

# Heinz-R Kähler

## List of Publications by Year in descending order

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135  
papers

5,799  
citations

94433

37  
h-index

88630

70  
g-index

142  
all docs

142  
docs citations

142  
times ranked

6665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wildlife Ecotoxicology of Pesticides: Can We Track Effects to the Population Level and Beyond?. <i>Science</i> , 2013, 341, 759-765.	12.6	658
2	Interactions between effects of environmental chemicals and natural stressors: A review. <i>Science of the Total Environment</i> , 2010, 408, 3746-3762.	8.0	621
3	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 375-392.	11.4	346
4	Comparative embryotoxicity and proteotoxicity of three carrier solvents to zebrafish ( <i>Danio rerio</i> ) embryos. <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 378-388.	6.0	199
5	Trehalose and anhydrobiosis in tardigrades – evidence for divergence in responses to dehydration. <i>FEBS Journal</i> , 2008, 275, 281-288.	4.7	187
6	Temperature-dependent effects of the pesticides thiacloprid and diazinon on the embryonic development of zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , 2008, 86, 485-494.	4.0	109
7	Acute effects of diclofenac and DMSO to <i>Daphnia magna</i> : Immobilisation and hsp70-induction. <i>Chemosphere</i> , 2008, 73, 353-359.	8.2	108
8	Behavioural and developmental toxicity of chlorpyrifos and nickel chloride to zebrafish ( <i>Danio rerio</i> ). <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1015-1022.	6.0	108
9	Title is missing!. <i>Hydrobiologia</i> , 1997, 6, 57-73.	0.9	102
10	Sex steroid receptor evolution and signalling in aquatic invertebrates. <i>Ecotoxicology</i> , 2007, 16, 131-143.	2.4	98
11	Stress gene (hsp70) sequences and quantitative expression in <i>Milnesium tardigradum</i> (Tardigrada) during active and cryptobiotic stages. <i>Journal of Experimental Biology</i> , 2004, 207, 1607-1613.	1.7	92
12	Monitoring pollution in River Mureş, Romania, part II: Metal accumulation and histopathology in fish. <i>Environmental Monitoring and Assessment</i> , 2008, 141, 177-188.	2.7	86
13	Title is missing!. <i>Ecotoxicology</i> , 1997, 6, 249-262.	2.4	84
14	Expression of immune-regulatory genes in juvenile Chinook salmon following exposure to pesticides and infectious hematopoietic necrosis virus (IHNV). <i>Fish and Shellfish Immunology</i> , 2008, 25, 508-516.	3.6	80
15	Cellular hepatopancreatic reactions in <i>Porcellio scaber</i> (Isopoda) as biomarkers for the evaluation of heavy metal toxicity in soils. <i>Applied Soil Ecology</i> , 1996, 3, 1-15.	4.3	78
16	Effects of neurotoxic insecticides on heat-shock proteins and cytokine transcription in Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 182-190.	6.0	78
17	Stress Proteins (hsp70, hsp60) Induced in Isopods and Nematodes by Field Exposure to Metals in a Gradient near Avonmouth, UK. <i>Ecotoxicology</i> , 2004, 13, 739-755.	2.4	74
18	Cellular alterations in collembolan midgut cells as a marker of heavy metal exposure: ultrastructure and intracellular metal distribution. <i>Science of the Total Environment</i> , 1996, 181, 187-200.	8.0	69

