Janeck James Scott-Fordsmand

List of Publications by Year
in descending order

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130 papers	4,571 citations	87888 38 h-index	133252 59 g-index
136 all docs	136 docs citations	136 times ranked	4246 citing authors

#	Article	IF	Citations
1	Nano-pesticides: the lunch-box principleâ€"deadly goodies (semio-chemical functionalised) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 13.	9.1	13
2	Impacts of Longer-Term Exposure to AuNPs on Two Soil Ecotoxicological Model Species. Toxics, 2022, 10, 153.	3.7	3
3	High-throughput transcriptomics reveals the mechanisms of nanopesticides â€“ nanoformulation, commercial formulation, active ingredient â€“ finding safe and sustainable-by-design (SSbD) options for the environment. Environmental Science: Nano, 2022, 9, 2182-2194.	4.3	5
4	Full life cycle test with Eisenia fetida - copper oxide NM toxicity assessment. Ecotoxicology and Environmental Safety, 2022, 241, 113720.	6.0	2
5	Confirmatory assays for transient changes of omics in soil invertebrates â€“ Copper materials in a multigenerational exposure. Journal of Hazardous Materials, 2021, 402, 123500.	12.4	15
6	Ecotoxicological and regulatory aspects of environmental sustainability of nanopesticides. Journal of Hazardous Materials, 2021, 404, 124148.	12.4	94
7	Machine learning and materials modelling interpretation of in vivo toxicological response to TiO₂ nanoparticles library (UV and non-UV exposure). Nanoscale, 2021, 13, 14666-14678.	5.6	10
8	Toxicokinetics of Ag (nano)materials in the soil model Enchytraeus crypticus (Oligochaeta) â€“ impact of aging and concentration. Environmental Science: Nano, 2021, 8, 2629-2640.	4.3	8
9	Embryotoxicity of silver nanomaterials (Ag NM300k) in the soil invertebrate Enchytraeus crypticus â€“ Functional assay detects Ca channels shutdown. NanoImpact, 2021, 21, 100300.	4.5	5
10	Plastic pollution â€“ A case study with Enchytraeus crypticus â€“ From micro-to nanoplastics. Environmental Pollution, 2021, 271, 116363.	7.5	24
11	Bridging international approaches on nanoEHS. Nature Nanotechnology, 2021, 16, 608-611.	31.5	6
12	Reactive Oxygen Species Detection Using Fluorescence in Enchytraeus crypticusâ€"Method Implementation through Ag NM300K Case Study. Toxics, 2021, 9, 232.	3.7	2
13	Annelid genomes: Enchytraeus crypticus, a soil model for the innate (and primed) immune system. Lab Animal, 2021, 50, 285-294.	0.4	11
14	Alternative test methods for (nano)materials hazards assessment: Challenges and recommendations for regulatory preparedness. Nano Today, 2021, 40, 101242.	11.9	21
15	Multiomics assessment in Enchytraeus crypticus exposed to Ag nanomaterials (Ag NM300K) and ions (AgNO3) â€“ Metabolomics, proteomics (& transcriptomics). Environmental Pollution, 2021, 286, 117571.	7.5	14
16	The Curious Case of Earthworms and COVID-19. Biology, 2021, 10, 1043.	2.8	1
17	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
18	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

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19	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. Materials, 2020, 13, 4532.	2.9	26
20	Developing an epigenetics model species - From blastula to mature adult, life cycle methylation profile of Enchytraeus crypticus (Oligochaete). Science of the Total Environment, 2020, 732, 139079.	8.0	7
21	Multigenerational Exposure to WCCo Nanomaterialsâ€"Epigenetics in the Soil Invertebrate Enchytraeus crypticus. Nanomaterials, 2020, 10, 836.	4.1	13
