

# Claus Svendsen

## List of Publications by Citations

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148  
papers

8,737  
citations

47  
h-index

89  
g-index

157  
ext. papers

10,125  
ext. citations

6.5  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
148	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. <i>Science of the Total Environment</i> , <b>2017</b> , 586, 127-141	10.2	1226
147	Interactions between effects of environmental chemicals and natural stressors: a review. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 3746-62	10.2	519
146	Large microplastic particles in sediments of tributaries of the River Thames, UK - Abundance, sources and methods for effective quantification. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 114, 218-226	6.7	420
145	Significance testing of synergistic/antagonistic, dose level-dependent, or dose ratio-dependent effects in mixture dose-response analysis. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 2701-13	3.8	350
144	Metal-based nanoparticles in soil: fate, behavior, and effects on soil invertebrates. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 1679-92	3.8	301
143	Systems toxicology approaches for understanding the joint effects of environmental chemical mixtures. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 3725-34	10.2	170
142	Deriving soil critical limits for Cu, Zn, Cd, and Pb: a method based on free ion concentrations. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 3623-31	10.3	167
141	'Systems toxicology' approach identifies coordinated metabolic responses to copper in a terrestrial non-model invertebrate, the earthworm <i>Lumbricus rubellus</i> . <i>BMC Biology</i> , <b>2008</b> , 6, 25	7.3	152
140	An assessment of the fate, behaviour and environmental risk associated with sunscreen TiO <sub>2</sub> nanoparticles in UK field scenarios. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 2503-10	10.2	126
139	Neutral red retention by lysosomes from earthworm ( <i>Lumbricus rubellus</i> ) coelomocytes: A simple biomarker of exposure to soil copper. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 1801-1805	3.8	120
138	Environmental metabonomics: applying combination biomarker analysis in earthworms at a metal contaminated site. <i>Ecotoxicology</i> , <b>2004</b> , 13, 797-806	2.9	117
137	Relative sensitivity of life-cycle and biomarker responses in four earthworm species exposed to zinc. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 1800-1808	3.8	114
136	A metabolomics based approach to assessing the toxicity of the polyaromatic hydrocarbon pyrene to the earthworm <i>Lumbricus rubellus</i> . <i>Chemosphere</i> , <b>2008</b> , 71, 601-9	8.4	109
135	A review of lysosomal membrane stability measured by neutral red retention: is it a workable earthworm biomarker?. <i>Ecotoxicology and Environmental Safety</i> , <b>2004</b> , 57, 20-9	7	106
134	Metabonomic assessment of toxicity of 4-fluoroaniline, 3,5-difluoroaniline and 2-fluoro-4-methylaniline to the earthworm <i>Eisenia veneta</i> (rosa): Identification of new endogenous biomarkers. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1966-1972	3.8	104
133	Chronic toxicity of energetic compounds in soil determined using the earthworm ( <i>Eisenia andrei</i> ) reproduction test. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 1764-1773	3.8	103
132	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. <i>EFSA Journal</i> , <b>2019</b> , 17, e05634	2.3	100