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19	Localization of metals in cells of saprophagous soil arthropods (Isopoda, Diplopoda, Collembola). <i>Microscopy Research and Technique</i> , 2002, 56, 393-401.	2.2	66
20	The Impact of Environmental Chemicals on Wildlife Vertebrates. <i>Reviews of Environmental Contamination and Toxicology</i> , 2009, 198, 1-47.	1.3	60
21	Impact of the NSAID diclofenac on survival, development, behaviour and health of embryonic and juvenile stages of brown trout, <i>Salmo trutta f. fario</i> . <i>Science of the Total Environment</i> , 2017, 607-608, 1026-1036.	8.0	58
22	The impact of heavy metals on the grey garden slug, <i>Deroceras reticulatum</i> (Müller): Metal storage, cellular effects and semi-quantitative evaluation of metal toxicity. <i>Environmental Pollution</i> , 1996, 93, 327-343.	7.5	56
23	Influence of Nickel Chloride, Chlorpyrifos, and Imidacloprid in Combination with Different Temperatures on the Embryogenesis of the Zebrafish <i>Danio rerio</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 56, 238-243.	4.1	56
24	Cadmium tolerance in seven <i>Daphnia magna</i> clones is associated with reduced hsp70 baseline levels and induction. <i>Aquatic Toxicology</i> , 2009, 94, 131-137.	4.0	55
25	Title is missing!. <i>Hydrobiologia</i> , 2001, 8, 261-279.	0.9	53
26	Title is missing!. <i>Hydrobiologia</i> , 2001, 8, 161-178.	0.9	52
27	Biomarkers as diagnostic tools for evaluating effects of unknown past water quality conditions on stream organisms. <i>Ecotoxicology</i> , 2002, 11, 451-465.	2.4	50
28	Effects of 3,4-dichloroaniline and diazinon on different biological organisation levels of zebrafish ( <i>Danio rerio</i> ) embryos and larvae. <i>Ecotoxicology</i> , 2009, 18, 355-363.	2.4	49
29	Energy Reserves and Metal-storage Granules in the Hepatopancreas of <i>Oniscus asellus</i> and <i>Porcellio scaber</i> (Isopoda) from a Metal Gradient at Avonmouth, UK. <i>Ecotoxicology</i> , 2004, 13, 787-796.	2.4	48
30	Embryo development, stress protein (Hsp70) responses, and histopathology in zebrafish ( <i>Danio rerio</i> ). <i>Environmental Toxicology</i> , 2010, 25, 83-93.	4.0	46
31	Metallothionein and Hsp70 trade-off against one another in <i>Daphnia magna</i> cross-tolerance to cadmium and heat stress. <i>Aquatic Toxicology</i> , 2016, 170, 112-119.	4.0	46
32	Expression of the stress-70 protein family (HSP70) due to heavy metal contamination in the slug, <i>Deroceras reticulatum</i> : An approach to monitor sublethal stress conditions. <i>Chemosphere</i> , 1996, 33, 1327-1340.	8.2	45
33	The indicative value of the hsp70 stress response as a marker for metal effects in <i>Oniscus asellus</i> (Isopoda) field populations: variability between populations from metal-polluted and uncontaminated sites. <i>Applied Soil Ecology</i> , 1997, 6, 275-282.	4.3	45
34	Embryo toxicity of pesticides and heavy metals to the ramshorn snail, <i>Marisa cornuarietis</i> (Prosobranchia). <i>Chemosphere</i> , 2009, 75, 1539-1547.	8.2	44
35	Interaction between tolerance and 70kDa stress protein (hsp70) induction in collembolan populations exposed to long-term metal pollution. <i>Applied Soil Ecology</i> , 1999, 11, 43-52.	4.3	43
36	Snail phenotypic variation and stress proteins: do different heat response strategies contribute to Waddington's widget in field populations?. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 136-147.	1.3	42

