Sebastian HÃ¶ss

List of Publications by Year
in descending order

64 papers	2,327 citations	186265 28 h-index	214800 47 g-index
65 all docs	65 docs citations	65 times ranked	2259 citing authors

#	Article	IF	Citations
1	Nematode Community of a Natural Grassland Responds Sensitively to the Broadâ€Spectrum Fungicide Mancozeb in Soil Microcosms. Environmental Toxicology and Chemistry, 2022, 41, 2420-2430.	4.3	2
2	Added value of the NemaSPEAR[%]-index to routinely used macrofauna-based indices for assessing the quality of freshwater sediments. Ecological Indicators, 2021, 121, 107015.	6.3	7
3	Food bacteria and synthetic microparticles of similar size influence pharyngeal pumping of Caenorhabditis elegans. Aquatic Toxicology, 2021, 235, 105827.	4.0	7
4	On the balance between practical relevance and standardization - Testing the effects of zinc and pyrene on native nematode communities in soil microcosms. Science of the Total Environment, 2021, 788, 147742.	8.0	7
5	Response of a nematode community to the fungicide fludioxonil in sediments of outdoor freshwater microcosms compared to a single species toxicity test. Science of the Total Environment, 2020, 710, 135627.	8.0	7
6	Nematodes as bioindicators of polluted sediments using metabarcoding and microscopic taxonomy. Environment International, 2020, 143, 105922.	10.0	25
7	Dataset supporting the use of nematodes as bioindicators of polluted sediments. Data in Brief, 2020, 32, 106087.	1.0	3
8	Free-living nematode communities in a large and deep oligotrophic lake in Europe: comparison of different depth zones of Lake Constance (Germany). Nematology, 2020, 23, 69-87.	0.6	3
9	Oxygen consumption rate of Caenorhabditis elegans as a high-throughput endpoint of toxicity testing using the Seahorse XFe96 Extracellular Flux Analyzer. Scientific Reports, 2020, 10, 4239.	3.3	13
10	Limited effects of pesticides on stream macroinvertebrates, biofilm nematodes, and algae in intensive agricultural landscapes in Sweden. Water Research, 2020, 174, 115640.	11.3	20
11	Species-specific effects of long-term microplastic exposure on the population growth of nematodes, with a focus on microplastic ingestion. Ecological Indicators, 2020, 118, 106698.	6.3	40
12	Effects of waste materials on Caenorhabditis elegans (Nematoda) using the ISO standard soil toxicity test. Environmental Science and Pollution Research, 2019, 26, 26304-26312.	5.3	7
13	Comparing the effects of fludioxonil on non-target soil invertebrates using ecotoxicological methods from single-species bioassays to model ecosystems. Ecotoxicology and Environmental Safety, 2019, 183, 109596.	6.0	11
14	Tolerance of freeâ€living nematode species to imidacloprid and diuron. Invertebrate Biology, 2019, 138, e12272.	0.9	6
15	Glyphosate, a chelating agentâ€"relevant for ecological risk assessment?. Environmental Science and Pollution Research, 2018, 25, 5298-5317.	5.3	139
16	Is Caenorhabditis elegans representative of freshwater nematode species in toxicity testing?. Environmental Science and Pollution Research, 2018, 25, 2879-2888.	5.3	21
17	Response of nematode communities to metals and PAHs in freshwater microcosms. Ecotoxicology and Environmental Safety, 2018, 148, 244-253.	6.0	17
18	Reply to the letter to the editor by Swarthout et al. (2018): Comments for Mertens et al. (2018), Glyphosate, a chelating agentâ€"relevant for ecological risk assessment?. Environmental Science and Pollution Research, 2018, 25, 27664-27666.	5.3	2

