

# Janeck James Scott-Fordsmand

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3477552/publications.pdf>

Version: 2024-02-01

130  
papers

4,571  
citations

87886

38  
h-index

133244

59  
g-index

136  
all docs

136  
docs citations

136  
times ranked

4246  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | EFFECTS OF PESTICIDES ON SOIL INVERTEBRATES IN LABORATORY STUDIES: A REVIEW AND ANALYSIS USING SPECIES SENSITIVITY DISTRIBUTIONS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2480.  | 4.3  | 165       |
| 2  | Effects of C <sub>60</sub> fullerene nanoparticles on soil bacteria and protozoans. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1895-1903.   | 4.3  | 160       |
| 3  | Limit-test toxicity screening of selected inorganic nanoparticles to the earthworm <i>Eisenia fetida</i> . <i>Ecotoxicology</i> , 2011, 20, 226-233.   | 2.4  | 152       |
| 4  | ITS-NANO - Prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. <i>Particle and Fibre Toxicology</i> , 2014, 11, 9.  | 6.2  | 124       |
| 5  | Grouping and Read-Across Approaches for Risk Assessment of Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 13415-13434.  | 2.6  | 122       |
| 6  | The toxicity testing of double-walled nanotubes-contaminated food to <i>Eisenia veneta</i> earthworms. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 616-619.  | 6.0  | 118       |
| 7  | Concern-driven integrated approaches to nanomaterial testing and assessment – report of the NanoSafety Cluster Working Group 10. <i>Nanotoxicology</i> , 2014, 8, 334-348.   | 3.0  | 118       |
| 8  | Regulatory ecotoxicity testing of nanomaterials – proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 1442-1447.             | 3.0  | 103       |
| 9  | Frameworks and tools for risk assessment of manufactured nanomaterials. <i>Environment International</i> , 2016, 95, 36-53.  | 10.0 | 97        |
| 10 | Earthworms and Humans in Vitro: Characterizing Evolutionarily Conserved Stress and Immune Responses to Silver Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4166-4173.  | 10.0 | 96        |
| 11 | Ecotoxicological and regulatory aspects of environmental sustainability of nanopesticides. <i>Journal of Hazardous Materials</i> , 2021, 404, 124148.  | 12.4 | 94        |
| 12 | Importance of contamination history for understanding toxicity of copper to earthworm <i>Eisenia fetida</i> (Oligochaeta: Annelida), using neutral retention assay. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1774-1780. | 4.3  | 89        |
| 13 | Biomarkers in Earthworms. <i>Reviews of Environmental Contamination and Toxicology</i> , 2000, 165, 117-159.   | 1.3  | 84        |
| 14 | EFFECTS OF PESTICIDES ON SOIL INVERTEBRATES IN MODEL ECOSYSTEM AND FIELD STUDIES: A REVIEW AND COMPARISON WITH LABORATORY TOXICITY DATA. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2490.                                 | 4.3  | 75        |
| 15 | Species Differences Take Shape at Nanoparticles: Protein Corona Made of the Native Repertoire Assists Cellular Interaction. <i>Environmental Science &amp; Technology</i> , 2013, 47, 14367-14375.                                       | 10.0 | 75        |
| 16 | Mechanisms of response to silver nanoparticles on <i>Enchytraeus albidus</i> (Oligochaeta): Survival, reproduction and gene expression profile. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 336-344.                          | 12.4 | 75        |
| 17 | Toxicity of copper nanoparticles and CuCl <sub>2</sub> salt to <i>Enchytraeus albidus</i> worms: Survival, reproduction and avoidance responses. <i>Environmental Pollution</i> , 2012, 164, 164-168.                                    | 7.5  | 71        |