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37	Snails in the sun: Strategies of terrestrial gastropods to cope with hot and dry conditions. <i>Ecology and Evolution</i> , 2019, 9, 12940-12960.	1.9	42
38	Endocrine regulation of the reproduction in crustaceans: Identification of potential targets for toxicants and environmental contaminants. <i>Biologia (Poland)</i> , 2008, 63, 139-150.	1.5	40
39	Divergent Kinetics of hsp70 Induction in <i>Oniscus asellus</i> (Isopoda) in Response to Four Environmentally Relevant Organic Chemicals (B[a]P, PCB52, <sup>13</sup> C-HCH, PCP): Suitability and Limits of a Biomarker. <i>Archives of Environmental Contamination and Toxicology</i> , 1999, 36, 179-185.	4.1	38
40	Pesticide and pathogen: Heat shock protein expression and acetylcholinesterase inhibition in juvenile Chinook salmon in response to multiple stressors. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1233-1242.	4.3	38
41	Quiescent gemmules of the freshwater sponge, <i>Spongilla lacustris</i> (Linnaeus, 1759), contain remarkably high levels of Hsp70 stress protein and hsp70 stress gene mRNA. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 449-457.	1.3	36
42	Assessing Toxicity of the Insecticide Thiocloprid on <i>Chironomus riparius</i> (Insecta: Diptera) Using Multiple End Points. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 963-972.	4.1	35
43	Invertebrates as indicators for chemical stress in sewage-influenced stream systems: Toxic and endocrine effects in gammarids and reactions at the community level in two tributaries of Lake Constance, Schussen and Argen. <i>Ecotoxicology and Environmental Safety</i> , 2014, 106, 115-125.	6.0	35
44	Biological plausibility as a tool to associate analytical data for micropollutants and effect potentials in wastewater, surface water, and sediments with effects in fishes. <i>Water Research</i> , 2015, 72, 127-144.	11.3	35
45	Uptake of platinum by zebrafish ( <i>Danio rerio</i> ) and ramshorn snail ( <i>Marisa cornuarietis</i> ) and resulting effects on early embryogenesis. <i>Chemosphere</i> , 2009, 77, 975-982.	8.2	33
46	Genotoxicity of platinum in embryos of zebrafish ( <i>Danio rerio</i> ) and ramshorn snail ( <i>Marisa</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	8.0	33
47	Title is missing!. <i>Ecotoxicology</i> , 1997, 6, 263-274.	2.4	31
48	Assessment of the cytotoxic impact of heavy metals on soil invertebrates using a protocol integrating qualitative and quantitative components. <i>Biomarkers</i> , 1998, 3, 109-127.	1.9	31
49	Critical Analysis of Soil Invertebrate Biomarkers: A Field Case Study in Avonmouth, UK. <i>Ecotoxicology</i> , 2004, 13, 817-822.	2.4	31
50	Bisphenol A in Artificial Indoor Streams: II. Stress Response and Gonad Histology in <i>Gammarus fossarum</i> (Amphipoda). <i>Ecotoxicology</i> , 2006, 15, 143-156.	2.4	31
51	Monitoring Pollution in River MureÅž, Romania, Part III: biochemical effect markers in fish and integrative reflection. <i>Environmental Monitoring and Assessment</i> , 2007, 127, 47-54.	2.7	30
52	Endocrine effects of contaminated sediments on the freshwater snail <i>Potamopyrgus antipodarum</i> in vivo and in the cell bioassays in vitro. <i>Aquatic Toxicology</i> , 2008, 89, 172-179.	4.0	30
53	Laboratory simulation of a mining accident: acute toxicity, hsc/hsp70 response, and recovery from stress in <i>Gammarus fossarum</i> (Crustacea, Amphipoda) exposed to a pulse of cadmium. <i>BioMetals</i> , 2003, 16, 391-401.	4.1	29
54	Histopathological alterations and induction of hsp70 in ramshorn snail ( <i>Marisa cornuarietis</i> ) and zebrafish ( <i>Danio rerio</i> ) embryos after exposure to PtCl <sub>2</sub> . <i>Aquatic Toxicology</i> , 2010, 99, 100-107.	4.0	29