131	Metabolic profiling detects early effects of environmental and lifestyle exposure to cadmium in a human population. <i>BMC Medicine</i> , <b>2012</b> , 10, 61	11.4	98
130	Soil pH effects on the comparative toxicity of dissolved zinc, non-nano and nano ZnO to the earthworm <i>Eisenia fetida</i> . <i>Nanotoxicology</i> , <b>2014</b> , 8, 559-72	5.3	94
129	Metabolic profile biomarkers of metal contamination in a sentinel terrestrial species are applicable across multiple sites. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 4458-64	10.3	93
128	Environmental release, fate and ecotoxicological effects of manufactured ceria nanomaterials. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 533-548	7.1	92
127	Transcriptome profiling of developmental and xenobiotic responses in a keystone soil animal, the oligochaete annelid <i>Lumbricus rubellus</i> . <i>BMC Genomics</i> , <b>2008</b> , 9, 266	4.5	90
126	Toxicological and biochemical responses of the earthworm <i>Lumbricus rubellus</i> to pyrene, a non-carcinogenic polycyclic aromatic hydrocarbon. <i>Chemosphere</i> , <b>2004</b> , 57, 1675-81	8.4	89
125	Toxicity of three binary mixtures to <i>Daphnia magna</i> : comparing chemical modes of action and deviations from conceptual models. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1716-26	3.8	88
124	Measuring and modelling mixture toxicity of imidacloprid and thiacloprid on <i>Caenorhabditis elegans</i> and <i>Eisenia fetida</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 71-79	7	84
123	Comparative chronic toxicity of nanoparticulate and ionic zinc to the earthworm <i>Eisenia veneta</i> in a soil matrix. <i>Environment International</i> , <b>2011</b> , 37, 1111-7	12.9	80
122	Short-term soil bioassays may not reveal the full toxicity potential for nanomaterials; bioavailability and toxicity of silver ions (AgNO <sub>3</sub> ) and silver nanoparticles to earthworm <i>Eisenia fetida</i> in long-term aged soils. <i>Environmental Pollution</i> , <b>2015</b> , 203, 191-198	9.3	77
121	Relevance and applicability of a simple earthworm biomarker of copper exposure. I. Links to ecological effects in a laboratory study with <i>Eisenia andrei</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>1997</b> , 36, 72-9	7	76
120	Earthworm species of the genus <i>Eisenia</i> can be phenotypically differentiated by metabolic profiling. <i>FEBS Letters</i> , <b>2002</b> , 521, 115-20	3.8	76
119	. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 1801	3.8	73
118	Microplastic particles reduce reproduction in the terrestrial worm <i>Enchytraeus crypticus</i> in a soil exposure. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113174	9.3	72
117	Comparative toxicity of pesticides and environmental contaminants in bees: Are honey bees a useful proxy for wild bee species?. <i>Science of the Total Environment</i> , <b>2017</b> , 578, 357-365	10.2	71
116	Effect of pH on metal speciation and resulting metal uptake and toxicity for earthworms. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 788-96	3.8	66
115	Towards a renewed research agenda in ecotoxicology. <i>Environmental Pollution</i> , <b>2012</b> , 160, 201-6	9.3	65
114	Critical Limits for Hg(II) in soils, derived from chronic toxicity data. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2465-71	9.3	65

113	Biological assessment of contaminated land using earthworm biomarkers in support of chemical analysis. <i>Science of the Total Environment</i> , <b>2004</b> , 330, 9-20	10.2	65
112	Metabolomic analysis of soil communities can be used for pollution assessment. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 61-4	3.8	64
111	Use of an earthworm lysosomal biomarker for the ecological assessment of pollution from an industrial plastics fire. <i>Applied Soil Ecology</i> , <b>1996</b> , 3, 99-107	5	64
110	Soil pH effects on the interactions between dissolved zinc, non-nano- and nano-ZnO with soil bacterial communities. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4120-8	5.1	63
109	<sup>1</sup> H NMR spectroscopic investigations of tissue metabolite biomarker response to Cu II exposure in terrestrial invertebrates: identification of free histidine as a novel biomarker of exposure to copper in earthworms. <i>Biomarkers</i> , <b>1997</b> , 2, 295-302	2.6	59
108	Responses of earthworms ( <i>Lumbricus rubellus</i> ) to copper and cadmium as determined by measurement of juvenile traits in a specifically designed test system. <i>Ecotoxicology and Environmental Safety</i> , <b>2004</b> , 57, 54-64	7	59
107	Metabolomics and its use in ecology. <i>Austral Ecology</i> , <b>2013</b> , 38, 713-720	1.5	53
106	Different routes, same pathways: Molecular mechanisms under silver ion and nanoparticle exposures in the soil sentinel <i>Eisenia fetida</i> . <i>Environmental Pollution</i> , <b>2015</b> , 205, 385-93	9.3	52
105	Earthworm responses to Cd and Cu under fluctuating environmental conditions: a comparison with results from laboratory exposures. <i>Environmental Pollution</i> , <b>2005</b> , 136, 443-52	9.3	52
104	Glutathione transferase (GST) as a candidate molecular-based biomarker for soil toxin exposure in the earthworm <i>Lumbricus rubellus</i> . <i>Environmental Pollution</i> , <b>2009</b> , 157, 2459-69	9.3	51
103	Metal effects on soil invertebrate feeding: measurements using the bait lamina method. <i>Ecotoxicology</i> , <b>2004</b> , 13, 807-16	2.9	49
102	Effect of soil organic matter content and pH on the toxicity of ZnO nanoparticles to <i>Folsomia candida</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 108, 9-15	7	48
101	Measurement and modeling of the toxicity of binary mixtures in the nematode <i>Caenorhabditis elegans</i> --a test of independent action. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 97-104	3.8	47
100	Acute toxicity of organic pesticides to <i>Daphnia magna</i> is unchanged by co-exposure to polystyrene microplastics. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 166, 26-34	7	47
99	Earthworm Uptake Routes and Rates of Ionic Zn and ZnO Nanoparticles at Realistic Concentrations, Traced Using Stable Isotope Labeling. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 412-9	10.3	46
98	Validation of metabolomics for toxic mechanism of action screening with the earthworm <i>Lumbricus rubellus</i> . <i>Metabolomics</i> , <b>2009</b> , 5, 72-83	4.7	46
97	Pedological characterisation of sites along a transect from a primary cadmium/lead/zinc smelting works. <i>Ecotoxicology</i> , <b>2004</b> , 13, 725-37	2.9	46
96	Multigenerational exposure to silver ions and silver nanoparticles reveals heightened sensitivity and epigenetic memory in <i>Caenorhabditis elegans</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	45