| 18 | Effects of silver nanoparticles to soil invertebrates: Oxidative stress biomarkers in <i>Eisenia fetida</i> . <i>Environmental Pollution</i> , 2015, 199, 49-55.   | 7.5  | 69        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Effects of Ag nanomaterials (NM300K) and Ag salt (AgNO <sub>3</sub> ) can be discriminated in a full life cycle long term test with <i>Enchytraeus crypticus</i> . <i>Journal of Hazardous Materials</i> , 2016, 318, 608-614.   | 12.4 | 68        |
| 20 | Effects of pendimethalin at lower trophic levels—a review. <i>Ecotoxicology and Environmental Safety</i> , 2004, 57, 190-201.  | 6.0  | 66        |
| 21 | Toxicity of Nickel to the Earthworm and the Applicability of the Neutral Red Retention Assay. <i>Ecotoxicology</i> , 1998, 7, 291-295.   | 2.4  | 59        |
| 22 | Effect of Cu-nanoparticles versus one Cu-salt: Analysis of stress biomarkers response in <i>Enchytraeus albidus</i> (Oligochaeta). <i>Nanotoxicology</i> , 2012, 6, 134-143.   | 3.0  | 59        |
| 23 | A heavy metal monitoring-programme in Denmark. <i>Science of the Total Environment</i> , 1997, 207, 179-186.   | 8.0  | 55        |
| 24 | Time-course profiling of molecular stress responses to silver nanoparticles in the earthworm <i>Eisenia fetida</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 219-226.  | 6.0  | 54        |
| 25 | Predicted No Effect Concentration (PNEC) for triclosan to terrestrial species (invertebrates and) Tj ETQq1 1 0.784314 rgBT / Overlock 10<br>10.0 <sup>5</sup> 53   |      |           |
| 26 | Oxidative Stress Mechanisms Caused by Ag Nanoparticles (NM300K) are Different from Those of AgNO <sub>3</sub> : Effects in the Soil Invertebrate <i>Enchytraeus Crypticus</i> . <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 9589-9602.  | 2.6  | 53        |
| 27 | Effects of copper oxide nanomaterials (CuONMs) are life stage dependent — full life cycle in <i>Enchytraeus crypticus</i> . <i>Environmental Pollution</i> , 2017, 224, 117-124.   | 7.5  | 53        |
| 28 | Responses of <i>Folsomia fimetaria</i> (Collembola: Isotomidae) to copper under different soil copper contamination histories in relation to risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1297-1303.   | 4.3  | 49        |
| 29 | Cellular Energy Allocation to Assess the Impact of Nanomaterials on Soil Invertebrates (Enchytraeids): The Effect of Cu and Ag. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 6858-6878.  | 2.6  | 48        |
| 30 | Strategies for robust and accurate experimental approaches to quantify nanomaterial bioaccumulation across a broad range of organisms. <i>Environmental Science: Nano</i> , 2019, 6, 1619-1656.  | 4.3  | 48        |
| 31 | Changes in the tissue concentrations and contents of calcium, copper and zinc in the shore crab <i>Carcinus maenas</i> (L.) (Crustacea: Decapoda) during the moult cycle and following copper exposure during ecdysis. <i>Marine Environmental Research</i> , 1997, 44, 397-414. | 2.5  | 47        |
| 32 | Field effects of simazine at lower trophic levels—a review. <i>Science of the Total Environment</i> , 2002, 296, 117-137.  | 8.0  | 47        |
| 33 | The MARINA Risk Assessment Strategy: A Flexible Strategy for Efficient Information Collection and Risk Assessment of Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15007-15021.  | 2.6  | 46        |
| 34 | Ecotoxicity of the veterinary pharmaceutical ivermectin tested in a soil multi-species (SMS) system. <i>Environmental Pollution</i> , 2012, 171, 133-139.  | 7.5  | 43        |
| 35 | Cu-nanoparticles ecotoxicity — Explored and explained?. <i>Chemosphere</i> , 2015, 139, 240-245.   | 8.2  | 43        |