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55	Are In Vitro Methods for the Detection of Endocrine Potentials in the Aquatic Environment Predictive for In Vivo Effects? Outcomes of the Projects SchussenAktiv and SchussenAktivplus in the Lake Constance Area, Germany. PLoS ONE, 2014, 9, e98307.	2.5	29
56	Does the antidiabetic drug metformin affect embryo development and the health of brown trout ( <i>Salmo trutta f. fario</i> )?. Environmental Sciences Europe, 2018, 30, 48.	5.5	29
57	How glyphosate and its associated acidity affect early development in zebrafish ( <i>Danio rerio</i> ). PeerJ, 2019, 7, e7094.	2.0	28
58	Heat tolerance in Mediterranean land snails: histopathology after exposure to different temperature regimes. Journal of Molluscan Studies, 2009, 75, 9-18.	1.2	27
59	Turning snails into slugs: induced body plan changes and formation of an internal shell. Evolution & Development, 2010, 12, 474-483.	2.0	27
60	Impact of wastewater on fish health: a case study at the Neckar River (Southern Germany) using biomarkers in caged brown trout as assessment tools. Environmental Science and Pollution Research, 2015, 22, 11822-11839.	5.3	27
61	Lead-induced hsp70 and hsp60 pattern transformation and leg malformation during postembryonic development in the oribatid mite, <i>Archegozetes longisetosus</i> Aoki. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2005, 141, 398-405.	2.6	26
62	Polystyrene microplastics do not affect juvenile brown trout ( <i>Salmo trutta f. fario</i> ) or modulate effects of the pesticide methiocarb. Environmental Sciences Europe, 2020, 32, .	5.5	26
63	Establishing Causality between Pollution and Effects at Different Levels of Biological Organization: The VALIMAR Project. Human and Ecological Risk Assessment (HERA), 2003, 9, 171-194.	3.4	24
64	The importance of sediments in ecological quality assessment of stream headwaters: embryotoxicity along the Nidda River and its tributaries in Central Hesse, Germany. Environmental Sciences Europe, 2018, 30, 22.	5.5	24
65	Solar radiation stress in climbing snails: behavioural and intrinsic features define the Hsp70 level in natural populations of <i>Xeropicta derbentina</i> (Pulmonata). Cell Stress and Chaperones, 2012, 17, 717-727.	2.9	22
66	SchussenAktivplus: reduction of micropollutants and of potentially pathogenic bacteria for further water quality improvement of the river Schussen, a tributary of Lake Constance, Germany. Environmental Sciences Europe, 2013, 25, .	5.5	22
67	Developmental and subcellular effects of chronic exposure to sub-lethal concentrations of ammonia, PAH and PCP mixtures in brown trout ( <i>Salmo trutta f. fario</i> L.) early life stages. Aquatic Toxicology, 2003, 65, 39-54.	4.0	21
68	Can mouth part deformities of <i>Chironomus riparius</i> serve as indicators for water and sediment pollution? A laboratory approach. Journal of Soils and Sediments, 2010, 10, 414-422.	3.0	21
69	Stress protein response (Hsp70) and avoidance behaviour in <i>Eisenia fetida</i> , <i>Aporrectodea caliginosa</i> and <i>Lumbricus terrestris</i> when exposed to imidacloprid. Journal of Soils and Sediments, 2012, 12, 198-206.	3.0	21
70	Validation of <i>hsp70</i> stress gene expression as a marker of metal effects in <i>Deroceras reticulatum</i> (pulmonata): Correlation with demographic parameters. Environmental Toxicology and Chemistry, 1998, 17, 2246-2253.	4.3	20
71	Hsp70 and lipid peroxide levels following heat stress in <i>Xeropicta derbentina</i> (Krynicky 1836) (Gastropoda, Pulmonata) with regard to different colour morphs. Cell Stress and Chaperones, 2015, 20, 159-168.	2.9	20
72	Does wastewater treatment plant upgrading with activated carbon result in an improvement of fish health?. Aquatic Toxicology, 2017, 192, 184-197.	4.0	20