22	Epigenetic effects of (nano)materials in environmental species â€“ Cu case study in Enchytraeus crypticus. Environment International, 2020, 136, 105447.	10.0	39
23	Novel understanding of toxicity in a life cycle perspective â€“ The mechanisms that lead to population effect â€“ The case of Ag (nano)materials. Environmental Pollution, 2020, 262, 114277.	7.5	22
24	Cell In Vitro Testing with Soil Invertebratesâ€"Challenges and Opportunities toward Modeling the Effect of Nanomaterials: A Surface-Modified CuO Case Study. Nanomaterials, 2019, 9, 1087.	4.1	8
25	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
26	On the safety of nanoformulations to non-target soil invertebrates â€“ an atrazine case study. Environmental Science: Nano, 2019, 6, 1950-1958.	4.3	28
27	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
28	Strategies for robust and accurate experimental approaches to quantify nanomaterial bioaccumulation across a broad range of organisms. Environmental Science: Nano, 2019, 6, 1619-1656.	4.3	48
29	Multigenerational exposure to cobalt (CoCl₂) and WCCo nanoparticles in Enchytraeus crypticus. Nanotoxicology, 2019, 13, 751-760.	3.0	13
30	High-throughput transcriptomics: Insights into the pathways involved in (nano) nickel toxicity in a key invertebrate test species. Environmental Pollution, 2019, 245, 131-140.	7.5	29
31	High-throughput tool to discriminate effects of NMs (Cu-NPs, Cu-nanowires, CuNO₃, and) Tj ETQq1 1 0.784314 rgBT /O	3.0	27
32	Interactions of Soil Species Exposed to CuO NMs are Different From Cu Salt: A Multispecies Test. Environmental Science & Technology, 2018, 52, 4413-4421.	10.0	25
33	Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. Environmental Science & Technology, 2018, 52, 1514-1524.	10.0	36
34	Implementing the DF4 in a robust model, allowing for enhanced comparison, prioritisation and grouping of Nanomaterials. Regulatory Toxicology and Pharmacology, 2018, 92, 207-212.	2.7	6
35	Environmental fate and effect of biodegradable electro-spun scaffolds (biomaterial)-a case study. Journal of Materials Science: Materials in Medicine, 2018, 29, 51.	3.6	7
36	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. Risk Analysis, 2018, 38, 1321-1331.	2.7	27

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37	Silver (nano)materials cause genotoxicity in Enchytraeus crypticus , as determined by the comet assay. Environmental Toxicology and Chemistry, 2018, 37, 184-191.	4.3	18
38	Mechanisms of (photo)toxicity of TiO₂ nanomaterials (NM103, NM104, NM105): using high-throughput gene expression in Enchytraeus crypticus. Nanoscale, 2018, 10, 21960-21970.	5.6	17
39	Fe-Doped ZnO nanoparticle toxicity: assessment by a new generation of nanodescriptors. Nanoscale, 2018, 10, 21985-21993.	5.6	23
40	Fate and Effect of Nano Tungsten Carbide Cobalt (WCCo) in the Soil Environment: Observing a Nanoparticle Specific Toxicity in Enchytraeus crypticus. Environmental Science & Technology, 2018, 52, 11394-11401.	10.0	25
41	Identifying conserved UV exposure genes and mechanisms. Scientific Reports, 2018, 8, 8605.	3.3	7
42	The Enchytraeus crypticus stress metabolome â€“ CuO NM case study. Nanotoxicology, 2018, 12, 766-780.	3.0	11
43	Earthworm avoidance of silver nanomaterials over time. Environmental Pollution, 2018, 239, 751-756.	7.5	29
44	The Proteome of Enchytraeus crypticusâ€”Exposure to CuO Nanomaterial and CuCl₂â€”in Pursue of a Mechanistic Interpretation. Proteomics, 2018, 18, e1800091.	2.2	13
45	High-throughput gene expression in soil invertebrate embryos â€“ Mechanisms of Cd toxicity in Enchytraeus crypticus. Chemosphere, 2018, 212, 87-94.	8.2	17