| 36 | Hazard assessment of nickel nanoparticles in soil — The use of a full life cycle test with <i>Enchytraeus crypticus</i> . <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2934-2941.   | 4.3  | 43        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Multigenerational effects of copper nanomaterials (CuONMs) are different of those of CuCl <sub>2</sub> : exposure in the soil invertebrate <i>Enchytraeus crypticus</i> . <i>Scientific Reports</i> , 2017, 7, 8457.  | 3.3  | 42        |
| 38 | Sub-lethal toxicity of the antiparasitic abamectin on earthworms and the application of neutral red retention time as a biomarker. <i>Chemosphere</i> , 2007, 68, 744-750.  | 8.2  | 40        |
| 39 | Toxicity of three biocides to springtails and earthworms in a soil multi-species (SMS) test system. <i>Soil Biology and Biochemistry</i> , 2014, 74, 115-126.   | 8.8  | 40        |
| 40 | Epigenetic effects of (nano)materials in environmental species – Cu case study in <i>Enchytraeus crypticus</i> . <i>Environment International</i> , 2020, 136, 105447.  | 10.0 | 39        |
| 41 | Effect of Cu-nanoparticles versus Cu-salt in <i>Enchytraeus albidus</i> (Oligochaeta): Differential gene expression through microarray analysis. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 219-227. | 2.6  | 38        |
| 42 | Ag Nanoparticles (Ag NM300K) in the Terrestrial Environment: Effects at Population and Cellular Level in <i>Folsomia candida</i> (Collembola). <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 12530-12542.            | 2.6  | 38        |
| 43 | EFFECTS OF EIGHT POLYCYCLIC AROMATIC COMPOUNDS ON THE SURVIVAL AND REPRODUCTION OF THE SPRINGTAIL <i>FOLSOMIA FIMETARIA</i> L. (COLLEMBOLA, ISOTOMIDAE). <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1332.                                    | 4.3  | 37        |
| 44 | Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1514-1524.  | 10.0 | 36        |
| 45 | The toxicity of copper contaminated soil using a gnotobiotic Soil Multi-species Test System (SMS). <i>Environment International</i> , 2008, 34, 524-530.  | 10.0 | 35        |
| 46 | Sublethal toxicity of copper to a soil-dwelling springtail ( <i>Folsomia fimetaria</i> ) (Collembola). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>  | 4.3  | 34        |
| 47 | Shorter lifetime of a soil invertebrate species when exposed to copper oxide nanoparticles in a full lifespan exposure test. <i>Scientific Reports</i> , 2017, 7, 1355.   | 3.3  | 34        |
| 48 | Environmental Risk Assessment Strategy for Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1251.  | 2.6  | 33        |
| 49 | A unified framework for nanosafety is needed. <i>Nano Today</i> , 2014, 9, 546-549.   | 11.9 | 32        |
| 50 | High-throughput transcriptomics reveals uniquely affected pathways: AgNPs, PVP-coated AgNPs and Ag NM300K case studies. <i>Environmental Science: Nano</i> , 2017, 4, 929-937.  | 4.3  | 32        |
| 51 | Critical Analysis of Soil Invertebrate Biomarkers: A Field Case Study in Avonmouth, UK. <i>Ecotoxicology</i> , 2004, 13, 817-822.   | 2.4  | 31        |
| 52 | Seasonal variation in heavy metal accumulation in subtropical population of the terrestrial isopod, <i>Porcellio laevis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 168-174.  | 6.0  | 30        |
| 53 | Parametrization of nanoparticles: development of full-particle nanodescriptors. <i>Nanoscale</i> , 2016, 8, 16243-16250.  | 5.6  | 30        |
| 54 | The influence of application form on the toxicity of nonylphenol to <i>Folsomia fimetaria</i> (Collembola). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>   | 8.0  | 29        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Earthworm avoidance of silver nanomaterials over time. <i>Environmental Pollution</i> , 2018, 239, 751-756.   | 7.5  | 29        |
