Claus Svendsen

List of Publications by Year
in descending order

153 papers	11,681 citations	30070 54 h-index	30087 103 g-index
157 all docs	157 docs citations	157 times ranked	10829 citing authors

#	Article	IF	Citations
1	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. Science of the Total Environment, 2017, 586, 127-141.	8.0	2,188
2	Large microplastic particles in sediments of tributaries of the River Thames, UK â€“ Abundance, sources and methods for effective quantification. Marine Pollution Bulletin, 2017, 114, 218-226.	5.0	651
3	Interactions between effects of environmental chemicals and natural stressors: A review. Science of the Total Environment, 2010, 408, 3746-3762.	8.0	621
4	SIGNIFICANCE TESTING OF SYNERGISTIC/ANTAGONISTIC, DOSE LEVELâ€“DEPENDENT, OR DOSE RATIOâ€“DEPENDENT EFFECTS IN MIXTURE DOSEâ€“RESPONSE ANALYSIS. Environmental Toxicology and Chemistry, 2005, 24, 2701.	4.3	400
5	Metalâ€based nanoparticles in soil: Fate, behavior, and effects on soil invertebrates. Environmental Toxicology and Chemistry, 2012, 31, 1679-1692.	4.3	355
6	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
7	Systems toxicology approaches for understanding the joint effects of environmental chemical mixtures. Science of the Total Environment, 2010, 408, 3725-3734.	8.0	198
8	Deriving Soil Critical Limits for Cu, Zn, Cd, and Pb:Â A Method Based on Free Ion Concentrations. Environmental Science & Technology, 2004, 38, 3623-3631.	10.0	188
9	'Systems toxicology' approach identifies coordinated metabolic responses to copper in a terrestrial non-model invertebrate, the earthworm Lumbricus rubellus. BMC Biology, 2008, 6, 25.	3.8	168
10	An assessment of the fate, behaviour and environmental risk associated with sunscreen TiO2 nanoparticles in UK field scenarios. Science of the Total Environment, 2011, 409, 2503-2510.	8.0	150
11	Microplastic particles reduce reproduction in the terrestrial worm Enchytraeus crypticus in a soil exposure. Environmental Pollution, 2019, 255, 113174.	7.5	150
12	Neutral red retention by lysosomes from earthworm (<i>Lumbricus rubellus</i>) coelomocytes: A simple biomarker of exposure to soil copper. Environmental Toxicology and Chemistry, 1996, 15, 1801-1805.	4.3	132
13	Environmental Metabonomics: Applying Combination Biomarker Analysis in Earthworms at a Metal Contaminated Site. Ecotoxicology, 2004, 13, 797-806.	2.4	128
14	A review of lysosomal membrane stability measured by neutral red retention: is it a workable earthworm biomarker?. Ecotoxicology and Environmental Safety, 2004, 57, 20-29.	6.0	126
15	Relative sensitivity of lifeâ€cycle and biomarker responses in four earthworm species exposed to zinc. Environmental Toxicology and Chemistry, 2000, 19, 1800-1808.	4.3	125
16	A metabolomics based approach to assessing the toxicity of the polyaromatic hydrocarbon pyrene to the earthworm Lumbricus rubellus. Chemosphere, 2008, 71, 601-609.	8.2	122
17	Metabolic profiling detects early effects of environmental and lifestyle exposure to cadmium in a human population. BMC Medicine, 2012, 10, 61.	5.5	121
18	Metabonomic assessment of toxicity of 4â€fluoroaniline, 3,5â€difluoroaniline and 2â€fluoroâ€4â€methylaniline to the earthworm<i>Eisenia veneta</i>(rosa): Identification of new endogenous biomarkers. Environmental Toxicology and Chemistry, 2002, 21, 1966-1972.	4.3	110

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19	Environmental release, fate and ecotoxicological effects of manufactured ceria nanomaterials. Environmental Science: Nano, 2014, 1, 533-548.	4.3	110
20	Chronic toxicity of energetic compounds in soil determined using the earthworm (<i>Eisenia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	4.3	109
21	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
