

Martin Holmstrup

List of Publications by Year in descending order

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Version: 2024-02-01

225
papers

8,249
citations

61857

43
h-index

71532

76
g-index

226
all docs

226
docs citations

226
times ranked

7057
citing authors

#	ARTICLE	IF	CITATIONS
1	Litter quality, mycorrhizal association, and soil properties regulate effects of tree species on the soil fauna community. <i>Geoderma</i> , 2022, 407, 115570.	2.3	34
2	Communities of Collembola show functional resilience in a long-term field experiment simulating climate change. <i>Pedobiologia</i> , 2022, 90, 150789.	0.5	4
3	Analysis of heat and cold tolerance of a freeze-tolerant soil invertebrate distributed from temperate to Arctic regions: evidence of selection for extreme cold tolerance. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2022, 192, 435-445.	0.7	3
4	A new strategy in rearing of European flounder: using live <i>Enchytraeus albidus</i> to enhance juvenile growth. <i>Journal of Insects As Food and Feed</i> , 2022, 8, 1333-1341.	2.1	2
5	Temperature-dependent trade-offs in maternal investments: An experimental test with two closely related soil microarthropods. <i>European Journal of Soil Biology</i> , 2022, 110, 103402.	1.4	3
6	Soil dwelling springtails are resilient to extreme drought in soil, but their reproduction is highly sensitive to small decreases in soil water potential. <i>Geoderma</i> , 2022, 421, 115913.	2.3	8
7	Mechanistic Effect Modeling of Earthworms in the Context of Pesticide Risk Assessment: Synthesis of the FORESEE Workshop. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 352-363.	1.6	18
8	Survival and predation rate of wild-caught and commercially produced <i>Orius majusculus</i> (Reuter) (Hemiptera: Anthracoridae). <i>Bulletin of Entomological Research</i> , 2021, , 1-7.	0.5	0
9	Earthworm burrow number and vertical distribution are affected by the crop sequence of a grass-clover rotation system. <i>European Journal of Soil Biology</i> , 2021, 103, 103294.	1.4	3
10	Thermal optimum for mass production of the live feed organism <i>Enchytraeus albidus</i> . <i>Journal of Thermal Biology</i> , 2021, 97, 102865.	1.1	5
11	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , 2021, 8, 136.	2.4	29
12	Thermal plasticity and sensitivity to insecticides in populations of an invasive beetle: Cyfluthrin increases vulnerability to extreme temperature. <i>Chemosphere</i> , 2021, 274, 129905.	4.2	5
13	Temperature-Dependent Toxicokinetics of Phenanthrene in <i>Enchytraeus albidus</i> (Oligochaeta). <i>Environmental Science & Technology</i> , 2021, 55, 1876-1884.	4.6	9
14	Effects of α -pinene on life history traits and stress tolerance in the springtail <i>Folsomia candida</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 229, 108681.	1.3	5
15	Temperature responses in a subarctic springtail from two geothermally warmed habitats. <i>Pedobiologia</i> , 2020, 78, 150606.	0.5	6
16	Mercury (Hg ²⁺) interferes with physiological adaptations to freezing in the arctic earthworm <i>Enchytraeus albidus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111005.	2.9	3
17	Compartmentation and effects of lead (Pb) in the collembolan, <i>Folsomia candida</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 43638-43645.	2.7	11
18	Towards a unified study of multiple stressors: divisions and common goals across research disciplines. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200421.	1.2	191

