity measured on different life history traits in the soil nematode <i>Caenorhabditis elegans</i>?. Environmental Toxicology and Chemistry, 2012, 31, 787-793.	4.3	19
76	Enantioselective mixture toxicity of the azole fungicide imazalil with the insecticide Î±-cypermethrin in Chironomus riparius: Investigating the importance of toxicokinetics and enzyme interactions. Chemosphere, 2019, 225, 166-173.	8.2	17
77	Differences in life stage sensitivity of the beetle Tenebrio molitor towards a pyrethroid insecticide explained by stage-specific variations in uptake, elimination and activity of detoxifying enzymes. Pesticide Biochemistry and Physiology, 2020, 162, 113-121.	3.6	17
78	Activities of mixtures of soil-applied herbicides with different molecular targets. Pest Management Science, 2006, 62, 1092-1097.	3.4	16
79	Seasonal sensitivity of Gammarus pulex towards the pyrethroid cypermethrin. Chemosphere, 2018, 200, 632-640.	8.2	16
80	Grandmother's pesticide exposure revealed bi-generational effects in Daphnia magna. Aquatic Toxicology, 2021, 236, 105861.	4.0	16
81	Refined assessment and perspectives on the cumulative risk resulting from the dietary exposure to pesticide residues in the Danish population. Food and Chemical Toxicology, 2018, 111, 207-267.	3.6	15
82	Influence of pH, light cycle, and temperature on ecotoxicity of four sulfonylurea herbicides towards Lemna gibba. Ecotoxicology, 2013, 22, 33-41.	2.4	14
83	Measuring internal azole and pyrethroid pesticide concentrations in Daphnia magna using QuEChERS and GC-ECDâ€"method development with a focus on matrix effects. Analytical and Bioanalytical Chemistry, 2016, 408, 1055-1066.	3.7	14
84	<i>bmd</i>: an R package for benchmark dose estimation. PeerJ, 2020, 8, e10557.	2.0	14
85	Environmental monitoring and risk assessment in a tropical Costa Rican catchment under the influence of melon and watermelon crop pesticides. Environmental Pollution, 2021, 284, 117498.	7.5	13
86	Can the inhibition of cytochrome P450 in aquatic invertebrates due to azole fungicides be estimated with in silico and in vitro models and extrapolated between species?. Aquatic Toxicology, 2018, 201, 11-20.	4.0	12
87	Prediction of joint herbicide action by biomass and chlorophyll <i>a</i> fluorescence. Weed Research, 2011, 51, 23-32.	1.7	11
88	Mixture Genotoxicity of 2,4-Dichlorophenoxyacetic Acid, Acrylamide, and Maleic Hydrazide on Human Caco-2 Cells Assessed with Comet Assay. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 369-380.	2.3	11
89	The influence of nitrogen and phosphorous status on glyphosate hormesis in Lemna minor and Hordeum vulgare. European Journal of Agronomy, 2016, 73, 107-117.	4.1	11
90	Assessing interactions of binary mixtures of Penicillium mycotoxins (PMs) by using a bovine macrophage cell line (BoMacs). Toxicology and Applied Pharmacology, 2017, 318, 33-40.	2.8	11

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91	Suspended particles only marginally reduce pyrethroid toxicity to the freshwater invertebrate Gammarus pulex (L.) during pulse exposure. Ecotoxicology, 2016, 25, 510-520.	2.4	9
92	Glyphosate accumulation, translocation, and biological effects in Coffea arabica after single and multiple exposures. European Journal of Agronomy, 2016, 74, 133-143.	4.1	9
93	Management of beet rust in accordance with IPM principles. Crop Protection, 2018, 111, 6-16.	2.1	9
94	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
95	Can Organophosphates and Carbamates Cause Synergisms by Inhibiting Esterases Responsible for Biotransformation of Pyrethroids?. Environmental Science & Technology, 2021, 55, 1585-1593.	10.0	9
96	Predicting hormesis in mixtures. Integrated Environmental Assessment and Management, 2010, 6, 310-311.	2.9	8
97	Stability of saponin biopesticides: hydrolysis in aqueous solutions and lake waters. Environmental Sciences: Processes and Impacts, 2019, 21, 1204-1214.	3.5	8
98	Comparative assessment of the risks associated with use of manure and sewage sludge in Danish agriculture. Advances in Agronomy, 2020, 164, 289-334.	5.2	8
99	The importance of experimental time when assessing the effect of temperature on toxicity in poikilotherms. Environmental Toxicology and Chemistry, 2014, 33, 1363-1371.	4.3	7
100	Low Dose Effects of Pesticides in the Aquatic Environment. ACS Symposium Series, 2017, , 167-187.	0.5	7
101	Sediment Toxicity Testing for Prospective Risk Assessmentâ€"A New Framework and How to Establish It. Human and Ecological Risk Assessment (HERA), 2013, 19, 98-117.	3.4	5
102	The use of elements as a substitute for biomass in toxicokinetic studies in small organisms. Ecotoxicology, 2013, 22, 1509-1515.	2.4	5
103	Quantifying dietary exposure to pesticide residues using spraying journal data. Food and Chemical Toxicology, 2017, 105, 407-428.	3.6	5
104	Temperature-Dependent Toxicity of Artemisinin Toward the Macrophyte Lemna minor and the Algae Pseudokirchneriella subcapitata. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	4
105	Is nitrate an endocrine disruptor?. Integrated Environmental Assessment and Management, 2017, 13, 210-212.	2.9	4
106	Similar recovery time of microbial functions from fungicide stress across biogeographical regions. Scientific Reports, 2018, 8, 17021.	3.3	4
107	Timing of sub-lethal insecticide exposure determines parasite establishment success in an insect-helminth model. Parasitology, 2020, 147, 120-125.	1.5	4
108	A comparative study of acetylcholinesterase and general-esterase activity assays using different substrates, in vitro and in vivo exposures and model organisms. Ecotoxicology and Environmental Safety, 2020, 189, 109954.	6.0	4

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109	Long-term fertilization with urban and animal wastes enhances soil quality but introduces pharmaceuticals and personal care products. Agronomy for Sustainable Development, 2022, 42, 1.	5.3	4
110	A Random Effects Model for Binary Mixture Toxicity Experiments. Journal of Agricultural, Biological, and Environmental Statistics, 2010, 15, 562-577.	1.4	3
111	Single and mixture toxicity of selected pharmaceuticals to the aquatic macrophyte Lemna minor. Ecotoxicology, 2022, 31, 714-724.	2.4	3
112	Quantification of the activity of detoxifying enzymes in terrestrial invertebrates: Optimization, evaluation and use of in vitro and ex vivo methods. Methods in Ecology and Evolution, 2019, 10, 726-734.	5.2	2
113	Using TKTD Models in Combination with <i>In Vivo</i> Enzyme Inhibition Assays to Investigate the Mechanisms behind Synergistic Interactions across Two Species. Environmental Science & Technology, 2021, 55, 13990-13999.	10.0	2
114	A Nonmechanistic Parametric Modeling Approach for Benchmark Dose Estimation of Eventâ€Time Data. Risk Analysis, 2021, 41, 2081-2093.	2.7	1
115	Species sensitivity distribution of dichlorvos in surface water species. Sustainable Environment Research, 2022, 32, .	4.2	0