22	Comparative toxicity of pesticides and environmental contaminants in bees: Are honey bees a useful proxy for wild bee species?. Science of the Total Environment, 2017, 578, 357-365.	8.0	106
23	Toxicity of three binary mixtures to <i>Daphnia magna:</i> Comparing chemical modes of action and deviations from conceptual models. Environmental Toxicology and Chemistry, 2010, 29, 1716-1726.	4.3	101
24	Toxicological and biochemical responses of the earthworm Lumbricus rubellus to pyrene, a non-carcinogenic polycyclic aromatic hydrocarbon. Chemosphere, 2004, 57, 1675-1681.	8.2	99
25	Measuring and modelling mixture toxicity of imidacloprid and thiacloprid on Caenorhabditis elegans and Eisenia fetida. Ecotoxicology and Environmental Safety, 2009, 72, 71-79.	6.0	98
26	Comparative chronic toxicity of nanoparticulate and ionic zinc to the earthworm Eisenia veneta in a soil matrix. Environment International, 2011, 37, 1111-1117.	10.0	97
27	Identification and Quantification of Microplastics in Potable Water and Their Sources within Water Treatment Works in England and Wales. Environmental Science & Technology, 2020, 54, 12326-12334.	10.0	97
28	Metabolic Profile Biomarkers of Metal Contamination in a Sentinel Terrestrial Species Are Applicable Across Multiple Sites. Environmental Science & Technology, 2007, 41, 4458-4464.	10.0	96
29	Transcriptome profiling of developmental and xenobiotic responses in a keystone soil animal, the oligochaete annelid Lumbricus rubellus. BMC Genomics, 2008, 9, 266.	2.8	93
30	Short-term soil bioassays may not reveal the full toxicity potential for nanomaterials; bioavailability and toxicity of silver ions (AgNO3) and silver nanoparticles to earthworm Eisenia fetida in long-term aged soils. Environmental Pollution, 2015, 203, 191-198.	7.5	93
31	Earthworm species of the genus Eisenia can be phenotypically differentiated by metabolic profiling. FEBS Letters, 2002, 521, 115-120.	2.8	89
32	Metabolomic analysis of soil communities can be used for pollution assessment. Environmental Toxicology and Chemistry, 2014, 33, 61-64.	4.3	89
33	Relevance and Applicability of a Simple Earthworm Biomarker of Copper Exposure. I. Links to Ecological Effects in a Laboratory Study withEisenia andrei. Ecotoxicology and Environmental Safety, 1997, 36, 72-79.	6.0	85
34	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. Nano Today, 2020, 35, 100941.	11.9	80
35	Metabolomics and its use in ecology. Austral Ecology, 2013, 38, 713-720.	1.5	79
36	Soil pH effects on the interactions between dissolved zinc, non-nano- and nano-ZnO with soil bacterial communities. Environmental Science and Pollution Research, 2016, 23, 4120-4128.	5.3	79

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37	Towards a renewed research agenda in ecotoxicology. Environmental Pollution, 2012, 160, 201-206.	7.5	78
38	NEUTRAL RED RETENTION BY LYSOSOMES FROM EARTHWORM (LUMBRICUS RUBELLUS) COELOMOCYTES: A SIMPLE BIOMARKER OF EXPOSURE TO SOIL COPPER. Environmental Toxicology and Chemistry, 1996, 15, 1801.	4.3	78
39	Acute toxicity of organic pesticides to Daphnia magna is unchanged by co-exposure to polystyrene microplastics. Ecotoxicology and Environmental Safety, 2018, 166, 26-34.	6.0	76
40	EFFECT OF pH ON METAL SPECIATION AND RESULTING METAL UPTAKE AND TOXICITY FOR EARTHWORMS. Environmental Toxicology and Chemistry, 2006, 25, 788.	4.3	74
41	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for in silico nanosafety assessment. Computational and Structural Biotechnology Journal, 2020, 18, 583-602.	4.1	74
42	Critical Limits for Hg(II) in soils, derived from chronic toxicity data. Environmental Pollution, 2010, 158, 2465-2471.	7.5	73
43	Semi-automated analysis of microplastics in complex wastewater samples. Environmental Pollution, 2021, 268, 115841.	7.5	72