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19	Food quality of Ephestia eggs, the aphid Rhopalosiphum padi and mixed diet for Orius majusculus. Journal of Applied Entomology, 2020, 144, 251-262.	0.8	7
20	Antifreeze protein complements cryoprotective dehydration in the freeze-avoiding springtail Megaphorura arctica. Scientific Reports, 2020, 10, 3047.	1.6	16
21	Salinity of the growth medium is important for production potential and nutritional value of white worms (<i>Enchytraeus albidus</i> Henle). Aquaculture Research, 2020, 51, 2885-2892.	0.9	5
22	Headspace Passive Dosing of Volatile Hydrophobic Organic Chemicals from a Lipid Donor—Linking Their Toxicity to Well-Defined Exposure for an Improved Risk Assessment. Environmental Science & Technology, 2019, 53, 13468-13476.	4.6	15
23	Global distribution of earthworm diversity. Science, 2019, 366, 480-485.	6.0	248
24	Prey-specific experience affects prey preference and time to kill in the soil predatory mite Gaeolaelaps aculeifer Canestrini. Biological Control, 2019, 139, 104076.	1.4	4
25	Synergistic interaction between effects of phenanthrene and dynamic heat stress cycles in a soil arthropod. Environmental Pollution, 2019, 254, 113071.	3.7	12
26	Recovery period of Folsomia candida influence the impact of nonylphenol and phenanthrene on the tolerance of drought and heat shock. Environmental Pollution, 2019, 254, 113105.	3.7	7
27	Fast attrition of springtail communities by experimental drought and richness—decomposition relationships across Europe. Global Change Biology, 2019, 25, 2727-2738.	4.2	23
28	Interactive effects of temperature and time on cold tolerance and spring predation in overwintering soil predatory mites (Gaeolaelaps aculeifer Canestrini). Biological Control, 2019, 132, 169-176.	1.4	5
29	Prey-specific impact of cold exposure on kill rate and reproduction. Journal of Animal Ecology, 2019, 88, 258-268.	1.3	5
30	Seasonal variation in the prevalence of equine tapeworms using coprological diagnosis during a seven-year period in Denmark. Veterinary Parasitology: Regional Studies and Reports, 2018, 12, 22-25.	0.3	4
31	Functional diversity of Collembola is reduced in soils subjected to short-term, but not long-term, geothermal warming. Functional Ecology, 2018, 32, 1304-1316.	1.7	22
32	Population-specific transcriptional differences associated with freeze tolerance in a terrestrial worm. Ecology and Evolution, 2018, 8, 3774-3786.	0.8	12
33	Combined effects of drought and cold acclimation on phospholipid fatty acid composition and cold-shock tolerance in the springtail Protaphorura fimata. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2018, 188, 225-236.	0.7	8
34	Increased lipid accumulation but not reduced metabolism explains improved starvation tolerance in cold-acclimated arthropod predators. Die Naturwissenschaften, 2018, 105, 65.	0.6	6
35	Joint impact of competition, summer precipitation, and maternal effects on survival and reproduction in the perennial Hieracium umbellatum. Evolutionary Ecology, 2018, 32, 529-545.	0.5	6
36	Transcriptome sequencing, de novo assembly and annotation of the freeze tolerant earthworm, Dendrobaena octaedra. Gene Reports, 2018, 13, 180-191.	0.4	8

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37	Are commercial stocks of biological control agents genetically depauperate? A case study on the pirate bug <i>Orius majusculus</i> Reuter. <i>Biological Control</i> , 2018, 127, 31-38.	1.4	16
38	The springtail <i>Megaphorura arctica</i> survives extremely high osmolality of body fluids during drought. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 939-945.	0.7	6
39	On the problems of using linear models in ecological manipulation experiments: lessons learned from a climate experiment. <i>Ecosphere</i> , 2018, 9, e02322.	1.0	3
40	Screening of cold tolerance in fifteen springtail species. <i>Journal of Thermal Biology</i> , 2018, 77, 1-6.	1.1	12
41	Comparing <i>Enchytraeus albidus</i> populations from contrasting climatic environments suggest a link between cold tolerance and metabolic activity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 224, 35-41.	0.8	11
42	Mitigating N ₂ O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm <i>Lumbricus terrestris</i> . <i>Soil Biology and Biochemistry</i> , 2017, 104, 95-107.	4.2	29
43	Long-term and realistic global change manipulations had low impact on diversity of soil biota in temperate heathland. <i>Scientific Reports</i> , 2017, 7, 41388.	1.6	25
44	Realistic pesticide exposure through water and food amplifies long-term effects in a Limnephilid caddisfly. <i>Science of the Total Environment</i> , 2017, 580, 1439-1445.	3.9	11
45	Cold acclimation reduces predation rate and reproduction but increases cold- and starvation tolerance in the predatory mite <i>Gaeolaelaps aculeifer</i> Canestrini. <i>Biological Control</i> , 2017, 114, 150-157.	1.4	23
46	In situ measurements reveal extremely low pH in soil. <i>Soil Biology and Biochemistry</i> , 2017, 115, 63-65.	4.2	11
47	Effects of an aged copper contamination on distribution of earthworms, reproduction and cocoon hatchability. <i>Ecotoxicology and Environmental Safety</i> , 2017, 135, 267-275.	2.9	26
48	Tropical to subpolar gradient in phospholipid composition suggests adaptive tuning of biological membrane function in drosophilids. <i>Functional Ecology</i> , 2016, 30, 759-768.	1.7	24
49	Earthworms accumulate alanine in response to drought. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 199, 8-13.	0.8	9
50	Substantial nutritional contribution of bacterial amino acids to earthworms and enchytraeids: A case study from organic grasslands. <i>Soil Biology and Biochemistry</i> , 2016, 99, 21-27.	4.2	46
51	Increased frequency of freeze-thaw events in a future climate can significantly increase negative effects of copper on enchytraeids. <i>Applied Soil Ecology</i> , 2016, 107, 272-278.	2.1	4
52	A replicated climate change field experiment reveals rapid evolutionary response in an ecologically important soil invertebrate. <i>Global Change Biology</i> , 2016, 22, 2370-2379.	4.2	15
53	Uptake and Elimination of 4-Nonylphenol in the Enchytraeid <i>Enchytraeus albidus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 156-161.	1.3	3
54	Freezing of body fluids induces metallothionein gene expression in earthworms (<i>Dendrobaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 44-48.	1.3	8