95	Uptake routes and toxicokinetics of silver nanoparticles and silver ions in the earthworm <i>Lumbricus rubellus</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 2263-70	3.8	43
94	Toxic interactions of different silver forms with freshwater green algae and cyanobacteria and their effects on mechanistic endpoints and the production of extracellular polymeric substances. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 396-408	7.1	42
93	Toxicity of cerium oxide nanoparticles to the earthworm <i>Eisenia fetida</i> : subtle effects. <i>Environmental Chemistry</i> , <b>2014</b> , 11, 268	3.2	42
92	Analytical approaches to support current understanding of exposure, uptake and distributions of engineered nanoparticles by aquatic and terrestrial organisms. <i>Ecotoxicology</i> , <b>2015</b> , 24, 239-61	2.9	42
91	A metabolomics based test of independent action and concentration addition using the earthworm <i>Lumbricus rubellus</i> . <i>Ecotoxicology</i> , <b>2012</b> , 21, 1436-47	2.9	42
90	Modelling the joint effects of a metal and a pesticide on reproduction and toxicokinetics in Lumbricid earthworms. <i>Environment International</i> , <b>2011</b> , 37, 663-70	12.9	42
89	Linking toxicant physiological mode of action with induced gene expression changes in <i>Caenorhabditis elegans</i> . <i>BMC Systems Biology</i> , <b>2010</b> , 4, 32	3.5	42
88	Hierarchical responses of soil invertebrates (earthworms) to toxic metal stress. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 5327-34	10.3	42
87	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for nanosafety assessment. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 583-602	6.8	41
86	Can the joint effect of ternary mixtures be predicted from binary mixture toxicity results?. <i>Science of the Total Environment</i> , <b>2012</b> , 427-428, 229-37	10.2	40
85	Quantifying copper and cadmium impacts on intrinsic rate of population increase in the terrestrial oligochaete <i>Lumbricus rubellus</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 1465-1472	3.8	40
84	The use of a lysosome assay for the rapid assessment of cellular stress from copper to the freshwater snail <i>Viviparus contectus</i> (Millet). <i>Marine Pollution Bulletin</i> , <b>1995</b> , 31, 139-142	6.7	40
83	Potential new method of mixture effects testing using metabolomics and <i>Caenorhabditis elegans</i> . <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 1446-53	5.6	39
82	Comparison of instantaneous rate of population increase and critical-effect estimates in <i>Folsomia candida</i> exposed to four toxicants. <i>Ecotoxicology and Environmental Safety</i> , <b>2004</b> , 57, 175-83	7	39
81	Similarity, independence, or interaction for binary mixture effects of nerve toxicants for the nematode <i>Caenorhabditis elegans</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1182-91	3.8	38
80	Comparing bee species responses to chemical mixtures: Common response patterns?. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176289	3.7	38
79	Complementary Imaging of Silver Nanoparticle Interactions with Green Algae: Dark-Field Microscopy, Electron Microscopy, and Nanoscale Secondary Ion Mass Spectrometry. <i>ACS Nano</i> , <b>2017</b> , 11, 10894-10902	16.7	37
78	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. <i>Nano Today</i> , <b>2020</b> , 35, 100941	17.9	37

