Martin Holmstrup

List of Publications by Year
in descending order

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	Interactions between effects of environmental chemicals and natural stressors: A review. Science of the Total Environment, 2010, 408, 3746-3762.	3.9	621
2	Global distribution of earthworm diversity. Science, 2019, 366, 480-485.	6.0	248
3	Metabolomic profiling of rapid cold hardening and cold shock in Drosophila melanogaster. Journal of Insect Physiology, 2007, 53, 1218-1232.	0.9	232
4	Changes in membrane lipid composition following rapid cold hardening in Drosophila melanogaster. Journal of Insect Physiology, 2005, 51, 1173-1182.	0.9	224
5	Reduced N cycling in response to elevated CO2, warming, and drought in a Danish heathland: Synthesizing results of the CLIMAITE project after two years of treatments. Global Change Biology, 2011, 17, 1884-1899.	4.2	213
6	Towards a unified study of multiple stressors: divisions and common goals across research disciplines. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200421.	1.2	191
7	Metabolomic profiling of heat stress: hardening and recovery of homeostasis in Drosophila. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R205-R212.	0.9	170
8	Supercool or dehydrate? An experimental analysis of overwintering strategies in small permeable arctic invertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5716-5720.	3.3	165
9	Effects of acclimation temperature on thermal tolerance and membrane phospholipid composition in the fruit fly Drosophila melanogaster. Journal of Insect Physiology, 2008, 54, 619-629.	0.9	148
10	Interactions between toxic chemicals and natural environmental factors â€" A meta-analysis and case studies. Science of the Total Environment, 2010, 408, 3763-3774.	3.9	131
11	Water Vapor Absorption in Arthropods by Accumulation of Myoinositol and Glucose. Science, 1999, 285, 1909-1911.	6.0	120
12	Drought acclimation confers cold tolerance in the soil collembolan Folsomia candida. Journal of Insect Physiology, 2001, 47, 1197-1204.	0.9	120
13	Drought acclimation and lipid composition in Folsomia candida: implications for cold shock, heat shock and acute desiccation stress. Journal of Insect Physiology, 2002, 48, 961-970.	0.9	113
14	Effects of freezeâ€"thaw cycles on microarthropods and nutrient availability in a sub-Arctic soil. Applied Soil Ecology, 2005, 28, 79-93.	2.1	109
15	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
16	Passive Dosing of Soil Invertebrates with Polycyclic Aromatic Hydrocarbons: Limited Chemical Activity Explains Toxicity Cutoff. Environmental Science & Technology, 2008, 42, 7516-7521.	4.6	102
17	Dehydration and cold hardiness in the Arctic Collembolan Onychiurus arcticus Tullberg 1876. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1998, 168, 197-203.	0.7	91
18	Dehydration of earthworm cocoons exposed to cold: a novel cold hardiness mechanism. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1994, 164, 312-315.	0.7	89

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19	Responses of springtail and mite populations to prolonged periods of soil freeze-thaw cycles in a sub-arctic ecosystem. Applied Soil Ecology, 2007, 36, 136-146.	2.1	89
20	The importance of cuticular permeability, osmolyte production and body size for the desiccation resistance of nine species of Collembola. Journal of Insect Physiology, 2004, 50, 5-15.	0.9	84
21	Physiology of cold hardiness in earthworms. Comparative Biochemistry and Physiology A, Comparative Physiology, 1996, 115, 91-101.	0.7	80
22	Reorganization of membrane lipids during fast and slow cold hardening in Drosophila melanogaster. Physiological Entomology, 2006, 31, 328-335.	0.6	77
23	Role of HSF activation for resistance to heat, cold and high-temperature knock-down. Journal of Insect Physiology, 2005, 51, 1320-1329.	0.9	76