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19	Linking ecological health to co-occurring organic and inorganic chemical stressors in a groundwater-fed stream system. Science of the Total Environment, 2018, 642, 1153-1162.	8.0	21
20	Bioavailability and toxicity of pyrene in soils upon biochar and compost addition. Science of the Total Environment, 2017, 595, 132-140.	8.0	39
21	The use of meiofauna in freshwater sediment assessments: Structural and functional responses of meiobenthic communities to metal and organics contamination. Ecological Indicators, 2017, 78, 512-525.	6.3	12
22	Validating the NemaSPEAR[%]-index for assessing sediment quality regarding chemical-induced effects on benthic communities in rivers. Ecological Indicators, 2017, 73, 52-60.	6.3	27
23	Passive Dosing in Chronic Toxicity Tests with the Nematode <i>Caenorhabditis elegans</i>. Environmental Science & Technology, 2016, 50, 9708-9716.	10.0	29
24	A comparative approach using ecotoxicological methods from singleâ€species bioassays to model ecosystems. Environmental Toxicology and Chemistry, 2016, 35, 2987-2997.	4.3	18
25	Laudation to PD Dr. Wolfgang Ahlf: towards integrated approaches in sediment toxicology and its transfer to sediment quality guidelines. Environmental Sciences Europe, 2015, 27, .	5.5	0
26	Response of bacteria and meiofauna to iron oxide colloids in sediments of freshwater microcosms. Environmental Toxicology and Chemistry, 2015, 34, 2660-2669.	4.3	6
27	Risk assessment of the cultivation of a stacked Bt-maize variety (MON89034ÂÃ—ÂMON88017) for nematode communities. Soil Biology and Biochemistry, 2015, 91, 109-118.	8.8	8
28	Size- and Composition-Dependent Toxicity of Synthetic and Soil-Derived Fe Oxide Colloids for the Nematode<i>Caenorhabditis elegans</i>. Environmental Science & Technology, 2015, 49, 544-552.	10.0	36
29	Small-scale microcosms to detect chemical induced changes in soil nematode communities â€" Effects of crystal proteins and Bt-maize plant material. Science of the Total Environment, 2014, 472, 662-671.	8.0	19
30	Effects of insecticidal crystal proteins (Cry proteins) produced by genetically modified maize (Bt) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	7.5	24
31	Sediment contact tests as a tool for the assessment of sediment quality in German waters. Environmental Toxicology and Chemistry, 2013, 32, 144-155.	4.3	50
32	Meiobenthic community patterns of oligotrophic and deep Lake Constance in relation to water depth and nutrients. Fundamental and Applied Limnology, 2012, 180, 233-248.	0.7	57
33	Assessing the impact of chemical pollution on benthic invertebrates from three different European rivers using a weight-of-evidence approach. Science of the Total Environment, 2012, 438, 498-509.	8.0	43
34	Interlaboratory comparison of a standardized toxicity test using the nematode <i>Caenorhabditis elegans</i> (ISO 10872). Environmental Toxicology and Chemistry, 2012, 31, 1525-1535.	4.3	51
35	Organic carbon source in formulated sediments influences life traits and gene expression of Caenorhabditis elegans. Ecotoxicology, 2012, 21, 557-568.	2.4	10
36	Toxicity of Ingested Cadmium to the Nematode Caenorhabditis elegans. Environmental Science & Technology, 2011, 45, 10219-10225.	10.0	48