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73	Impact of the antidepressant citalopram on the behaviour of two different life stages of brown trout. PeerJ, 2020, 8, e8765.	2.0	20
74	Growth-Promoting Gold Nanoparticles Decrease Stress Responses in Arabidopsis Seedlings. Nanomaterials, 2021, 11, 3161.	4.1	20
75	Histopathological effects of copper and lithium in the ramshorn snail, <i>Marisa cornuarietis</i> (Gastropoda, Prosobranchia). Chemosphere, 2011, 85, 1033-1039.	8.2	19
76	Daily and seasonal changes in heat exposure and the Hsp70 level of individuals from a field population of <i>Xeropicta derbentina</i> (Krynicky 1836) (Pulmonata, Hygromiidae) in Southern France. Cell Stress and Chaperones, 2013, 18, 405-414.	2.9	19
77	A sublethal imidacloprid concentration alters foraging and competition behaviour of ants. Ecotoxicology, 2016, 25, 814-823.	2.4	19
78	Interacting Effects of Polystyrene Microplastics and the Antidepressant Amitriptyline on Early Life Stages of Brown Trout ( <i>Salmo trutta</i> f. <i>fario</i> ). Water (Switzerland), 2020, 12, 2361.	2.7	19
79	The impact of lead on the assimilation efficiency of laboratory-held Diplopoda (Arthropoda) preconditioned in different environmental situations. Oecologia, 1992, 90, 113-119.	2.0	18
80	Title is missing!. Hydrobiologia, 2001, 8, 319-336.	0.9	18
81	Heat tolerance and recovery in Mediterranean land snails after pre-exposure in the field. Journal of Molluscan Studies, 2011, 77, 165-174.	1.2	18
82	Reduction of dioxin-like toxicity in effluents by additional wastewater treatment and related effects in fish. Ecotoxicology and Environmental Safety, 2016, 132, 47-58.	6.0	18
83	Impairment of trophic interactions between zebrafish ( <i>Danio rerio</i> ) and midge larvae ( <i>Chironomus</i> ) Tj ETQq1 1 0.784314 rgBT/Overlock	2.4	17
84	Cellular and Stress Protein Responses to the UV Filter 3-Benzylidene Camphor in the Amphipod Crustacean <i>Gammarus fossarum</i> (Koch 1835). Archives of Environmental Contamination and Toxicology, 2008, 54, 684-689.	4.1	16
85	Metal sensitivity of the embryonic development of the ramshorn snail <i>Marisa cornuarietis</i> (Prosobranchia). Ecotoxicology, 2010, 19, 1487-1495.	2.4	16
86	Shell colour polymorphism, injuries and immune defense in three helicid snail species, <i>Cepaea hortensis</i> , <i>Theba pisana</i> and <i>Cornu aspersum</i> maximum. Results in Immunology, 2013, 3, 73-78.	2.2	16
87	Fish embryo tests with <i>Danio rerio</i> as a tool to evaluate surface water and sediment quality in rivers influenced by wastewater treatment plants using different treatment technologies. Environmental Science and Pollution Research, 2015, 22, 16405-16416.	5.3	16
88	Two novel real time cell-based assays quantify beta-blocker and NSAID specific effects in effluents of municipal wastewater treatment plants. Water Research, 2017, 115, 74-83.	11.3	16
89	Freshwater ecosystems profit from activated carbon-based wastewater treatment across various levels of biological organisation in a short timeframe. Environmental Sciences Europe, 2019, 31, .	5.5	16
90	Intraspecific Variation in Cellular and Biochemical Heat Response Strategies of Mediterranean <i>Xeropicta derbentina</i> [Pulmonata, Hygromiidae]. PLoS ONE, 2014, 9, e86613.	2.5	16