46	Effects of copper oxide nanomaterials (CuONMs) are life stage dependent â€“ full life cycle in Enchytraeus crypticus. Environmental Pollution, 2017, 224, 117-124.	7.5	53
47	Enchytraeus crypticus fitness: effect of density on a two-generation study. Ecotoxicology, 2017, 26, 570-575.	2.4	9
48	High-throughput transcriptomics reveals uniquely affected pathways: AgNPs, PVP-coated AgNPs and Ag NM300K case studies. Environmental Science: Nano, 2017, 4, 929-937.	4.3	32
49	An Integrated Data-Driven Strategy for Safe-by-Design Nanoparticles: The FP7 MODERN Project. Advances in Experimental Medicine and Biology, 2017, 947, 257-301.	1.6	6
50	Multigenerational effects of copper nanomaterials (CuONMs) are different of those of CuCl2: exposure in the soil invertebrate Enchytraeus crypticus. Scientific Reports, 2017, 7, 8457.	3.3	42
51	Nanomaterials to microplastics: Swings and roundabouts. Nano Today, 2017, 17, 7-10.	11.9	21
52	Insuring nanotech requires effective risk communication. Nature Nanotechnology, 2017, 12, 717-719.	31.5	15
53	Variation-preserving normalization unveils blind spots in gene expression profiling. Scientific Reports, 2017, 7, 42460.	3.3	19
54	Hazard assessment of nickel nanoparticles in soilâ€”The use of a full life cycle test with Enchytraeus crypticus. Environmental Toxicology and Chemistry, 2017, 36, 2934-2941.	4.3	43

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55	Shorter lifetime of a soil invertebrate species when exposed to copper oxide nanoparticles in a full lifespan exposure test. Scientific Reports, 2017, 7, 1355.	3.3	34
56	Does long term low impact stress cause population extinction?. Environmental Pollution, 2017, 220, 1014-1023.	7.5	23
57	Environmental Risk Assessment Strategy for Nanomaterials. International Journal of Environmental Research and Public Health, 2017, 14, 1251.	2.6	33
58	Frameworks and tools for risk assessment of manufactured nanomaterials. Environment International, 2016, 95, 36-53.	10.0	97
59	Regulatory ecotoxicity testing of nanomaterials â€“ proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. Nanotoxicology, 2016, 10, 1442-1447.	3.0	103
60	Parametrization of nanoparticles: development of full-particle nanodescriptors. Nanoscale, 2016, 8, 16243-16250.	5.6	30
61	Effects of Ag nanomaterials (NM300K) and Ag salt (AgNO3) can be discriminated in a full life cycle long term test with Enchytraeus crypticus. Journal of Hazardous Materials, 2016, 318, 608-614.	12.4	68
62	Toxicity Testing of Silver Nanoparticles in Artificial and Natural Sediments Using the Benthic Organism Lumbriculus variegatus. Archives of Environmental Contamination and Toxicology, 2016, 71, 405-414.	4.1	8
63	The way forward for risk assessment of nanomaterials in solid media. Environmental Pollution, 2016, 218, 1363-1364.	7.5	9
64	Effect assessment of engineered nanoparticles in solid media â€“ Current insight and the way forward. Environmental Pollution, 2016, 218, 1370-1375.	7.5	23
65	Nanosilver pathophysiology in earthworms: Transcriptional profiling of secretory proteins and the implication for the protein corona. Nanotoxicology, 2016, 10, 303-311.	3.0	26
66	Effect of 10 different TiO₂ and ZrO₂ (nano)materials on the soil invertebrate Enchytraeus crypticus. Environmental Toxicology and Chemistry, 2015, 34, 2409-2416.	4.3	26
67	Oxidative Stress Mechanisms Caused by Ag Nanoparticles (NM300K) are Different from Those of AgNO3: Effects in the Soil Invertebrate Enchytraeus Crypticus. International Journal of Environmental Research and Public Health, 2015, 12, 9589-9602.	2.6	53