24	Experimental design of multifactor climate change experiments with elevated CO₂, warming and drought: the CLIMAITE project. Functional Ecology, 2008, 22, 185-195.	1.7	75
25	Baseline Toxic Mixtures of Non-Toxic Chemicals: â€œSolubility Additionâ€•Increases Exposure for Solid Hydrophobic Chemicals. Environmental Science & Technology, 2013, 47, 2026-2033.	4.6	68
26	Cryoprotective and osmotic responses to cold acclimation and freezing in freeze-tolerant and freeze-intolerant earthworms. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1999, 169, 207-214.	0.7	67
27	Sensitivity of life history parameters in the earthworm Aporrectodea caliginosa to small changes in soil water potential. Soil Biology and Biochemistry, 2001, 33, 1217-1223.	4.2	63
28	The rapid cold hardening response of Collembola is influenced by thermal variability of the habitat. Functional Ecology, 2009, 23, 340-347.	1.7	63
29	Tools and perspectives for assessing chemical mixtures and multiple stressors. Toxicology, 2013, 313, 73-82.	2.0	63
30	Combined effects of copper, desiccation, and frost on the viability of earthworm cocoons. Environmental Toxicology and Chemistry, 1998, 17, 897-901.	2.2	62
31	Enhanced drought tolerance of a soil-dwelling springtail by pre-acclimation to a mild drought stress. Journal of Insect Physiology, 2001, 47, 1021-1027.	0.9	58
32	Can Bacillus thuringiensis (Bt) corn residues and Bt-corn plants affect life-history traits in the earthworm Aporrectodea caliginosa?. Applied Soil Ecology, 2006, 32, 180-187.	2.1	57
33	Dehydration tolerance and water vapour absorption in two species of soil-dwelling Collembola by accumulation of sugars and polyols. Functional Ecology, 2001, 15, 647-653.	1.7	55
34	Geothermal ecosystems as natural climate change experiments: The ForHot research site in Iceland as a case study. Icelandic Agricultural Sciences, 0, 29, 53-71.	0.0	55
35	Sublethal soil copper concentrations increase mortality in the earthworm Aporrectodea caliginosa during drought. Ecotoxicology and Environmental Safety, 2004, 57, 65-73.	2.9	53
36	A comparative analysis of the toxicity of eight common soil contaminants and their effects on drought tolerance in the collembolan Folsomia candida. Ecotoxicology and Environmental Safety, 2005, 60, 132-139.	2.9	53

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37	Body metal concentrations and glycogen reserves in earthworms (Dendrobaena octaedra) from contaminated and uncontaminated forest soil. Environmental Pollution, 2011, 159, 190-197.	3.7	53
38	Geographic variation for climatic stress resistance traits in the springtail Orchesella cincta. Journal of Insect Physiology, 2006, 52, 951-959.	0.9	52
39	Stress synergy between drought and a common environmental contaminant: studies with the collembolan Folsomia candida. Global Change Biology, 2001, 7, 485-494.	4.2	51
40	STRESS SYNERGY BETWEEN ENVIRONMENTALLY REALISTIC LEVELS OF COPPER AND FROST IN THE EARTHWORM DENDROBAENA OCTAEDRA. Environmental Toxicology and Chemistry, 2005, 24, 1462.	2.2	49
41	Effects and risk assessment of linear alkylbenzene sulfonates in agricultural soil. 5. Probabilistic risk assessment of linear alkylbenzene sulfonates in sludgeâ€amended soils. Environmental Toxicology and Chemistry, 2001, 20, 1690-1697.	2.2	47
42	Rearing of flounder (Platichthys flesus) juveniles in semiextensive systems. Aquaculture, 2004, 230, 475-491.	1.7	47
43	Substantial nutritional contribution of bacterial amino acids to earthworms and enchytraeids: A case study from organic grasslands. Soil Biology and Biochemistry, 2016, 99, 21-27.	4.2	46
44	Effect of Dimethoate on Body Growth of Representatives of the Soil Living Mesofauna. Ecotoxicology and Environmental Safety, 1996, 33, 207-216.	2.9	45