44	1H 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. Biomarkers, 1997, 2, 295-302.	1.9	70
45	Biological assessment of contaminated land using earthworm biomarkers in support of chemical analysis. Science of the Total Environment, 2004, 330, 9-20.	8.0	70
46	Use of an earthworm lysosomal biomarker for the ecological assessment of pollution from an industrial plastics fire. Applied Soil Ecology, 1996, 3, 99-107.	4.3	69
47	Responses of earthworms (Lumbricus rubellus) to copper and cadmium as determined by measurement of juvenile traits in a specifically designed test system. Ecotoxicology and Environmental Safety, 2004, 57, 54-64.	6.0	66
48	Key principles and operational practices for improved nanotechnology environmental exposure assessment. Nature Nanotechnology, 2020, 15, 731-742.	31.5	66
49	Glutathione transferase (GST) as a candidate molecular-based biomarker for soil toxin exposure in the earthworm Lumbricus rubellus. Environmental Pollution, 2009, 157, 2459-2469.	7.5	65
50	Earthworms ingest microplastic fibres and nanoplastics with effects on egestion rate and long-term retention. Science of the Total Environment, 2022, 807, 151022.	8.0	62
51	Toxicity of cerium oxide nanoparticles to the earthworm Eisenia fetida: subtle effects. Environmental Chemistry, 2014, 11, 268.	1.5	60
52	Different routes, same pathways: Molecular mechanisms under silver ion and nanoparticle exposures in the soil sentinel Eisenia fetida. Environmental Pollution, 2015, 205, 385-393.	7.5	60
53	Metal Effects on Soil Invertebrate Feeding: Measurements Using the Bait Lamina Method. Ecotoxicology, 2004, 13, 807-816.	2.4	58
54	Effect of soil organic matter content and pH on the toxicity of ZnO nanoparticles to Folsomia candida. Ecotoxicology and Environmental Safety, 2014, 108, 9-15.	6.0	58

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55	Earthworm Uptake Routes and Rates of Ionic Zn and ZnO Nanoparticles at Realistic Concentrations, Traced Using Stable Isotope Labeling. Environmental Science & Technology, 2016, 50, 412-419.	10.0	57
56	Multigenerational exposure to silver ions and silver nanoparticles reveals heightened sensitivity and epigenetic memory in <i>Caenorhabditis elegans</i>. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152911.	2.6	54
57	Complementary Imaging of Silver Nanoparticle Interactions with Green Algae: Dark-Field Microscopy, Electron Microscopy, and Nanoscale Secondary Ion Mass Spectrometry. ACS Nano, 2017, 11, 10894-10902.	14.6	54
58	Investigating combined toxicity of binary mixtures in bees: Meta-analysis of laboratory tests, modelling, mechanistic basis and implications for risk assessment. Environment International, 2019, 133, 105256.	10.0	54
59	Models for assessing engineered nanomaterial fate and behaviour in the aquatic environment. Current Opinion in Environmental Sustainability, 2019, 36, 105-115.	6.3	54
60	Comparing bee species responses to chemical mixtures: Common response patterns?. PLoS ONE, 2017, 12, e0176289.	2.5	54
61	Pedological Characterisation of Sites Along a Transect from a Primary Cadmium/Lead/Zinc Smelting Works. Ecotoxicology, 2004, 13, 725-737.	2.4	53
62	Earthworm responses to Cd and Cu under fluctuating environmental conditions: a comparison with results from laboratory exposures. Environmental Pollution, 2005, 136, 443-452.	7.5	53
63	Measurement and modeling of the toxicity of binary mixtures in the nematode <i>Caenorhabditis elegans</i>â€”a test of independent action. Environmental Toxicology and Chemistry, 2009, 28, 97-104.	4.3	52
64	Uptake routes and toxicokinetics of silver nanoparticles and silver ions in the earthworm <i>Lumbricus rubellus</i>. Environmental Toxicology and Chemistry, 2015, 34, 2263-2270.	4.3	52