77	Models for assessing engineered nanomaterial fate and behaviour in the aquatic environment. <i>Current Opinion in Environmental Sustainability</i> , <b>2019</b> , 36, 105-115	7.2	37
76	Relevance and applicability of a simple earthworm biomarker of copper exposure. II. Validation and applicability under field conditions in a mesocosm experiment with <i>Lumbricus rubellus</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>1997</b> , 36, 80-8	7	36
75	Comparative transcriptomic responses to chronic cadmium, fluoranthene, and atrazine exposure in <i>Lumbricus rubellus</i> . <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4208-14	10.3	35
74	Identification and Quantification of Microplastics in Potable Water and Their Sources within Water Treatment Works in England and Wales. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12326-12334	10.3	34
73	Key principles and operational practices for improved nanotechnology environmental exposure assessment. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 731-742	28.7	34
72	Investigating combined toxicity of binary mixtures in bees: Meta-analysis of laboratory tests, modelling, mechanistic basis and implications for risk assessment. <i>Environment International</i> , <b>2019</b> , 133, 105256	12.9	33
71	Toxicological, cellular and gene expression responses in earthworms exposed to copper and cadmium. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2004</b> , 138, 11-21	3.2	32
70	Hormesis depends upon the life-stage and duration of exposure: Examples for a pesticide and a nanomaterial. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 120, 117-23	7	31
69	A new medium for <i>Caenorhabditis elegans</i> toxicology and nanotoxicology studies designed to better reflect natural soil solution conditions. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 1711-7	3.8	31
68	Tools and rules for modelling uptake and bioaccumulation of nanomaterials in invertebrate organisms. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1985-2001	7.1	30
67	Sewage sludge treated with metal nanomaterials inhibits earthworm reproduction more strongly than sludge treated with metal metals in bulk/salt forms. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 78-88	7.1	29
66	Critical analysis of soil invertebrate biomarkers: a field case study in Avonmouth, UK. <i>Ecotoxicology</i> , <b>2004</b> , 13, 817-22	2.9	29
65	Explaining density-dependent regulation in earthworm populations using life-history analysis. <i>Oikos</i> , <b>2003</b> , 100, 89-95	4	29
64	Radical Cation of N,N-Dimethylpiperazine: Dramatic Structural Effects of Orbital Interactions through Bonds. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 3748-3757	16.4	29
63	Quality evaluation of human and environmental toxicity studies performed with nanomaterials using the GUIDEnano approach. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 381-397	7.1	29
62	Three-phase metal kinetics in terrestrial invertebrates exposed to high metal concentrations. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 3794-802	10.2	28
61	Evaluation of tissue and cellular biomarkers to assess 2,4,6-trinitrotoluene (TNT) exposure in earthworms: effects-based assessment in laboratory studies using <i>Eisenia andrei</i> . <i>Biomarkers</i> , <b>2002</b> , 7, 306-21	2.6	28
60	Toxicokinetics of Ag in the terrestrial isopod <i>Porcellionides pruinosus</i> exposed to Ag NPs and AgNO <sub>3</sub> via soil and food. <i>Ecotoxicology</i> , <b>2016</b> , 25, 267-78	2.9	27