45	Differences in cold and drought tolerance of high arctic and sub-arctic populations of Megaphorura arctica Tullberg 1876 (Onychiuridae: Collembola). Cryobiology, 2007, 55, 315-323.	0.3	45
46	Cryoprotective dehydration is widespread in Arctic springtails. Journal of Insect Physiology, 2011, 57, 1147-1153.	0.9	45
47	Bioinformatics and protein expression analyses implicate LEA proteins in the drought response of Collembola. Journal of Insect Physiology, 2009, 55, 210-217.	0.9	44
48	Dual roles of glucose in the freeze-tolerant earthwormDendrobaena octaedra: cryoprotection and fuel for metabolism. Journal of Experimental Biology, 2009, 212, 859-866.	0.8	44
49	Physiology of cold hardiness in cocoons of five earthworm taxa (Lumbricidae: Oligochaeta). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1994, 164, 222-228.	0.7	43
50	Long-term multifactorial climate change impacts on mesofaunal biomass and nitrogen content. Applied Soil Ecology, 2015, 92, 54-63.	2.1	43
51	Freeze or dehydrate: only two options for the survival of subzero temperatures in the arctic enchytraeid Fridericia ratzeli. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2003, 173, 601-609.	0.7	42
52	Improving the efficiency of Trichogramma achaeae to control Tuta absoluta. BioControl, 2015, 60, 761-771.	0.9	42
53	Automatic counting of collembolans for laboratory experiments. Applied Soil Ecology, 1998, 7, 201-205.	2.1	41
54	Effects of dehydration on water relations and survival of lumbricid earthworm egg capsules. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1995, 165, 377-383.	0.7	40

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55	Temperature effects on lipid composition of the earthworms Lumbricus rubellus and Eisenia nordenskioeldi. Soil Biology and Biochemistry, 2000, 32, 1787-1791.	4.2	38
56	Influence of storage conditions on viability of quiescent copepod eggs (Acartia tonsa Dana): effects of temperature, salinity and anoxia. Aquaculture Research, 2006, 37, 625-631.	0.9	38
57	Freeze tolerance and accumulation of cryoprotectants in the enchytraeid Enchytraeus albidus (Oligochaeta) from Greenland and Europe. Cryobiology, 2008, 57, 286-291.	0.3	38
58	Density of macropores as related to soil and earthworm community parameters in cultivated grasslands. Geoderma, 2011, 162, 319-326.	2.3	38
59	Soil microarthropods are only weakly impacted after 13 years of repeated drought treatment in wet and dry heathland soils. Soil Biology and Biochemistry, 2013, 66, 110-118.	4.2	38
60	Induced cold tolerance mechanisms depend on duration of acclimation in the chill sensitive Folsomia candida (Collembola). Journal of Experimental Biology, 2013, 216, 1991-2000.	0.8	38
61	Genetic adaptation of earthworms to copper pollution: is adaptation associated with fitness costs in Dendrobaena octaedra?. Ecotoxicology, 2011, 20, 563-573.	1.1	37
62	Soil microbial and physical properties and their relations along a steep copper gradient. Agriculture, Ecosystems and Environment, 2012, 159, 9-18.	2.5	37
63	Cold hardiness strategy in cocoons of the lumbricid earthworm Dendrobaena octaedra (savigny). Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 102, 49-54.	0.7	36
64	Interactions between cold, desiccation and environmental toxins. , 0, , 166-188.		36
65	Effects of ozone on gene expression and lipid peroxidation in adults and larvae of the red flour beetle (Tribolium castaneum). Journal of Stored Products Research, 2011, 47, 378-384.	1.2	36
66	Geographic variation of freeze-tolerance in the earthworm Dendrobaena octaedra. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2002, 172, 691-698.	0.7	35
67	Responses by earthworms to reduced tillage in herbicide tolerant maize and Bt maize cropping systems. Pedobiologia, 2007, 51, 219-227.	0.5	35
68	Freeze tolerance in Aporrectodea caliginosa and other earthworms from Finland. Cryobiology, 2007, 55, 80-86.	0.3	35