68	Ag Nanoparticles (Ag NM300K) in the Terrestrial Environment: Effects at Population and Cellular Level in Folsomia candida (Collembola). International Journal of Environmental Research and Public Health, 2015, 12, 12530-12542.	2.6	38
69	Grouping and Read-Across Approaches for Risk Assessment of Nanomaterials. International Journal of Environmental Research and Public Health, 2015, 12, 13415-13434.	2.6	122
70	The MARINA Risk Assessment Strategy: A Flexible Strategy for Efficient Information Collection and Risk Assessment of Nanomaterials. International Journal of Environmental Research and Public Health, 2015, 12, 15007-15021.	2.6	46
71	Cellular Energy Allocation to Assess the Impact of Nanomaterials on Soil Invertebrates (Enchytraeids): The Effect of Cu and Ag. International Journal of Environmental Research and Public Health, 2015, 12, 6858-6878.	2.6	48
72	Effects of silver nanoparticles to soil invertebrates: Oxidative stress biomarkers in Eisenia fetida. Environmental Pollution, 2015, 199, 49-55.	7.5	69

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73	Speciation and solubility of copper along a soil contamination gradient. Journal of Soils and Sediments, 2015, 15, 1558-1570.	3.0	19
74	Cu-nanoparticles ecotoxicity â€“ Explored and explained?. Chemosphere, 2015, 139, 240-245.	8.2	43
75	Combined effect of temperature and copper pollution on soil bacterial community: Climate change and regional variation aspects. Ecotoxicology and Environmental Safety, 2015, 111, 153-159.	6.0	8
76	Responses of earthworms to repeated exposure to three biocides applied singly and as a mixture in an agricultural field. Science of the Total Environment, 2015, 505, 223-235.	8.0	20
77	Response of Enchytraeus crypticus worms to high metal levels in tropical soils polluted by copper smelting. Journal of Geochemical Exploration, 2014, 144, 427-432.	3.2	22
78	Profiling transcriptomic response of Enchytraeus albidus to Cu and Ni: Comparison with Cd and Zn. Environmental Pollution, 2014, 186, 75-82.	7.5	14
79	ITS-NANO - Prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. Particle and Fibre Toxicology, 2014, 11, 9.	6.2	124
80	Toxicity of three biocides to springtails and earthworms in a soil multi-species (SMS) test system. Soil Biology and Biochemistry, 2014, 74, 115-126.	8.8	40
81	Development of ecosystems to climate change and the interaction with pollutionâ€”Unpredictable changes in community structures. Applied Soil Ecology, 2014, 75, 24-32.	4.3	14
82	A unified framework for nanosafety is needed. Nano Today, 2014, 9, 546-549.	11.9	32
83	Concern-driven integrated approaches to nanomaterial testing and assessment â€“ report of the NanoSafety Cluster Working Group 10. Nanotoxicology, 2014, 8, 334-348.	3.0	118
84	Risk Assessment of Engineered Nanomaterials. , 2014, , 459-478.		3
85	Effects of temperature and copper pollution on soil communityâ€”extreme temperature events can lead to community extinction. Environmental Toxicology and Chemistry, 2013, 32, 2678-2685.	4.3	17
86	Species Differences Take Shape at Nanoparticles: Protein Corona Made of the Native Repertoire Assists Cellular Interaction. Environmental Science & Technology, 2013, 47, 14367-14375.	10.0	75
87	Time-course profiling of molecular stress responses to silver nanoparticles in the earthworm Eisenia fetida. Ecotoxicology and Environmental Safety, 2013, 98, 219-226.	6.0	54
88	Interaction between density and Cu toxicity for Enchytraeus crypticus â€“ Comparing first and second generation effects. Science of the Total Environment, 2013, 458-460, 361-366.	8.0	18