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55	Salinity changes impact of hazardous chemicals in <i>Enchytraeus albidus</i> . Environmental Toxicology and Chemistry, 2015, 34, 2159-2166.	2.2	10
56	Phospholipid fatty acid composition linking larval-density to lifespan of adult <i>Drosophila melanogaster</i> . Experimental Gerontology, 2015, 72, 177-183.	1.2	13
57	Reprint of: The ins and outs of water dynamics in cold tolerant soil invertebrates. Journal of Thermal Biology, 2015, 54, 30-36.	1.1	4
58	Membrane properties of <i>Enchytraeus albidus</i> originating from contrasting environments: a comparative analysis. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 389-400.	0.7	10
59	Responses of enchytraeids to increased temperature, drought and atmospheric CO ₂ : Results of an eight-year field experiment in dry heathland. European Journal of Soil Biology, 2015, 70, 15-22.	1.4	11
60	Improving the efficiency of <i>Trichogramma achaeae</i> to control <i>Tuta absoluta</i> . BioControl, 2015, 60, 761-771.	0.9	42
61	Long-term multifactorial climate change impacts on mesofaunal biomass and nitrogen content. Applied Soil Ecology, 2015, 92, 54-63.	2.1	43
62	Accumulation of free amino acids during exposure to drought in three springtail species. Journal of Insect Physiology, 2015, 82, 114-121.	0.9	18
63	Does acute lead (Pb) contamination influence membrane fatty acid composition and freeze tolerance in intertidal blue mussels in arctic Greenland?. Ecotoxicology, 2015, 24, 2036-2042.	1.1	28
64	The Role of Storage Lipids in the Relation between Fecundity, Locomotor Activity, and Lifespan of <i>Drosophila melanogaster</i> Longevity-Selected and Control Lines. PLoS ONE, 2015, 10, e0130334.	1.1	18
65	The ins and outs of water dynamics in cold tolerant soil invertebrates. Journal of Thermal Biology, 2014, 45, 117-123.	1.1	25
66	Roles of carbohydrate reserves for local adaptation to low temperatures in the freeze tolerant oligochaete <i>Enchytraeus albidus</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2014, 184, 167-177.	0.7	13
67	The terrestrial and freshwater invertebrate biodiversity of the archipelagoes of the Barents Sea; Svalbard, Franz Josef Land and Novaya Zemlya. Soil Biology and Biochemistry, 2014, 68, 440-470.	4.2	105
68	Effect of repeated freeze-thaw cycles on geographically different populations of the freeze tolerant worm <i>Enchytraeus albidus</i> (Oligochaeta). Journal of Experimental Biology, 2014, 217, 3843-52.	0.8	12
69	Simultaneous Control of Phenanthrene and Drought by Dual Exposure System: The Degree of Synergistic Interactions in Springtails was Exposure Dependent. Environmental Science & Technology, 2014, 48, 9737-9744.	4.6	12
70	Earthworm distribution and abundance predicted by a process-based model. Applied Soil Ecology, 2014, 84, 112-123.	2.1	28
71	Lipophilic Contaminants Influence Cold Tolerance of Invertebrates through Changes in Cell Membrane Fluidity. Environmental Science & Technology, 2014, 48, 9797-9803.	4.6	28
72	Importance of Freeze-Thaw Events in Low Temperature Ecotoxicology of Cold Tolerant Enchytraeids. Environmental Science & Technology, 2014, 48, 9790-9796.	4.6	12