69	Simultaneous Loss of Soil Biodiversity and Functions along a Copper Contamination Gradient: When Soil Goes to Sleep. Soil Science Society of America Journal, 2014, 78, 1239-1250.	1.2	35
70	Overwintering adaptations in earthwormsThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 504-510.	0.5	34
71	Sugar sweet springtails: on the transcriptional response ofFolsomia candida(Collembola) to desiccation stress. Insect Molecular Biology, 2009, 18, 737-746.	1.0	34
72	Passive Dosing of Polycyclic Aromatic Hydrocarbon (PAH) Mixtures to Terrestrial Springtails: Linking Mixture Toxicity to Chemical Activities, Equilibrium Lipid Concentrations, and Toxic Units. Environmental Science & Technology, 2013, 47, 7020-7027.	4.6	34

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73	Litter quality, mycorrhizal association, and soil properties regulate effects of tree species on the soil fauna community. Geoderma, 2022, 407, 115570.	2.3	34
74	Responses to acute and chronic desiccation stress in Enchytraeus (Oligochaeta: Enchytraeidae). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 113-123.	0.7	33
75	Cold and drought stress in combination with pyrene exposure: studies with Protaphorura armata (Collembola: Onychiuridae). Ecotoxicology and Environmental Safety, 2004, 57, 145-152.	2.9	32
76	Diversity and host specificity of the Verminephrobacterâ€“earthworm symbiosis. Environmental Microbiology, 2010, 12, 2142-2151.	1.8	32
77	The effect of soil pH and temperature on Folsomia candida transcriptional regulation. Journal of Insect Physiology, 2010, 56, 350-355.	0.9	31
78	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.	2.2	29
79	Mitigating N2O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm Lumbricus terrestris. Soil Biology and Biochemistry, 2017, 104, 95-107.	4.2	29
80	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. Scientific Data, 2021, 8, 136.	2.4	29
81	Effects of an anionic surfactant, linear alkylbenzene sulfonate, on survival, reproduction and growth of the soil-living collembolanFolsomia fimetaria. Environmental Toxicology and Chemistry, 1996, 15, 1745-1748.	2.2	28
82	Adaptations to overwintering in the earthworm Dendrobaena octaedra: Genetic differences in glucose mobilisation and freeze tolerance. Soil Biology and Biochemistry, 2007, 39, 2640-2650.	4.2	28
83	Can field populations of the enchytraeid, Cognettia sphagnetorum, adapt to increased drought stress?. Soil Biology and Biochemistry, 2008, 40, 1765-1771.	4.2	28
84	Increased frequency of drought reduces species richness of enchytraeid communities in both wet and dry heathland soils. Soil Biology and Biochemistry, 2012, 53, 43-49.	4.2	28
85	Earthworm distribution and abundance predicted by a process-based model. Applied Soil Ecology, 2014, 84, 112-123.	2.1	28
86	Lipophilic Contaminants Influence Cold Tolerance of Invertebrates through Changes in Cell Membrane Fluidity. Environmental Science & Technology, 2014, 48, 9797-9803.	4.6	28
87	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
88	Effects and risk assessment of linear alkylbenzene sulfonates in agricultural soil. 4. The influence of salt speciation, soil type, and sewage sludge on toxicity using the collembolanFolsomia fimetariaand the earthwormAporrectodea caliginosaas test organisms. Environmental Toxicology and Chemistry, 2001, 20, 1680-1689.	2.2	27
89	Cold acclimation and lipid composition in the earthworm Dendrobaena octaedra. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 147, 911-919.	0.8	27
90	Metabolic Changes during Estivation in the Common EarthwormAporrectodea caliginosa. Physiological and Biochemical Zoology, 2010, 83, 541-550.	0.6	27

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91	Metabolomic analysis of the selection response of Drosophila melanogaster to environmental stress: are there links to gene expression and phenotypic traits?. Die Naturwissenschaften, 2013, 100, 417-427.	0.6	27