65	Modelling the joint effects of a metal and a pesticide on reproduction and toxicokinetics in Lumbricid earthworms. Environment International, 2011, 37, 663-670.	10.0	50
66	Hierarchical Responses of Soil Invertebrates (Earthworms) to Toxic Metal Stress. Environmental Science & Technology, 2005, 39, 5327-5334.	10.0	49
67	Analytical approaches to support current understanding of exposure, uptake and distributions of engineered nanoparticles by aquatic and terrestrial organisms. Ecotoxicology, 2015, 24, 239-261.	2.4	49
68	Validation of metabolomics for toxic mechanism of action screening with the earthworm Lumbricus rubellus. Metabolomics, 2009, 5, 72-83.	3.0	48
69	Potential New Method of Mixture Effects Testing Using Metabolomics and <i>Caenorhabditis elegans</i>. Journal of Proteome Research, 2012, 11, 1446-1453.	3.7	48
70	Quality evaluation of human and environmental toxicity studies performed with nanomaterials â€" the GUIDEnano approach. Environmental Science: Nano, 2018, 5, 381-397.	4.3	48
71	The use of a lysosome assay for the rapid assessment of cellular stress from copper to the freshwater snail Viviparus contectus (Millet). Marine Pollution Bulletin, 1995, 31, 139-142.	5.0	47
72	Linking toxicant physiological mode of action with induced gene expression changes in Caenorhabditis elegans. BMC Systems Biology, 2010, 4, 32.	3.0	46

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73	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
74	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. Environmental Science: Nano, 2016, 3, 396-408.	4.3	45
75	A metabolomics based test of independent action and concentration addition using the earthworm Lumbricus rubellus. Ecotoxicology, 2012, 21, 1436-1447.	2.4	44
76	Tools and rules for modelling uptake and bioaccumulation of nanomaterials in invertebrate organisms. Environmental Science: Nano, 2019, 6, 1985-2001.	4.3	43
77	Relevance and Applicability of a Simple Earthworm Biomarker of Copper Exposure. II. Validation and Applicability under Field Conditions in a Mesocosm Experiment withLumbricus rubellus. Ecotoxicology and Environmental Safety, 1997, 36, 80-88.	6.0	41
78	Comparison of instantaneous rate of population increase and critical-effect estimates in Folsomia candida exposed to four toxicants. Ecotoxicology and Environmental Safety, 2004, 57, 175-183.	6.0	41
79	Quantifying copper and cadmium impacts on intrinsic rate of population increase in the terrestrial oligochaete<i>Lumbricus rubellus</i>. Environmental Toxicology and Chemistry, 2003, 22, 1465-1472.	4.3	40
80	Toxicological, cellular and gene expression responses in earthworms exposed to copper and cadmium. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 138, 11-21.	2.6	39
81	Similarity, independence, or interaction for binary mixture effects of nerve toxicants for the nematode <i>Caenorhabditis elegans</i>. Environmental Toxicology and Chemistry, 2010, 29, 1182-1191.	4.3	39
82	Toxicokinetics of Ag in the terrestrial isopod Porcellionides pruinosus exposed to Ag NPs and AgNO3 via soil and food. Ecotoxicology, 2016, 25, 267-278.	2.4	38
83	Predicting acute contact toxicity of organic binary mixtures in honey bees (A. mellifera) through innovative QSAR models. Science of the Total Environment, 2020, 704, 135302.	8.0	38
84	Comparative Transcriptomic Responses to Chronic Cadmium, Fluoranthene, and Atrazine Exposure in Lumbricus rubellus. Environmental Science & Technology, 2008, 42, 4208-4214.	10.0	37
85	Addressing Nanomaterial Immunosafety by Evaluating Innate Immunity across Living Species. Small, 2020, 16, e2000598.	10.0	35
86	Modelling the effects of copper on soil organisms and processes using the free ion approach: Towards a multi-species toxicity model. Environmental Pollution, 2013, 178, 244-253.	7.5	34