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73	Collembola feeding habits and niche specialization in agricultural grasslands of different composition. <i>Soil Biology and Biochemistry</i> , 2014, 74, 31-38.	4.2	26
74	Physiological and molecular responses of springtails exposed to phenanthrene and drought. <i>Environmental Pollution</i> , 2014, 184, 370-376.	3.7	14
75	Simultaneous Loss of Soil Biodiversity and Functions along a Copper Contamination Gradient: When Soil Goes to Sleep. <i>Soil Science Society of America Journal</i> , 2014, 78, 1239-1250.	1.2	35
76	Tools and perspectives for assessing chemical mixtures and multiple stressors. <i>Toxicology</i> , 2013, 313, 73-82.	2.0	63
77	Soil microarthropods are only weakly impacted after 13 years of repeated drought treatment in wet and dry heathland soils. <i>Soil Biology and Biochemistry</i> , 2013, 66, 110-118.	4.2	38
78	Baseline Toxic Mixtures of Non-Toxic Chemicals: "Solubility Addition" Increases Exposure for Solid Hydrophobic Chemicals. <i>Environmental Science & Technology</i> , 2013, 47, 2026-2033.	4.6	68
79	Metabolomic analysis of the selection response of <i>Drosophila melanogaster</i> to environmental stress: are there links to gene expression and phenotypic traits?. <i>Die Naturwissenschaften</i> , 2013, 100, 417-427.	0.6	27
80	Worms from the Arctic are better adapted to freezing and high salinity than worms from temperate regions: Oxidative stress responses in <i>Enchytraeus albidus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 582-589.	0.8	9
81	Induced cold tolerance mechanisms depend on duration of acclimation in the chill sensitive <i>Folsomia candida</i> (Collembola). <i>Journal of Experimental Biology</i> , 2013, 216, 1991-2000.	0.8	38
82	Uptake and toxicity of polycyclic aromatic hydrocarbons in terrestrial springtails" studying bioconcentration kinetics and linking toxicity to chemical activity. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 361-369.	2.2	23
83	Variation in metallothionein gene expression is associated with adaptation to copper in the earthworm <i>Dendrobaena octaedra</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 220-226.	1.3	22
84	Candidate gene expression associated with geographical variation in cryoprotective dehydration of <i>Megaphorura arctica</i> . <i>Journal of Insect Physiology</i> , 2013, 59, 804-811.	0.9	5
85	<i>Protaphorura tricampata</i> , a euedaphic and highly permeable springtail that can sustain activity by osmoregulation during extreme drought. <i>Journal of Insect Physiology</i> , 2013, 59, 1104-1110.	0.9	22
86	Age-induced perturbation in cell membrane phospholipid fatty acid profile of longevity-selected <i>Drosophila melanogaster</i> and corresponding control lines. <i>Experimental Gerontology</i> , 2013, 48, 1362-1368.	1.2	14
87	Linking membrane physical properties and low temperature tolerance in arthropods. <i>Cryobiology</i> , 2013, 67, 383-385.	0.3	3
88	The influence of temperature on life history traits in the Iberian slug, <i>Arion lusitanicus</i> . <i>Annals of Applied Biology</i> , 2013, 162, 80-88.	1.3	19
89	Integration of thermal time and hydrottime models to describe the development and growth of temperate earthworms. <i>Soil Biology and Biochemistry</i> , 2013, 63, 50-60.	4.2	10
90	Passive Dosing of Polycyclic Aromatic Hydrocarbon (PAH) Mixtures to Terrestrial Springtails: Linking Mixture Toxicity to Chemical Activities, Equilibrium Lipid Concentrations, and Toxic Units. <i>Environmental Science & Technology</i> , 2013, 47, 7020-7027.	4.6	34