92	EFFECTS OF AN ANIONIC SURFACTANT, LINEAR ALKYLBENZENE SULFONATE, ON SURVIVAL, REPRODUCTION AND GROWTH OF THE SOIL-LIVING COLLEMBOLAN FOLSOMIA FIMETARIAâ€"Short Communication. Environmental Toxicology and Chemistry, 1996, 15, 1745.	2.2	27
93	Polyol accumulation in earthworm cocoons induced by dehydration. Comparative Biochemistry and Physiology A, Comparative Physiology, 1995, 111, 251-255.	0.7	26
94	Field assessment of toxic effects on reproduction in the earthwormsAporrectodea longaandAporrectodea rosea. Environmental Toxicology and Chemistry, 2000, 19, 1781-1787.	2.2	26
95	The influence of nonylphenol on life-history of the earthworm Dendrobaena octaedra Savigny: linking effects from the individual- to the population-level. Ecotoxicology and Environmental Safety, 2004, 58, 147-159.	2.9	26
96	EFFECTS OF COPPER ON ENCHYTRAEIDS IN THE FIELD UNDER DIFFERING SOIL MOISTURE REGIMES. Environmental Toxicology and Chemistry, 2006, 25, 604.	2.2	26
97	Soil fauna communities and microbial respiration in high Arctic tundra soils at Zackenberg, Northeast Greenland. Polar Biology, 2006, 29, 189-195.	0.5	26
98	Slow desiccation improves dehydration tolerance and accumulation of compatible osmolytes in earthworm cocoons (Dendrobaena octaedraSavigny). Journal of Experimental Biology, 2008, 211, 1903-1910.	0.8	26
99	Changes in Membrane Phospholipids as a Mechanistic Explanation for Decreased Freeze Tolerance in Earthworms Exposed to Sublethal Copper Concentrations. Environmental Science & Technology, 2009, 43, 5495-5500.	4.6	26
100	Recovery of enchytraeid populations after severe drought events. Applied Soil Ecology, 2009, 42, 227-235.	2.1	26
101	Collembola feeding habits and niche specialization in agricultural grasslands of different composition. Soil Biology and Biochemistry, 2014, 74, 31-38.	4.2	26
102	Effects of an aged copper contamination on distribution of earthworms, reproduction and cocoon hatchability. Ecotoxicology and Environmental Safety, 2017, 135, 267-275.	2.9	26
103	Effects and risk assessment of linear alkylbenzene sulfonates in agricultural soil. 3. Sublethal effects on soil invertebrates. Environmental Toxicology and Chemistry, 2001, 20, 1673-1679.	2.2	25
104	Does lipophilicity of toxic compounds determine effects on drought tolerance of the soil collembolan Folsomia candida?. Environmental Pollution, 2006, 144, 808-815.	3.7	25
105	Hsp70 expression and metabolite composition in response to short-term thermal changes in Folsomia candida (Collembola). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, 177-183.	0.8	25
106	Beneficial Effect of Verminephrobacter Nephridial Symbionts on the Fitness of the Earthworm Aporrectodea tuberculata. Applied and Environmental Microbiology, 2010, 76, 4738-4743.	1.4	25
107	The ins and outs of water dynamics in cold tolerant soil invertebrates. Journal of Thermal Biology, 2014, 45, 117-123.	1.1	25
108	Long-term and realistic global change manipulations had low impact on diversity of soil biota in temperate heathland. Scientific Reports, 2017, 7, 41388.	1.6	25

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109	Overwintering adaptations in earthworms. Pedobiologia, 2003, 47, 504-510.	0.5	24
110	Tropical to subpolar gradient in phospholipid composition suggests adaptive tuning of biological membrane function in drosophilids. Functional Ecology, 2016, 30, 759-768.	1.7	24
111	Life-history traits and population growth rate in the laboratory of the earthworm Dendrobaena octaedra cultured in copper-contaminated soil. Applied Soil Ecology, 2007, 35, 46-56.	2.1	23
112	Combined effect of copper and prolonged summer drought on soil Microarthropods in the field. Environmental Pollution, 2007, 146, 525-533.	3.7	23