87	Hormesis depends upon the life-stage and duration of exposure: Examples for a pesticide and a nanomaterial. Ecotoxicology and Environmental Safety, 2015, 120, 117-123.	6.0	34
88	Toxicogenomic responses of Caenorhabditis elegans to pristine and transformed zinc oxide nanoparticles. Environmental Pollution, 2019, 247, 917-926.	7.5	34
89	Explaining density-dependent regulation in earthworm populations using life-history analysis. Oikos, 2003, 100, 89-95.	2.7	33
90	A new medium for <i>Caenorhabditis elegans</i> toxicology and nanotoxicology studies designed to better reflect natural soil solution conditions. Environmental Toxicology and Chemistry, 2013, 32, 1711-1717.	4.3	33

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91	Sewage sludge treated with metal nanomaterials inhibits earthworm reproduction more strongly than sludge treated with metal metals in bulk/salt forms. Environmental Science: Nano, 2017, 4, 78-88.	4.3	33
92	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. Environmental Science: Nano, 2020, 7, 13-36.	4.3	32
93	Radical Cation ofN,N-Dimethylpiperazine:Â Dramatic Structural Effects of Orbital Interactions through Bonds. Journal of the American Chemical Society, 1998, 120, 3748-3757.	13.7	31
94	Critical Analysis of Soil Invertebrate Biomarkers: A Field Case Study in Avonmouth, UK. Ecotoxicology, 2004, 13, 817-822.	2.4	31
95	Toxicokinetic studies reveal variability in earthworm pollutant handling. Pedobiologia, 2011, 54, S217-S222.	1.2	31
96	Genomic mutations after multigenerational exposure of Caenorhabditis elegans to pristine and sulfidized silver nanoparticles. Environmental Pollution, 2019, 254, 113078.	7.5	31
97	Three-phase metal kinetics in terrestrial invertebrates exposed to high metal concentrations. Science of the Total Environment, 2010, 408, 3794-3802.	8.0	30
98	Evaluation of tissue and cellular biomarkers to assess 2,4,6-trinitrotoluene (TNT) exposure in earthworms: effects-based assessment in laboratory studies usingEisenia andrei. Biomarkers, 2002, 7, 306-321.	1.9	29
99	COMBINED CHEMICAL (FLUORANTHENE) AND DROUGHT EFFECTS ON LUMBRICUS RUBELLUS DEMONSTRATE THE APPLICABILITY OF THE INDEPENDENT ACTION MODEL FOR MULTIPLE STRESSOR ASSESSMENT. Environmental Toxicology and Chemistry, 2009, 28, 629.	4.3	29
100	Earthworms Produce phytochelatins in Response to Arsenic. PLoS ONE, 2013, 8, e81271.	2.5	28
101	Effect of temperature and season on reproduction, neutral red retention and metallothionein responses of earthworms exposed to metals in field soils. Environmental Pollution, 2007, 147, 83-93.	7.5	25
102	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
103	Aging reduces the toxicity of pristine but not sulphidised silver nanoparticles to soil bacteria. Environmental Science: Nano, 2018, 5, 2618-2630.	4.3	25
104	Extending standard testing period in honeybees to predict lifespan impacts of pesticides and heavy metals using dynamic energy budget modelling. Scientific Reports, 2016, 6, 37655.	3.3	24
105	The Effects of In Vivo Exposure to Copper Oxide Nanoparticles on the Gut Microbiome, Host Immunity, and Susceptibility to a Bacterial Infection in Earthworms. Nanomaterials, 2020, 10, 1337.	4.1	24
106	Fractions Affected and Probabilistic Risk Assessment of Cu, Zn, Cd, and Pb in Soils Using the Free Ion Approach. Environmental Science & Technology, 2005, 39, 8533-8540.	10.0	23
107	How can we justify grouping of nanoforms for hazard assessment? Concepts and tools to quantify similarity. NanoImpact, 2022, 25, 100366.	4.5	23
108	Closing the loop: A spatial analysis to link observed environmental damage to predicted heavy metal emissions. Environmental Toxicology and Chemistry, 2003, 22, 970-976.	4.3	22