| 56 | High-throughput transcriptomics: Insights into the pathways involved in (nano) nickel toxicity in a key invertebrate test species. <i>Environmental Pollution</i> , 2019, 245, 131-140.   | 7.5  | 29        |
| 57 | Toxicity of Nickel to a Soil-Dwelling Springtail, <i>Folsomia fimetaria</i> (Collembola: Isotomidae). <i>Ecotoxicology and Environmental Safety</i> , 1999, 43, 57-61.  | 6.0  | 28        |
| 58 | On the safety of nanoformulations to non-target soil invertebrates – an atrazine case study. <i>Environmental Science: Nano</i> , 2019, 6, 1950-1958.   | 4.3  | 28        |
| 59 | High-throughput tool to discriminate effects of NMs (Cu-NPs, Cu-nanowires, CuNO <sub>3</sub> , and) <i>Tj ETQq1 1.0,784314,rgBT /Over</i>   | 3.0  | 27        |
| 60 | The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. <i>Risk Analysis</i> , 2018, 38, 1321-1331.  | 2.7  | 27        |
| 61 | Effect of 10 different TiO <sub>2</sub> and ZrO <sub>2</sub> (nano)materials on the soil invertebrate <i>Enchytraeus crypticus</i> . <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2409-2416.                             | 4.3  | 26        |
| 62 | Nanosilver pathophysiology in earthworms: Transcriptional profiling of secretory proteins and the implication for the protein corona. <i>Nanotoxicology</i> , 2016, 10, 303-311.  | 3.0  | 26        |
| 63 | Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. <i>Materials</i> , 2020, 13, 4532.   | 2.9  | 26        |
| 64 | Energy Basal Levels and Allocation among Lipids, Proteins, and Carbohydrates in <i>Enchytraeus albidus</i> : Changes Related to Exposure to Cu Salt and Cu Nanoparticles. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 477-482. | 2.4  | 25        |
| 65 | Interactions of Soil Species Exposed to CuO NMs are Different From Cu Salt: A Multispecies Test. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4413-4421.   | 10.0 | 25        |
| 66 | Fate and Effect of Nano Tungsten Carbide Cobalt (WCCo) in the Soil Environment: Observing a Nanoparticle Specific Toxicity in <i>Enchytraeus crypticus</i> . <i>Environmental Science &amp; Technology</i> , 2018, 52, 11394-11401.   | 10.0 | 25        |
| 67 | Plastic pollution – A case study with <i>Enchytraeus crypticus</i> – From micro-to nanoplastics. <i>Environmental Pollution</i> , 2021, 271, 116363.  | 7.5  | 24        |
| 68 | Effect assessment of engineered nanoparticles in solid media – Current insight and the way forward. <i>Environmental Pollution</i> , 2016, 218, 1370-1375.  | 7.5  | 23        |
| 69 | Does long term low impact stress cause population extinction?. <i>Environmental Pollution</i> , 2017, 220, 1014-1023.   | 7.5  | 23        |
| 70 | Fe-Doped ZnO nanoparticle toxicity: assessment by a new generation of nanodescriptors. <i>Nanoscale</i> , 2018, 10, 21985-21993.  | 5.6  | 23        |
| 71 | Do Earthworms Mobilize Fixed Zinc from Ingested Soil?. <i>Environmental Science &amp; Technology</i> , 2004, 38, 3036-3039.   | 10.0 | 22        |
| 72 | Response of <i>Enchytraeus crypticus</i> worms to high metal levels in tropical soils polluted by copper smelting. <i>Journal of Geochemical Exploration</i> , 2014, 144, 427-432.  | 3.2  | 22        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 73 | Novel understanding of toxicity in a life cycle perspective – The mechanisms that lead to population effect – The case of Ag (nano)materials. <i>Environmental Pollution</i> , 2020, 262, 114277.                          | 7.5  | 22        |
| 74 | Suitability of lysosomal membrane stability in <i>Eisenia fetida</i> as biomarker of soil copper contamination. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 984-988.   | 6.0  | 21        |