113	Determining factors for cryoprotectant accumulation in the freezeâ€tolerant earthworm, Dendrobaena octaedra. Journal of Experimental Zoology, 2007, 307A, 578-589.	1.2	23
114	Impacts of heavy metals, polyaromatic hydrocarbons, and pesticides on freeze tolerance of the earthworm Dendrobaena octaedra. Environmental Toxicology and Chemistry, 2009, 28, 2341-2347.	2.2	23
115	Enchytraeids in a changing climate: A mini-review. Pedobiologia, 2010, 53, 161-167.	0.5	23
116	Uptake and toxicity of polycyclic aromatic hydrocarbons in terrestrial springtailsâ€"studying bioconcentration kinetics and linking toxicity to chemical activity. Environmental Toxicology and Chemistry, 2013, 32, 361-369.	2.2	23
117	Effects of Past Copper Contamination and Soil Structure on Copper Leaching from Soil. Journal of Environmental Quality, 2013, 42, 1852-1862.	1.0	23
118	Cold acclimation reduces predation rate and reproduction but increases cold- and starvation tolerance in the predatory mite Gaeolaelaps aculeifer Canestrini. Biological Control, 2017, 114, 150-157.	1.4	23
119	Fast attrition of springtail communities by experimental drought and richnessâ€"decomposition relationships across Europe. Global Change Biology, 2019, 25, 2727-2738.	4.2	23
120	Variation in metallothionein gene expression is associated with adaptation to copper in the earthworm Dendrobaena octaedra. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 220-226.	1.3	22
121	Protaphorura tricampata, a euedaphic and highly permeable springtail that can sustain activity by osmoregulation during extreme drought. Journal of Insect Physiology, 2013, 59, 1104-1110.	0.9	22
122	Functional diversity of Collembola is reduced in soils subjected to shortâ€term, but not longâ€term, geothermal warming. Functional Ecology, 2018, 32, 1304-1316.	1.7	22
123	Risk assessment of linear alkylbenzene sulphonates, LAS, in agricultural soil revisited: Robust chronic toxicity tests for Folsomia candida (Collembola), Aporrectodea caliginosa (Oligochaeta) and Enchytraeus crypticus (Enchytraeidae). Chemosphere, 2007, 69, 872-879.	4.2	21
124	Organic matter flow in the food web at a temperate heath under multifactorial climate change. Rapid Communications in Mass Spectrometry, 2011, 25, 1485-1496.	0.7	21
125	Survival and metabolism of Rana arvalis during freezing. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 223-230.	0.7	20
126	Synergistic interaction between 4-nonylphenol and high but not low temperatures in Dendrobaena octaedra. Ecotoxicology and Environmental Safety, 2009, 72, 10-16.	2.9	20

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127	Low temperature survival in different life stages of the Iberian slug, Arion lusitanicus. Cryobiology, 2011, 62, 68-73.	0.3	20
128	Dose-response curve modeling of excess mortality caused by two forms of stress. Environmental and Ecological Statistics, 2002, 9, 195-200.	1.9	19
129	Effects of starvation and body mass on drought tolerance in the soil collembolan Folsomia candida. Journal of Insect Physiology, 2003, 49, 99-104.	0.9	19
130	Extending a combined dynamic energy budget matrix population model with a bayesian approach to assess variation in the intrinsic rate of population increase. An example in the earthworm Dendrobaena octaedra. Environmental Toxicology and Chemistry, 2007, 26, 2383-2388.	2.2	19
131	Recovery of reproduction after drought in the soil living Folsomia candida (Collembola). Soil Biology and Biochemistry, 2011, 43, 690-692.	4.2	19
132	The influence of temperature on life history traits in the Iberian slug, Arion lusitanicus. Annals of Applied Biology, 2013, 162, 80-88.	1.3	19
133	Estimation of earthworm cocoon development time and its use in studies of in situ reproduction rates. Applied Soil Ecology, 1997, 7, 73-82.	2.1	18