89	Mechanisms of response to silver nanoparticles on Enchytraeus albidus (Oligochaeta): Survival, reproduction and gene expression profile. Journal of Hazardous Materials, 2013, 254-255, 336-344.	12.4	75
90	Earthworms and Humans in Vitro: Characterizing Evolutionarily Conserved Stress and Immune Responses to Silver Nanoparticles. Environmental Science & Technology, 2012, 46, 4166-4173.	10.0	96

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91	Ecotoxicity of the veterinary pharmaceutical ivermectin tested in a soil multi-species (SMS) system. Environmental Pollution, 2012, 171, 133-139.	7.5	43
92	Effect of Cu-nanoparticles versus Cu-salt in Enchytraeus albidus (Oligochaeta): Differential gene expression through microarray analysis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 219-227.	2.6	38
93	Effect of Cu-nanoparticles versus one Cu-salt: Analysis of stress biomarkers response inEnchytraeus albidus(Oligochaeta). Nanotoxicology, 2012, 6, 134-143.	3.0	59
94	Toxicity of copper nanoparticles and CuCl2 salt to Enchytraeus albidus worms: Survival, reproduction and avoidance responses. Environmental Pollution, 2012, 164, 164-168.	7.5	71
95	Energy Basal Levels and Allocation among Lipids, Proteins, and Carbohydrates in Enchytraeus albidus: Changes Related to Exposure to Cu Salt and Cu Nanoparticles. Water, Air, and Soil Pollution, 2012, 223, 477-482.	2.4	25
96	Suitability of lysosomal membrane stability in Eisenia fetida as biomarker of soil copper contamination. Ecotoxicology and Environmental Safety, 2011, 74, 984-988.	6.0	21
97	Interaction between density and Cu toxicity for Enchytraeus crypticus and Eisenia fetida reflecting field scenarios. Science of the Total Environment, 2011, 409, 3370-3374.	8.0	18
98	Limit-test toxicity screening of selected inorganic nanoparticles to the earthworm Eisenia fetida. Ecotoxicology, 2011, 20, 226-233.	2.4	152
99	Predicted No Effect Concentration (PNEC) for triclosan to terrestrial species (invertebrates and) Tj ETQq1 1 0.784314 rgBT /Overlock	10.0	53
100	Nanomaterials in ecotoxicology. Integrated Environmental Assessment and Management, 2008, 4, 126-128.	2.9	8
101	Effects of C₆₀fullerene nanoparticles on soil bacteria and protozoans. Environmental Toxicology and Chemistry, 2008, 27, 1895-1903.	4.3	160
102	The toxicity testing of double-walled nanotubes-contaminated food to Eisenia veneta earthworms. Ecotoxicology and Environmental Safety, 2008, 71, 616-619.	6.0	118
103	The toxicity of copper contaminated soil using a gnotobiotic Soil Multi-species Test System (SMS). Environment International, 2008, 34, 524-530.	10.0	35
104	Sub-lethal toxicity of the antiparasitic abamectin on earthworms and the application of neutral red retention time as a biomarker. Chemosphere, 2007, 68, 744-750.	8.2	40
105	Seasonal variation in heavy metal accumulation in subtropical population of the terrestrial isopod, Porcellio laevis. Ecotoxicology and Environmental Safety, 2006, 63, 168-174.	6.0	30
106	UNCERTAINTY ANALYSIS OF SINGLE-CONCENTRATION EXPOSURE DATA FOR RISK ASSESSMENTâ€"INTRODUCING THE SPECIES EFFECT DISTRIBUTION APPROACH. Environmental Toxicology and Chemistry, 2006, 25, 3078.	4.3	4
107	EFFECTS OF PESTICIDES ON SOIL INVERTEBRATES IN LABORATORY STUDIES: A REVIEW AND ANALYSIS USING SPECIES SENSITIVITY DISTRIBUTIONS. Environmental Toxicology and Chemistry, 2006, 25, 2480.	4.3	165
108	EFFECTS OF PESTICIDES ON SOIL INVERTEBRATES IN MODEL ECOSYSTEM AND FIELD STUDIES: A REVIEW AND COMPARISON WITH LABORATORY TOXICITY DATA. Environmental Toxicology and Chemistry, 2006, 25, 2490.	4.3	75