| 75 | Nanomaterials to microplastics: Swings and roundabouts. <i>Nano Today</i> , 2017, 17, 7-10.  | 11.9 | 21        |
| 76 | Alternative test methods for (nano)materials hazards assessment: Challenges and recommendations for regulatory preparedness. <i>Nano Today</i> , 2021, 40, 101242.   | 11.9 | 21        |
| 77 | Toxicity of Nickel to Soil Organisms in Denmark. <i>Reviews of Environmental Contamination and Toxicology</i> , 1997, , 1-34.  | 1.3  | 20        |
| 78 | Responses of earthworms to repeated exposure to three biocides applied singly and as a mixture in an agricultural field. <i>Science of the Total Environment</i> , 2015, 505, 223-235.                                     | 8.0  | 20        |
| 79 | Dose-response curve modeling of excess mortality caused by two forms of stress. <i>Environmental and Ecological Statistics</i> , 2002, 9, 195-200.   | 3.5  | 19        |
| 80 | Speciation and solubility of copper along a soil contamination gradient. <i>Journal of Soils and Sediments</i> , 2015, 15, 1558-1570.  | 3.0  | 19        |
| 81 | Variation-preserving normalization unveils blind spots in gene expression profiling. <i>Scientific Reports</i> , 2017, 7, 42460.   | 3.3  | 19        |
| 82 | Interaction between density and Cu toxicity for <i>Enchytraeus crypticus</i> and <i>Eisenia fetida</i> reflecting field scenarios. <i>Science of the Total Environment</i> , 2011, 409, 3370-3374.                         | 8.0  | 18        |
| 83 | Interaction between density and Cu toxicity for <i>Enchytraeus crypticus</i> – Comparing first and second generation effects. <i>Science of the Total Environment</i> , 2013, 458-460, 361-366.                            | 8.0  | 18        |
| 84 | Silver (nano)materials cause genotoxicity in <i>Enchytraeus crypticus</i> , as determined by the comet assay. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 184-191.   | 4.3  | 18        |
| 85 | Effects of temperature and copper pollution on soil community – extreme temperature events can lead to community extinction. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2678-2685.                          | 4.3  | 17        |
| 86 | Mechanisms of (photo)toxicity of TiO <sub>2</sub> nanomaterials (NM103, NM104, NM105): using high-throughput gene expression in <i>Enchytraeus crypticus</i> . <i>Nanoscale</i> , 2018, 10, 21960-21970.                   | 5.6  | 17        |
| 87 | High-throughput gene expression in soil invertebrate embryos – Mechanisms of Cd toxicity in <i>Enchytraeus crypticus</i> . <i>Chemosphere</i> , 2018, 212, 87-94.  | 8.2  | 17        |
| 88 | Genetic Variation in the Enzyme Esterase, Bioaccumulation and Life History Traits in the Earthworm <i>Lumbricus Rubellus</i> from a Metal Contaminated Area, Avonmouth, England. <i>Ecotoxicology</i> , 2004, 13, 773-786. | 2.4  | 16        |
| 89 | Insuring nanotech requires effective risk communication. <i>Nature Nanotechnology</i> , 2017, 12, 717-719.   | 31.5 | 15        |
| 90 | Confirmatory assays for transient changes of omics in soil invertebrates – Copper materials in a multigenerational exposure. <i>Journal of Hazardous Materials</i> , 2021, 402, 123500.                                    | 12.4 | 15        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | IMPORTANCE OF CONTAMINATION HISTORY FOR UNDERSTANDING TOXICITY OF COPPER TO EARTHWORM EISENIA FETICA (OLIGOCHAETA: ANNELIDA), USING NEUTRAL-RED RETENTION ASSAY. Environmental Toxicology and Chemistry, 2000, 19, 1774. | 4.3 | 15        |
| 92  | Profiling transcriptomic response of Enchytraeus albidus to Cu and Ni: Comparison with Cd and Zn. Environmental Pollution, 2014, 186, 75-82.   | 7.5 | 14        |