134	Genetic variation in desiccation tolerance of Dendrobaena octaedra cocoons originating from different climatic regions. Soil Biology and Biochemistry, 2003, 35, 119-124.	4.2	18
135	Direct measurement of ammonium excretion in soil microarthropods. Functional Ecology, 2004, 18, 612-615.	1.7	18
136	Low genetic variation for Dendrobaena octaedra from Greenland compared to populations from Europe and North America: Refuge or selection?. Pedobiologia, 2006, 50, 225-234.	0.5	18
137	Temporal gene expression profiles in a palaearctic springtail as induced by desiccation, cold exposure and during recovery. Functional Ecology, 2010, 24, 838-846.	1.7	18
138	Soil salinity increases survival of freezing in the enchytraeidEnchytraeus albidus. Journal of Experimental Biology, 2013, 216, 2732-40.	0.8	18
139	Accumulation of free amino acids during exposure to drought in three springtail species. Journal of Insect Physiology, 2015, 82, 114-121.	0.9	18
140	Mechanistic Effect Modeling of Earthworms in the Context of Pesticide Risk Assessment: Synthesis of the FORESEE Workshop. Integrated Environmental Assessment and Management, 2021, 17, 352-363.	1.6	18
141	The Role of Storage Lipids in the Relation between Fecundity, Locomotor Activity, and Lifespan of Drosophila melanogaster Longevity-Selected and Control Lines. PLoS ONE, 2015, 10, e0130334.	1.1	18
142	Seasonal changes in lipid composition and glycogen storage associated with freeze-tolerance of the earthworm, Dendrobaena octaedra. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 569-577.	0.7	17
143	The counteracting effects of elevated atmospheric CO2 concentrations and drought episodes: Studies of enchytraeid communities in a dry heathland. Soil Biology and Biochemistry, 2010, 42, 1958-1966.	4.2	17
144	Cold tolerance and freeze-induced glucose accumulation in three terrestrial slugs. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 443-449.	0.8	17

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145	Cocoon production of Aporrectodea longa Ude and Aporrectodea rosea Savigny (Oligochaeta;) Tj ETQq1 1 0.784314 rgBT /Overlock	4.2	16
146	Low impact of metal pollution on genetic variation in the earthworm Dendrobaena octaedra measured by allozymes. Pedobiologia, 2008, 52, 51-60.	0.5	16
147	Are commercial stocks of biological control agents genetically depauperate? â€“ A case study on the pirate bug Orius majusculus Reuter. Biological Control, 2018, 127, 31-38.	1.4	16
148	Antifreeze protein complements cryoprotective dehydration in the freeze-avoiding springtail Megaphorura arctica. Scientific Reports, 2020, 10, 3047.	1.6	16
149	A replicated climate change field experiment reveals rapid evolutionary response in an ecologically important soil invertebrate. Global Change Biology, 2016, 22, 2370-2379.	4.2	15
150	Headspace Passive Dosing of Volatile Hydrophobic Organic Chemicals from a Lipid Donorâ€"Linking Their Toxicity to Well-Defined Exposure for an Improved Risk Assessment. Environmental Science & Technology, 2019, 53, 13468-13476.	4.6	15
151	Drought tolerance in eggs and juveniles of the Iberian slug, Arion lusitanicus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 1001-1009.	0.7	14
152	Age-induced perturbation in cell membrane phospholipid fatty acid profile of longevity-selected Drosophila melanogaster and corresponding control lines. Experimental Gerontology, 2013, 48, 1362-1368.	1.2	14
153	Physiological and molecular responses of springtails exposed to phenanthrene and drought. Environmental Pollution, 2014, 184, 370-376.	3.7	14
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155	Multivariate metabolic profiling using 1H nuclear magnetic resonance spectroscopy of freeze-tolerant and freeze-intolerant earthworms exposed to frost. Cryo-Letters, 2003, 24, 347-58.	0.1	14
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