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91	Analysis of the shape fluctuations of reconstituted membranes using GUVs made from lipid extracts of invertebrates. <i>Biology Open</i> , 2013, 2, 373-378.	0.6	11
92	Soil salinity increases survival of freezing in the enchytraeid <i>Enchytraeus albidus</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 2732-40.	0.8	18
93	Effects of Past Copper Contamination and Soil Structure on Copper Leaching from Soil. <i>Journal of Environmental Quality</i> , 2013, 42, 1852-1862.	1.0	23
94	Earthworm colonisation of abandoned arable soil polluted by copper. <i>Pedobiologia</i> , 2012, 55, 63-65.	0.5	10
95	Soil microbial and physical properties and their relations along a steep copper gradient. <i>Agriculture, Ecosystems and Environment</i> , 2012, 159, 9-18.	2.5	37
96	Acidic Lugol's solution as an effective fixative for flounder eggs. <i>Journal of Applied Ichthyology</i> , 2012, 28, 261-263.	0.3	0
97	Cold tolerance and freeze-induced glucose accumulation in three terrestrial slugs. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 443-449.	0.8	17
98	Increased frequency of drought reduces species richness of enchytraeid communities in both wet and dry heathland soils. <i>Soil Biology and Biochemistry</i> , 2012, 53, 43-49.	4.2	28
99	Ecological and molecular consequences of prolonged drought and subsequent rehydration in <i>Folsomia candida</i> (Collembola). <i>Journal of Insect Physiology</i> , 2012, 58, 130-137.	0.9	13
100	Associations between soil texture, soil water characteristics and earthworm populations in grassland. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2011, 61, 583-592.	0.3	2
101	Low temperature survival in different life stages of the Iberian slug, <i>Arion lusitanicus</i> . <i>Cryobiology</i> , 2011, 62, 68-73.	0.3	20
102	Density of macropores as related to soil and earthworm community parameters in cultivated grasslands. <i>Geoderma</i> , 2011, 162, 319-326.	2.3	38
103	Reduced N cycling in response to elevated CO ₂ , warming, and drought in a Danish heathland: Synthesizing results of the CLIMAITE project after two years of treatments. <i>Global Change Biology</i> , 2011, 17, 1884-1899.	4.2	213
104	Recovery of reproduction after drought in the soil living <i>Folsomia candida</i> (Collembola). <i>Soil Biology and Biochemistry</i> , 2011, 43, 690-692.	4.2	19
105	The excretion of ammonium by enchytraeids (<i>Cognettia sphagnetorum</i>). <i>Soil Biology and Biochemistry</i> , 2011, 43, 991-996.	4.2	13
106	Cryoprotective dehydration is widespread in Arctic springtails. <i>Journal of Insect Physiology</i> , 2011, 57, 1147-1153.	0.9	45
107	A tribute to Karl Erik Zachariassen. <i>Journal of Insect Physiology</i> , 2011, 57, 1061-1065.	0.9	1
108	Effects of ozone on gene expression and lipid peroxidation in adults and larvae of the red flour beetle (<i>Tribolium castaneum</i>). <i>Journal of Stored Products Research</i> , 2011, 47, 378-384.	1.2	36