| 93  | Development of ecosystems to climate change and the interaction with pollution—Unpredictable changes in community structures. Applied Soil Ecology, 2014, 75, 24-32.   | 4.3 | 14        |
| 94  | Selection of an optimal culture medium and the most responsive viability assay to assess AgNPs toxicity with primary cultures of Eisenia fetida coelomocytes. Ecotoxicology and Environmental Safety, 2019, 183, 109545. | 6.0 | 14        |
| 95  | Multimiomics assessment in Enchytraeus crypticus exposed to Ag nanomaterials (Ag NM300K) and ions (AgNO <sub>3</sub> ) —Metabolomics, proteomics (& transcriptomics). Environmental Pollution, 2021, 286, 117571.        | 7.5 | 14        |
| 96  | The Proteome of <i>Enchytraeus crypticus</i>—Exposure to CuO Nanomaterial and CuCl <sub>2</sub> —in Pursue of a Mechanistic Interpretation. Proteomics, 2018, 18, e1800091.  | 2.2 | 13        |
| 97  | Multigenerational exposure to cobalt (CoCl <sub>2</sub> ) and WCCo nanoparticles in <i>Enchytraeus crypticus</i>. Nanotoxicology, 2019, 13, 751-760.   | 3.0 | 13        |
| 98  | Multigenerational Exposure to WCCo Nanomaterials—Epigenetics in the Soil Invertebrate Enchytraeus crypticus. Nanomaterials, 2020, 10, 836.   | 4.1 | 13        |
| 99  | Nano-pesticides: the lunch-box principle—deadly goodies (semio-chemical functionalised) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 13.  | 9.1 | 13        |
| 100 | RESPONSES OF FOLSOMIA FIMETARIA (COLLEMBOLA: ISOTOMIDAE) TO COPPER UNDER DIFFERENT SOIL COPPER CONTAMINATION HISTORIES IN RELATION TO RISK ASSESSMENT. Environmental Toxicology and Chemistry, 2000, 19, 1297.           | 4.3 | 12        |
| 101 | The <i>Enchytraeus crypticus</i> stress metabolome — CuO NM case study. Nanotoxicology, 2018, 12, 766-780.   | 3.0 | 11        |
| 102 | Annelid genomes: Enchytraeus crypticus, a soil model for the innate (and primed) immune system. Lab Animal, 2021, 50, 285-294.   | 0.4 | 11        |
| 103 | Assessing the toxicity of safer by design CuO surface-modifications using terrestrial multispecies assays. Science of the Total Environment, 2019, 678, 457-465.   | 8.0 | 10        |
| 104 | The toxicity of silver nanomaterials (NM 300K) is reduced when combined with N-Acetylcysteine: Hazard assessment on Enchytraeus crypticus. Environmental Pollution, 2020, 256, 113484.                                   | 7.5 | 10        |
| 105 | Machine learning and materials modelling interpretation of <i>in vivo</i> toxicological response to TiO <sub>2</sub> nanoparticles library (UV and non-UV exposure). Nanoscale, 2021, 13, 14666-14678.                   | 5.6 | 10        |
| 106 | The way forward for risk assessment of nanomaterials in solid media. Environmental Pollution, 2016, 218, 1363-1364.  | 7.5 | 9         |
| 107 | Enchytraeus crypticus fitness: effect of density on a two-generation study. Ecotoxicology, 2017, 26, 570-575.  | 2.4 | 9         |
| 108 | Nanopharmaceuticals (Au-NPs) after use: Experiences with a complex higher tier test design simulating environmental fate and effect. Ecotoxicology and Environmental Safety, 2021, 227, 112949.                          | 6.0 | 9         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | Nanomaterials in ecotoxicology. <i>Integrated Environmental Assessment and Management</i> , 2008, 4, 126-128.   | 2.9  | 8         |
| 110 | Combined effect of temperature and copper pollution on soil bacterial community: Climate change and regional variation aspects. <i>Ecotoxicology and Environmental Safety</i> , 2015, 111, 153-159.   | 6.0  | 8         |
| 111 | Toxicity Testing of Silver Nanoparticles in Artificial and Natural Sediments Using the Benthic Organism <i>Lumbriculus variegatus</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 405-414.  | 4.1  | 8         |