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109	DEVELOPING A CRITICAL LOAD APPROACH FOR NATIONAL RISK ASSESSMENTS OF ATMOSPHERIC METAL DEPOSITION. Environmental Toxicology and Chemistry, 2006, 25, 883.	4.3	22
110	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
111	Novel Multi-isotope Tracer Approach To Test ZnO Nanoparticle and Soluble Zn Bioavailability in Joint Soil Exposures. Environmental Science & Technology, 2017, 51, 12756-12763.	10.0	21
112	METABONOMIC ASSESSMENT OF TOXICITY OF 4-FLUOROANILINE, 3,5-DIFLUOROANILINE AND 2-FLUORO-4-METHYLANILINE TO THE EARTHWORM EISENIA VENETA (ROSA): IDENTIFICATION OF NEW ENDOGENOUS BIOMARKERS. Environmental Toxicology and Chemistry, 2002, 21, 1966.	4.3	21
113	Establishing principal soil quality parameters influencing earthworms in urban soils using bioassays. Environmental Pollution, 2005, 133, 199-211.	7.5	20
114	Comparisons of metabolic and physiological changes in rats following short term oral dosing with pesticides commonly found in food. Food and Chemical Toxicology, 2013, 59, 438-445.	3.6	20
115	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
116	Great deeds or great risks? Scientistsâ€™ social representations of nanotechnology. Journal of Risk Research, 2016, 19, 760-779.	2.6	19
117	CeO2 nanoparticles induce no changes in phenanthrene toxicity to the soil organisms Porcellionides pruinosus and Folsomia candida. Ecotoxicology and Environmental Safety, 2015, 113, 201-206.	6.0	18
118	Nested interactions in the combined toxicity of uranium and cadmium to the nematode Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2015, 118, 139-148.	6.0	17
119	Probing the immune responses to nanoparticles across environmental species. A perspective of the EU Horizon 2020 project PANDORA. Environmental Science: Nano, 2020, 7, 3216-3232.	4.3	17
120	The earthworm microbiome is resilient to exposure to biocidal metal nanoparticles. Environmental Pollution, 2020, 267, 115633.	7.5	17
121	Assessment of a 2,4,6-Trinitrotolueneâ€“Contaminated Site Using Aporrectodea rosea and Eisenia andrei in Mesocosms. Archives of Environmental Contamination and Toxicology, 2004, 48, 56-67.	4.1	16
122	Metabonomic assessment of toxicity of 4-fluoroaniline, 3,5-difluoroaniline and 2-fluoro-4-methylaniline to the earthworm Eisenia veneta (Rosa): identification of new endogenous biomarkers. Environmental Toxicology and Chemistry, 2002, 21, 1966-72.	4.3	16
123	Joint Toxicity of Cadmium and Ionizing Radiation on Zooplankton Carbon Incorporation, Growth and Mobility. Environmental Science & Technology, 2016, 50, 1527-1535.	10.0	15
124	Using problem formulation for fitâ€forâ€purpose preâ€market environmental risk assessments of regulated stressors. EFSA Journal, 2019, 17, e170708.	1.8	15
125	CHRONIC TOXICITY OF ENERGETIC COMPOUNDS IN SOIL DETERMINED USING THE EARTHWORM (EISENIA) Tj ETQq1 1 0.784314 rgBT	4.3	15
126	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. Environmental Science and Pollution Research, 2016, 23, 4218-4234.	5.3	14

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127	Influence of soil porewater properties on the fate and toxicity of silver nanoparticles to <i>Caenorhabditis elegans</i>. Environmental Toxicology and Chemistry, 2018, 37, 2609-2618.	4.3	14
128	Outdoor and indoor cadmium distributions near an abandoned smelting works and their relations to human exposure. Environmental Pollution, 2011, 159, 3425-3432.	7.5	13
129	ZnO nanoparticle interactions with phospholipid monolayers. Journal of Colloid and Interface Science, 2013, 404, 161-168.	9.4	13
130	Identifying biochemical phenotypic differences between cryptic species. Biology Letters, 2014, 10, 20140615.	2.3	13