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109	Risk of five polycyclic aromatic hydrocarbons in a terrestrial environment: Influence of data variability. Environmental Toxicology and Chemistry, 2005, 24, 995-1003.	4.3	0
110	Genetic Variation in the Enzyme Esterase, Bioaccumulation and Life History Traits in the Earthworm Lumbricus Rubellus from a Metal Contaminated Area, Avonmouth, England. Ecotoxicology, 2004, 13, 773-786.	2.4	16
111	Critical Analysis of Soil Invertebrate Biomarkers: A Field Case Study in Avonmouth, UK. Ecotoxicology, 2004, 13, 817-822.	2.4	31
112	Do Earthworms Mobilize Fixed Zinc from Ingested Soil?. Environmental Science & Technology, 2004, 38, 3036-3039.	10.0	22
113	Effects of pendimethalin at lower trophic levelsâ€"a review. Ecotoxicology and Environmental Safety, 2004, 57, 190-201.	6.0	66
114	The influence of application form on the toxicity of nonylphenol to Folsomia fimetaria (Collembola:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	6.0	29
115	Field effects of simazine at lower trophic levelsâ€"a review. Science of the Total Environment, 2002, 296, 117-137.	8.0	47
116	Dose-response curve modeling of excess mortality caused by two forms of stress. Environmental and Ecological Statistics, 2002, 9, 195-200.	3.5	19
117	EFFECTS OF EIGHT POLYCYCLIC AROMATIC COMPOUNDS ON THE SURVIVAL AND REPRODUCTION OF THE SPRINGTAIL FOLSOMIA FIMETARIA L. (COLLEMBOLA, ISOTOMIDAE). Environmental Toxicology and Chemistry, 2001, 20, 1332.	4.3	37
118	Responses ofFolsomia fimetaria(Collembola: Isotomidae) to copper under different soil copper contamination histories in relation to risk assessment. Environmental Toxicology and Chemistry, 2000, 19, 1297-1303.	4.3	49
119	Importance of contamination history for understanding toxicity of copper to earthwormEisenia fetica(Oligochaeta: Annelida), using neutralâ€red retention assay. Environmental Toxicology and Chemistry, 2000, 19, 1774-1780.	4.3	89
120	Biomarkers in Earthworms. Reviews of Environmental Contamination and Toxicology, 2000, 165, 117-159.	1.3	84
121	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
122	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
123	Toxicity of Nickel to a Soil-Dwelling Springtail,Folsomia fimetaria(Collembola: Isotomidae). Ecotoxicology and Environmental Safety, 1999, 43, 57-61.	6.0	28
124	Toxicity of Nickel to the Earthworm and the Applicability of the Neutral Red Retention Assay. Ecotoxicology, 1998, 7, 291-295.	2.4	59
125	Toxicity of Nickel to Soil Organisms in Denmark. Reviews of Environmental Contamination and Toxicology, 1997, , 1-34.	1.3	20
126	A heavy metal monitoring-programme in Denmark. Science of the Total Environment, 1997, 207, 179-186.	8.0	55

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127	Changes in the tissue concentrations and contents of calcium, copper and zinc in the shore crab Carcinus maenas (L.) (Crustacea: Decapoda) during the moult cycle and following copper exposure during ecdysis. Marine Environmental Research, 1997, 44, 397-414.	2.5	47
128	Sublethal toxicity of copper to a soilâ€dwelling springtail (Folsomia fimetaria) (Collembola:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.3	34
129	SUBLETHAL TOXICITY OF COPPER TO A SOIL-DWELLING SPRINGTAIL (FOLSOMIA FIMETARIA) (COLLEMBOLA:) Tj ETQq1 1 0.784314 r	4.3	5
130	The influence of starvation and copper exposure on the composition of the dorsal carapace and distribution of trace metals in the shore crab Carcinus maenas (L.). Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1993, 106, 537-543.	0.5	4