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91	Shell colouration and parasite tolerance in two helicoid snail species. <i>Journal of Invertebrate Pathology</i> , 2014, 117, 1-8.	3.2	15
92	Chronic toxicity of contaminated sediments on reproduction and histopathology of the crustacean <i>Gammarus fossarum</i> and relationship with the chemical contamination and in vitro effects. <i>Journal of Soils and Sediments</i> , 2010, 10, 423-433.	3.0	14
93	Colour polymorphism and thermal capacities in <i>Theba pisana</i> (O.F. Müller 1774). <i>Journal of Thermal Biology</i> , 2012, 37, 462-467.	2.5	14
94	Embryotoxic and proteotoxic effects of water and sediment from the Neckar River (Southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	5.5	14
95	Relevance of body size and shell colouration for thermal absorption and heat loss in white garden snails, <i>Theba pisana</i> (Helicidae), from Northern France. <i>Journal of Thermal Biology</i> , 2017, 69, 54-63.	2.5	14
96	Impact of a Wastewater Treatment Plant Upgrade on Amphipods and Other Macroinvertebrates: Individual and Community Responses. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	14
97	Variation in stress protein levels (hsp70 and hsp90) in relation to oocyte development in <i>Gammarus fossarum</i> (Koch 1835). <i>Invertebrate Reproduction and Development</i> , 2004, 45, 161-167.	0.8	13
98	Does the Environment or the Source of the Population Define Stress Status and Energy Supply in the Freshwater Amphipod, <i>Gammarus fossarum</i> ?. <i>Ecotoxicology</i> , 2004, 13, 683-695.	2.4	13
99	Impact of the Antidiabetic Drug Metformin and Its Transformation Product Guanylurea on the Health of the Big Ramshorn Snail ( <i>Planorbium corneum</i> ). <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	13
100	Experimental simulation of environmental warming selects against pigmented morphs of land snails. <i>Ecology and Evolution</i> , 2021, 11, 1111-1130.	1.9	13
101	Effects of inbreeding on mouthpart deformities of <i>Chironomus riparius</i> under sublethal pesticide exposure. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 423-425.	4.3	12
102	Antioxidant defense and stress protein induction following heat stress in the Mediterranean snail <i>Xeropicta derbentina</i> [Pulmonata, Hygromiidae]. <i>Journal of Experimental Biology</i> , 2014, 217, 4399-405.	1.7	12
103	Biochemical and cellular biomarkers in brown trout ( <i>Salmo trutta f. fario</i> ) in response to the antidepressants citalopram and venlafaxine. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	11
104	Influence of different wastewater treatment technologies on genotoxicity and dioxin-like toxicity in effluent-exposed fish. <i>Environmental Sciences Europe</i> , 2018, 30, .	5.5	10
105	Colour change: A novel biomarker indicating sublethal stress in the millipede <i>Julus scandinavius</i> (Diplopoda). <i>Biomarkers</i> , 1996, 1, 99-106.	1.9	9
106	Differential expression of heat shock protein 70 in relation to stress type in the flatworm <i>Schmidtea polychroa</i> . <i>Hydrobiologia</i> , 2009, 636, 393-400.	2.0	9
107	70 kD stress protein (Hsp70) analysis in living shallow-water benthic foraminifera. <i>Marine Biology Research</i> , 2012, 8, 677-681.	0.7	9
108	Historic data analysis reveals ambient temperature as a source of phenotypic variation in populations of the land snail <i>Theba pisana</i> . <i>Biological Journal of the Linnean Society</i> , 2013, 109, 241-256.	1.6	9