131	Chronic oral lethal and subâ€lethal toxicities of different binary mixtures of pesticides and contaminants in bees (Apis mellifera, Osmia bicornis and Bombus terrestris). EFSA Supporting Publications, 2016, 13, 1076E.	0.7	13
132	Nanomaterials as Soil Pollutants. , 2018, , 161-190.		13
133	Combined Effects from Î³ Radiation and Fluoranthene Exposure on Carbon Transfer from Phytoplankton to Zooplankton. Environmental Science & Technology, 2015, 49, 10624-10631.	10.0	10
134	A standardised bioassay method using a benchâ€top spray tower to evaluate entomopathogenic fungi for control of the greenhouse whitefly, <i>Trialeurodes vaporariorum</i>. Pest Management Science, 2020, 76, 2513-2524.	3.4	9
135	Comparison and evaluation of pesticide monitoring programs using a processâ€based mixture model. Environmental Toxicology and Chemistry, 2016, 35, 3113-3123.	4.3	8
136	Quantifying copper and cadmium impacts on intrinsic rate of population increase in the terrestrial oligochaete Lumbricus rubellus. Environmental Toxicology and Chemistry, 2003, 22, 1465-72.	4.3	8
137	A Simple Low-Cost Field Mesocosm for Ecotoxicological Studies on Earthworms. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1997, 117, 31-40.	0.5	7
138	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
139	The bioaccumulation testing strategy for nanomaterials: correlations with particle properties and a meta-analysis of <i>in vitro</i> fish alternatives to <i>in vivo</i> fish tests. Environmental Science: Nano, 2022, 9, 684-701.	4.3	7
140	Refinement of the selection of physicochemical properties for grouping and read-across of nanoforms. NanoImpact, 2022, 25, 100375.	4.5	6
141	Biological Methods for Assessing Potentially Contaminated Soils. , 0, , 163-205.		5
142	Phenotypic responses in <i>Caenorhabditis elegans</i> following chronic lowâ€level exposures to inorganic and organic compounds. Environmental Toxicology and Chemistry, 2018, 37, 920-930.	4.3	4
143	RELATIVE SENSITIVITY OF LIFE-CYCLE AND BIOMARKER RESPONSES IN FOUR EARTHWORM SPECIES EXPOSED TO ZINC. Environmental Toxicology and Chemistry, 2000, 19, 1800.	4.3	4
144	QUANTIFYING COPPER AND CADMIUM IMPACTS ON INTRINSIC RATE OF POPULATION INCREASE IN THE TERRESTRIAL OLIGOCHAETE LUMBRICUS RUBELLUS. Environmental Toxicology and Chemistry, 2003, 22, 1465.	4.3	4

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145	The bioaccumulation testing strategy for manufactured nanomaterials: physico-chemical triggers and read across from earthworms in a meta-analysis. Environmental Science: Nano, 2021, 8, 3167-3185.	4.3	4
146	Assessing the similarity of nanoforms based on the biodegradation of organic surface treatment chemicals. NanoImpact, 2022, 26, 100395.	4.5	4
147	A Kinetic Approach for Assessing the Uptake of Ag from Pristine and Sulfidized Ag Nanomaterials to Plants. Environmental Toxicology and Chemistry, 2021, 40, 1859-1870.	4.3	3
148	CLOSING THE LOOP: A SPATIAL ANALYSIS TO LINK OBSERVED ENVIRONMENTAL DAMAGE TO PREDICTED HEAVY METAL EMISSIONS. Environmental Toxicology and Chemistry, 2003, 22, 970.	4.3	2
149	Assessing the efficacy of antibiotic treatment to produce earthworms with a suppressed microbiome. European Journal of Soil Biology, 2022, 108, 103366.	3.2	2
150	Reproducibility of methods required to identify and characterize nanoforms of substances. NanoImpact, 2022, 27, 100410.	4.5	2
151	Steve Hopkin 1956â€“2006. Environmental Pollution, 2007, 147, iii-iv.	7.5	0
152	Lessons from mixture toxicity and multiple stressor effects. Complex responses in a changing world. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 154, S13.	1.8	0
153	Harmonised risk assessment for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals: a food and feed safety perspective. Toxicology Letters, 2018, 295, S37-S38.	0.8	0