59	Combined chemical (fluoranthene) and drought effects on <i>Lumbricus rubellus</i> demonstrate the applicability of the independent action model for multiple stressor assessment. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 629-36	3.8	27
58	Toxicokinetic studies reveal variability in earthworm pollutant handling. <i>Pedobiologia</i> , <b>2011</b> , 54, S217-S227		25
57	Earthworms produce phytochelatins in response to arsenic. <i>PLoS ONE</i> , <b>2013</b> , 8, e81271	3.7	23
56	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 13-36	7.1	23
55	Toxicogenomic responses of <i>Caenorhabditis elegans</i> to pristine and transformed zinc oxide nanoparticles. <i>Environmental Pollution</i> , <b>2019</b> , 247, 917-926	9.3	22
54	Modelling the effects of copper on soil organisms and processes using the free ion approach: towards a multi-species toxicity model. <i>Environmental Pollution</i> , <b>2013</b> , 178, 244-53	9.3	22
53	Effect of temperature and season on reproduction, neutral red retention and metallothionein responses of earthworms exposed to metals in field soils. <i>Environmental Pollution</i> , <b>2007</b> , 147, 83-93	9.3	22
52	Genomic mutations after multigenerational exposure of <i>Caenorhabditis elegans</i> to pristine and sulfidized silver nanoparticles. <i>Environmental Pollution</i> , <b>2019</b> , 254, 113078	9.3	21
51	. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1966	3.8	21
50	Predicting acute contact toxicity of organic binary mixtures in honey bees ( <i>A. mellifera</i> ) through innovative QSAR models. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135302	10.2	21
49	Semi-automated analysis of microplastics in complex wastewater samples. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115841	9.3	21
48	Low temperatures enhance the toxicity of copper and cadmium to <i>Enchytraeus crypticus</i> through different mechanisms. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 2274-83	3.8	20
47	Developing a critical load approach for national risk assessments of atmospheric metal deposition. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 883-90	3.8	20
46	Aging reduces the toxicity of pristine but not sulphidised silver nanoparticles to soil bacteria. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 2618-2630	7.1	20
45	Novel Multi-isotope Tracer Approach To Test ZnO Nanoparticle and Soluble Zn Bioavailability in Joint Soil Exposures. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12756-12763	10.3	19
44	Fractions affected and probabilistic risk assessment of Cu, Zn, Cd, and Pb in soils using the free ion approach. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 8533-40	10.3	19
43	Addressing Nanomaterial Immunosafety by Evaluating Innate Immunity across Living Species. <i>Small</i> , <b>2020</b> , 16, e2000598	11	18
42	Establishing principal soil quality parameters influencing earthworms in urban soils using bioassays. <i>Environmental Pollution</i> , <b>2005</b> , 133, 199-211	9.3	18

41	Closing the loop: A spatial analysis to link observed environmental damage to predicted heavy metal emissions. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 970-976	3.8	18
40	Comparisons of metabolic and physiological changes in rats following short term oral dosing with pesticides commonly found in food. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 59, 438-45	4.7	17
39	How does growth temperature affect cadmium toxicity measured on different life history traits in the soil nematode <i>Caenorhabditis elegans</i> ?. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 787-93	3.8	17
38	Great deeds or great risks? Scientists' social representations of nanotechnology. <i>Journal of Risk Research</i> , <b>2016</b> , 19, 760-779	4.2	16
37	CeO <sub>2</sub> nanoparticles induce no changes in phenanthrene toxicity to the soil organisms <i>Porcellionides pruinosus</i> and <i>Folsomia candida</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 113, 201-6	7	16
36	Variable Temperature Stress in the Nematode <i>Caenorhabditis elegans</i> (Maupas) and Its Implications for Sensitivity to an Additional Chemical Stressor. <i>PLoS ONE</i> , <b>2016</b> , 11, e0140277	3.7	16
35	Nested interactions in the combined toxicity of uranium and cadmium to the nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 118, 139-148	7	15
34	Assessment of a 2,4,6-trinitrotoluene-contaminated site using <i>Aporrectodea rosea</i> and <i>Eisenia andrei</i> in mesocosms. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2005</b> , 48, 56-67	3.2	15
33	Extending standard testing period in honeybees to predict lifespan impacts of pesticides and heavy metals using dynamic energy budget modelling. <i>Scientific Reports</i> , <b>2016</b> , 6, 37655	4.9	15
32	Metabonomic assessment of toxicity of 4-fluoroaniline, 3,5-difluoroaniline and 2-fluoro-4-methylaniline to the earthworm <i>Eisenia veneta</i> (Rosa): identification of new endogenous biomarkers. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1966-72	3.8	15
31	Influence of soil porewater properties on the fate and toxicity of silver nanoparticles to <i>Caenorhabditis elegans</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 2609-2618	3.8	12
30	Identifying biochemical phenotypic differences between cryptic species. <i>Biology Letters</i> , <b>2014</b> , 10,	3.6	12
29	Mixed messages from benthic microbial communities exposed to nanoparticulate and ionic silver: 3D structure picks up nano-specific effects, while EPS and traditional endpoints indicate a concentration-dependent impact of silver ions. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4218-34	5.1	11
28	Joint Toxicity of Cadmium and Ionizing Radiation on Zooplankton Carbon Incorporation, Growth and Mobility. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1527-35	10.3	11
27	Using problem formulation for fit-for-purpose pre-market environmental risk assessments of regulated stressors. <i>EFSA Journal</i> , <b>2019</b> , 17, e170708	2.3	11
26	ZnO nanoparticle interactions with phospholipid monolayers. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 404, 161-8	9.3	11
25	Outdoor and indoor cadmium distributions near an abandoned smelting works and their relations to human exposure. <i>Environmental Pollution</i> , <b>2011</b> , 159, 3425-32	9.3	11
24	Nanomaterials as Soil Pollutants <b>2018</b> , 161-190		11