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109	Does Bti ( <i>Bacillus thuringiensis</i> var. <i>israelensis</i> ) affect <i>Rana temporaria</i> tadpoles?. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 121-129.	6.0	9
110	Behavioral and Developmental Changes in Brown Trout After Exposure to the Antidepressant Venlafaxine. <i>Frontiers in Environmental Science</i> , 2021, 8, .	3.3	9
111	Effects of the Antidepressants Citalopram and Venlafaxine on the Big Ramshorn Snail ( <i>Planorbis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.7	9
112	Integrated toxicity evaluation of a pulp deposit using organisms of different trophic levels. <i>Journal of Soils and Sediments</i> , 2013, 13, 1611-1625.	3.0	8
113	Monitoring Primary Effects of Pharmaceuticals in the Aquatic Environment with Mode of Action-Specific in Vitro Biotests. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2594-2595.	10.0	8
114	VALIDATION OF hsp70 STRESS GENE EXPRESSION AS A MARKER OF METAL EFFECTS IN <i>DEROCERAS RETICULATUM</i> (PULMONATA): CORRELATION WITH DEMOGRAPHIC PARAMETERS. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 2246.	4.3	8
115	Effects of guanylyurea, the transformation product of the antidiabetic drug metformin, on the health of brown trout ( <i>Salmo trutta</i> f. <i>fario</i> ). <i>PeerJ</i> , 2019, 7, e7289.	2.0	8
116	Stress im Boden: FrÃ¼herkennung Ã¶kotoxikologischer Effekte durch Biomarker. <i>Biologie in Unserer Zeit</i> , 2004, 34, 240-248.	0.2	7
117	Phenotypic diversity, population structure and stress protein-based capacitors in populations of <i>Xeropicta derbentina</i> , a heat-tolerant land snail species. <i>Cell Stress and Chaperones</i> , 2014, 19, 791-800.	2.9	7
118	The first record of tardigrades (Tardigrada) from the Sinai Peninsula, Egypt. <i>Zoology in the Middle East</i> , 2007, 42, 83-88.	0.6	6
119	Water quality assessment in the "German River of the years 2014/2015": how a case study on the impact of a storm water sedimentation basin displayed impairment of fish health in the Argen River (Southern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.7	6
120	Nano-sized zeolites as modulators of thiacloprid toxicity on <i>Chironomus riparius</i> . <i>PeerJ</i> , 2017, 5, e3525.	2.0	6
121	Acetylcholinesterase activity in the terrestrial snail <i>Xeropicta derbentina</i> transplanted in apple orchards with different pesticide management strategies. <i>Environmental Pollution</i> , 2011, 159, 319-323.	7.5	5
122	An intron-containing, heat-inducible stress-70 gene in the millipede <i>Tachypodoiulus niger</i> (Julidae.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	5
123	Nano-sized Al <sub>2</sub> O <sub>3</sub> reduces acute toxic effects of thiacloprid on the non-biting midge <i>Chironomus riparius</i> . <i>PLoS ONE</i> , 2017, 12, e0176356.	2.5	5
124	External and internal shell formation in the ramshorn snail <i>Marisa cornuarietis</i> are extremes in a continuum of gradual variation in development. <i>BMC Developmental Biology</i> , 2013, 13, 22.	2.1	4
125	Peregrine falcon egg pollutants. <i>Toxicological and Environmental Chemistry</i> , 2016, 98, 886-923.	1.2	4
126	Drifting Away of a FET Endpoint: The Heart Rate in <i>Danio rerio</i> Embryos is Extremely Sensitive to Variation in Ambient Temperature. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 684-689.	2.7	4



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127	Arresting mantle formation and redirecting embryonic shell gland tissue by platinum <sup>2+</sup> leads to body plan modifications in <i>Marisa cornuarietis</i> (Gastropoda, Ampullariidae). <i>Journal of Morphology</i> , 2012, 273, 830-841.	1.2	3
128	Role of ambient wavelength, shell size and pigmentation intensity in the heating of Mediterranean <i>Theba pisana</i> (Eupulmonata: Helicidae). <i>Journal of Molluscan Studies</i> , 2020, 86, 249-253.	1.2	2
129	Heart rate as an early warning parameter and proxy for subsequent mortality in <i>Danio rerio</i> embryos exposed to ionisable substances. <i>Science of the Total Environment</i> , 2022, 818, 151744.	8.0	2
130	Fish health in the Nidda as an indicator for ecosystem integrity: a case study for Central European small streams in densely populated areas. <i>Environmental Sciences Europe</i> , 2022, 34, .	5.5	2
131	Modeling the oxygen uptake, transport and consumption in an estivating terrestrial snail, <i>Xeropicta derbentina</i> , by the Colburn analogy. <i>PLoS ONE</i> , 2021, 16, e0251379.	2.5	1
132	Thermobiological effects of temperature-induced color variations in <i>Aglais urticae</i> (Lepidoptera). <i>Tj ETQq0 0,0 rgBT /Qverlock 10</i>	1.9	1
133	Comments on Wijnhoven et al. (2003)*. <i>Aquatic Ecology</i> , 2003, 37, 447-448.	1.5	0
134	PIXE-electrophoresis shows starving collembolan reallocates protein-bound metals. <i>Ecotoxicology</i> , 2016, 25, 115-120.	2.4	0
135	TGF- $\beta$ 2 signalling is involved in torsion and shell positioning in the giant ramshorn snail <i>Marisa cornuarietis</i> (Gastropoda: Ampullariidae). <i>Journal of Molluscan Studies</i> , 2019, 85, 1-10.	1.2	0