| 112 | Cell In Vitro Testing with Soil Invertebrates—Challenges and Opportunities toward Modeling the Effect of Nanomaterials: A Surface-Modified CuO Case Study. <i>Nanomaterials</i> , 2019, 9, 1087.  | 4.1  | 8         |
| 113 | Toxicokinetics of Ag (nano)materials in the soil model <i>Enchytraeus crypticus</i> (Oligochaeta) – impact of aging and concentration. <i>Environmental Science: Nano</i> , 2021, 8, 2629-2640.   | 4.3  | 8         |
| 114 | Environmental fate and effect of biodegradable electro-spun scaffolds (biomaterial)-a case study. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 51.  | 3.6  | 7         |
| 115 | Identifying conserved UV exposure genes and mechanisms. <i>Scientific Reports</i> , 2018, 8, 8605.  | 3.3  | 7         |
| 116 | Developing an epigenetics model species - From blastula to mature adult, life cycle methylation profile of <i>Enchytraeus crypticus</i> (Oligochaete). <i>Science of the Total Environment</i> , 2020, 732, 139079.   | 8.0  | 7         |
| 117 | An Integrated Data-Driven Strategy for Safe-by-Design Nanoparticles: The FP7 MODERN Project. <i>Advances in Experimental Medicine and Biology</i> , 2017, 947, 257-301.   | 1.6  | 6         |
| 118 | Implementing the DF4 in a robust model, allowing for enhanced comparison, prioritisation and grouping of Nanomaterials. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 92, 207-212.  | 2.7  | 6         |
| 119 | Bridging international approaches on nanoEHS. <i>Nature Nanotechnology</i> , 2021, 16, 608-611.   | 31.5 | 6         |
| 120 | Embryotoxicity of silver nanomaterials (Ag NM300k) in the soil invertebrate <i>Enchytraeus crypticus</i> – Functional assay detects Ca channels shutdown. <i>NanoImpact</i> , 2021, 21, 100300.   | 4.5  | 5         |
| 121 | SUBLETHAL TOXICITY OF COPPER TO A SOIL-DWELLING SPRINGTAIL ( <i>FOLSOMIA FIMETARIA</i> ) (COLLEMBOLA:) <i>Tj ETox</i> 11 0.784314 r 4.3 5   | 4.3  | 5         |
| 122 | High-throughput transcriptomics reveals the mechanisms of nanopesticides – nanoformulation, commercial formulation, active ingredient – finding safe and sustainable-by-design (SSbD) options for the environment. <i>Environmental Science: Nano</i> , 2022, 9, 2182-2194.               | 4.3  | 5         |
| 123 | The influence of starvation and copper exposure on the composition of the dorsal carapace and distribution of trace metals in the shore crab <i>Carcinus maenas</i> (L.). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1993, 106, 537-543. | 0.5  | 4         |
| 124 | UNCERTAINTY ANALYSIS OF SINGLE-CONCENTRATION EXPOSURE DATA FOR RISK ASSESSMENT – INTRODUCING THE SPECIES EFFECT DISTRIBUTION APPROACH. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 3078.  | 4.3  | 4         |
| 125 | Risk Assessment of Engineered Nanomaterials. , 2014, , 459-478.   |      | 3         |
| 126 | Impacts of Longer-Term Exposure to AuNPs on Two Soil Ecotoxicological Model Species. <i>Toxics</i> , 2022, 10, 153.   | 3.7  | 3         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Reactive Oxygen Species Detection Using Fluorescence in <i>Enchytraeus crypticus</i> – Method Implementation through Ag NM300K Case Study. <i>Toxics</i> , 2021, 9, 232.       | 3.7 | 2         |
| 128 | Full life cycle test with <i>Eisenia fetida</i> - copper oxide NM toxicity assessment. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113720.                      | 6.0 | 2         |
| 129 | The Curious Case of Earthworms and COVID-19. <i>Biology</i> , 2021, 10, 1043.  | 2.8 | 1         |
| 130 | Risk of five polycyclic aromatic hydrocarbons in a terrestrial environment: Influence of data variability. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 995-1003. | 4.3 | 0         |