23	. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 1764	3.8	10
22	The Effects of In Vivo Exposure to Copper Oxide Nanoparticles on the Gut Microbiome, Host Immunity, and Susceptibility to a Bacterial Infection in Earthworms. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	10
21	Combined Effects from $\square$ Radiation and Fluoranthene Exposure on Carbon Transfer from Phytoplankton to Zooplankton. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10624-31	10.3	9
20	Probing the immune responses to nanoparticles across environmental species. A perspective of the EU Horizon 2020 project PANDORA. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 3216-3232	7.1	9
19	Quantifying copper and cadmium impacts on intrinsic rate of population increase in the terrestrial oligochaete <i>Lumbricus rubellus</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 1465-72	3.8	8
18	How can we justify grouping of nanoforms for hazard assessment? Concepts and tools to quantify similarity.. <i>NanoImpact</i> , <b>2022</b> , 25, 100366	5.6	7
17	Earthworms ingest microplastic fibres and nanoplastics with effects on egestion rate and long-term retention. <i>Science of the Total Environment</i> , <b>2021</b> , 151022	10.2	7
16	The earthworm microbiome is resilient to exposure to biocidal metal nanoparticles. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115633	9.3	7
15	Comparison and evaluation of pesticide monitoring programs using a process-based mixture model. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 3113-3123	3.8	7
14	The importance of experimental time when assessing the effect of temperature on toxicity in poikilotherms. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1363-71	3.8	6
13	Chronic oral lethal and sub-lethal toxicities of different binary mixtures of pesticides and contaminants in bees ( <i>Apis mellifera</i> , <i>Osmia bicornis</i> and <i>Bombus terrestris</i> ). <i>EFSA Supporting Publications</i> , <b>2016</b> , 13, 1076E	1.1	6
12	A standardised bioassay method using a bench-top spray tower to evaluate entomopathogenic fungi for control of the greenhouse whitefly, <i>Trialeurodes vaporariorum</i> . <i>Pest Management Science</i> , <b>2020</b> , 76, 2513-2524	4.6	5
11	. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 1465	3.8	4
10	Relative sensitivity of life-cycle and biomarker responses in four earthworm species exposed to zinc <b>2000</b> , 19, 1800		3
9	A Simple Low-Cost Field Mesocosm for Ecotoxicological Studies on Earthworms. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1997</b> , 117, 31-40		2
8	Biological Methods for Assessing Potentially Contaminated Soils163-205		2
7	Refinement of the selection of physicochemical properties for grouping and read-across of nanoforms.. <i>NanoImpact</i> , <b>2022</b> , 25, 100375	5.6	2
6	Closing the loop: A spatial analysis to link observed environmental damage to predicted heavy metal emissions <b>2003</b> , 22, 970		2

5	The bioaccumulation testing strategy for manufactured nanomaterials: physico-chemical triggers and read across from earthworms in a meta-analysis. <i>Environmental Science: Nano</i> ,	7.1	1
4	Phenotypic responses in <i>Caenorhabditis elegans</i> following chronic low-level exposures to inorganic and organic compounds. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 920-930	3.8	1
3	Assessing the efficacy of antibiotic treatment to produce earthworms with a suppressed microbiome. <i>European Journal of Soil Biology</i> , <b>2022</b> , 108, 103366	2.9	0
2	A Kinetic Approach for Assessing the Uptake of Ag from Pristine and Sulfidized Ag Nanomaterials to Plants. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 1861-1872	3.8	0
1	Assessing the similarity of nanoforms based on the biodegradation of organic surface treatment chemicals.. <i>NanoImpact</i> , <b>2022</b> , 26, 100395	5.6	0