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109	Body metal concentrations and glycogen reserves in earthworms (<i>Dendrobaena octaedra</i>) from contaminated and uncontaminated forest soil. <i>Environmental Pollution</i> , 2011, 159, 190-197.	3.7	53
110	Genetic adaptation of earthworms to copper pollution: is adaptation associated with fitness costs in <i>Dendrobaena octaedra</i> ?. <i>Ecotoxicology</i> , 2011, 20, 563-573.	1.1	37
111	Drought tolerance in eggs and juveniles of the Iberian slug, <i>Arion lusitanicus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 1001-1009.	0.7	14
112	Organic matter flow in the food web at a temperate heath under multifactorial climate change. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1485-1496.	0.7	21
113	No costs on freeze tolerance in genetically copper adapted earthworm populations (<i>Dendrobaena</i>) Tj ETQq1 1 0.784314 rgBT /Overlook 204-207.	1.3	4
114	Diversity and host specificity of the <i>Verminephrobacter</i> "earthworm symbiosis. <i>Environmental Microbiology</i> , 2010, 12, 2142-2151.	1.8	32
115	The effect of soil pH and temperature on <i>Folsomia candida</i> transcriptional regulation. <i>Journal of Insect Physiology</i> , 2010, 56, 350-355.	0.9	31
116	Interactions between effects of environmental chemicals and natural stressors: A review. <i>Science of the Total Environment</i> , 2010, 408, 3746-3762.	3.9	621
117	Interactions between toxic chemicals and natural environmental factors " A meta-analysis and case studies. <i>Science of the Total Environment</i> , 2010, 408, 3763-3774.	3.9	131
118	The counteracting effects of elevated atmospheric CO ₂ concentrations and drought episodes: Studies of enchytraeid communities in a dry heathland. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1958-1966.	4.2	17
119	Hsp70 expression and metabolite composition in response to short-term thermal changes in <i>Folsomia candida</i> (Collembola). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 157, 177-183.	0.8	25
120	Temporal gene expression profiles in a palaeartic springtail as induced by desiccation, cold exposure and during recovery. <i>Functional Ecology</i> , 2010, 24, 838-846.	1.7	18
121	Metabolic Changes during Estivation in the Common Earthworm <i>Aporrectodea caliginosa</i> . <i>Physiological and Biochemical Zoology</i> , 2010, 83, 541-550.	0.6	27
122	Beneficial Effect of <i>Verminephrobacter</i> Nephridial Symbionts on the Fitness of the Earthworm <i>Aporrectodea tuberculata</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 4738-4743.	1.4	25
123	Evolutionary Theory and Studies of Model Organisms Predict a Cautiously Positive Perspective on the Therapeutic Use of Hormesis for Healthy Aging in Humans. <i>Dose-Response</i> , 2010, 8, dose-response.0.	0.7	11
124	Enchytraeids in a changing climate: A mini-review. <i>Pedobiologia</i> , 2010, 53, 161-167.	0.5	23
125	Bioinformatics and protein expression analyses implicate LEA proteins in the drought response of Collembola. <i>Journal of Insect Physiology</i> , 2009, 55, 210-217.	0.9	44
126	Responses to acute and chronic desiccation stress in <i>Enchytraeus</i> (Oligochaeta: Enchytraeidae). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 113-123.	0.7	33

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127	Survival and metabolism of <i>Rana arvalis</i> during freezing. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 223-230.	0.7	20
128	Seasonal changes in lipid composition and glycogen storage associated with freeze-tolerance of the earthworm, <i>Dendrobaena octaedra</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 569-577.	0.7	17
129	The rapid cold hardening response of <i>Collembola</i> is influenced by thermal variability of the habitat. <i>Functional Ecology</i> , 2009, 23, 340-347.	1.7	63
130	Sugar sweet springtails: on the transcriptional response of <i>Folsomia candida</i> (<i>Collembola</i>) to desiccation stress. <i>Insect Molecular Biology</i> , 2009, 18, 737-746.	1.0	34
131	Exposure to mercury reduces heat tolerance and heat hardening ability of the springtail <i>Folsomia candida</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 118-123.	1.3	12
132	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> , 2009, 28, 629.	2.2	29
133	Impacts of heavy metals, polyaromatic hydrocarbons, and pesticides on freeze tolerance of the earthworm <i>Dendrobaena octaedra</i> . <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2341-2347.	2.2	23
134	Changes in Membrane Phospholipids as a Mechanistic Explanation for Decreased Freeze Tolerance in Earthworms Exposed to Sublethal Copper Concentrations. <i>Environmental Science & Technology</i> , 2009, 43, 5495-5500.	4.6	26
135	Preservation of the invasive ctenophore <i>Mnemiopsis leidyi</i> using acidic Lugol's solution. <i>Journal of Plankton Research</i> , 2009, 31, 917-920.	0.8	10
136	Synergistic interaction between 4-nonylphenol and high but not low temperatures in <i>Dendrobaena octaedra</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 10-16.	2.9	20
137	Recovery of enchytraeid populations after severe drought events. <i>Applied Soil Ecology</i> , 2009, 42, 227-235.	2.1	26
138	Dual roles of glucose in the freeze-tolerant earthworm <i>Dendrobaena octaedra</i> : cryoprotection and fuel for metabolism. <i>Journal of Experimental Biology</i> , 2009, 212, 859-866.	0.8	44
139	Experimental design of multifactor climate change experiments with elevated CO ₂ , warming and drought: the CLIMAITE project. <i>Functional Ecology</i> , 2008, 22, 185-195.	1.7	75
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