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37	Toxicity assessment of sediments from three European river basins using a sediment contact test battery. Ecotoxicology and Environmental Safety, 2011, 74, 123-131.	6.0	75
38	Nematode species at risk â€" A metric to assess pollution in soft sediments of freshwaters. Environment International, 2011, 37, 940-949.	10.0	91
39	Assessing the risk posed to free-living soil nematodes by a genetically modified maize expressing the insecticidal Cry3Bb1 protein. Science of the Total Environment, 2011, 409, 2674-2684.	8.0	39
40	Using meiofauna to assess pollutants in freshwater sediments: A microcosm study with cadmium. Environmental Toxicology and Chemistry, 2011, 30, 427-438.	4.3	33
41	Variability of sediment-contact tests in freshwater sediments with low-level anthropogenic contamination â€" Determination of toxicity thresholds. Environmental Pollution, 2010, 158, 2999-3010.	7.5	77
42	Assessing effects of the pharmaceutical ivermectin on meiobenthic communities using freshwater microcosms. Aquatic Toxicology, 2010, 99, 126-137.	4.0	59
43	Gene expression profiling to characterize sediment toxicity â€" a pilot study using Caenorhabditis elegans whole genome microarrays. BMC Genomics, 2009, 10, 160.	2.8	68
44	Assessing the toxicity of contaminated soils using the nematode Caenorhabditis elegans as test organism. Ecotoxicology and Environmental Safety, 2009, 72, 1811-1818.	6.0	79
45	Bioaccumulation and toxicity of a cationic surfactant (DODMAC) in sediment dwelling freshwater invertebrates. Environmental Pollution, 2008, 153, 184-191.	7.5	17
46	Effects of transgenic corn and Cry1Ab protein on the nematode, Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2008, 70, 334-340.	6.0	54
47	Nematode communities in contaminated river sediments. Environmental Pollution, 2007, 146, 64-76.	7.5	73
48	Endocrine disruption in nematodes: effects and mechanisms. Ecotoxicology, 2007, 16, 15-28.	2.4	72
49	Chronic toxicity of sediment-associated linear alkylbenzene sulphonates (LAS) to freshwater benthic organisms. Environmental Pollution, 2006, 144, 661-668.	7.5	17
50	INFLUENCE OF 4-NONYLPHENOL ON THE STRUCTURE OF NEMATODE COMMUNITIES IN FRESHWATER MICROCOSMS. Environmental Toxicology and Chemistry, 2004, 23, 1268.	4.3	35
51	Hormonelike effects of humic substances on fish, amphibians, and invertebrates. Environmental Toxicology, 2004, 19, 409-411.	4.0	28
52	Chapter 15 Nematodes. Trace Metals and Other Contaminants in the Environment, 2003, 6, 529-554.	0.1	5
53	Enhanced growth and reproduction of Caenorhabditis elegans (Nematoda) in the presence of 4-Nonylphenol. Environmental Pollution, 2002, 120, 169-172.	7.5	39
54	Measurement of movement patterns of Caenorhabditis elegans (Nematoda) with the Multispecies Freshwater BiomonitorÂ® (MFB)â€"a potential new method to study a behavioral toxicity parameter of nematodes in sediments. Environmental Pollution, 2002, 120, 513-516.	7.5	32

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55	Further Evidence that Humic Substances Have the Potential to Modulate the Reproduction of the Nematode Caenorhabditis elegans. International Review of Hydrobiology, 2002, 87, 121.	0.9	18
56	Refractory dissolved organic matter can influence the reproduction ofCaenorhabditis elegans(Nematoda). Freshwater Biology, 2001, 46, 1-10.	2.4	71
57	Toxicity of cadmium to <i>Caenorhabditis elegans</i> (Nematoda) in whole sediment and pore waterâ€"the ambiguous role of organic matter. Environmental Toxicology and Chemistry, 2001, 20, 2794-2801.	4.3	56
58	Relationship between concentration of dissolved organic matter (DOM) and the effect of DOM on the bioconcentration of benzo[a]pyrene. Aquatic Toxicology, 1999, 45, 147-158.	4.0	66
59	EFFECTS OF QUANTITY, QUALITY, AND CONTACT TIME OF DISSOLVED ORGANIC MATTER ON BIOCONCENTRATION OF BENZO[a]PYRENE IN THE NEMATODE CAENORHABDITIS ELEGANS. Environmental Toxicology and Chemistry, 1999, 18, 459.	4.3	4
60	Effects of dissolved organic matter (DOM) on the bioconcentration of organic chemicals in aquatic organisms â€" a review â€". Chemosphere, 1998, 37, 1335-1362.	8.2	255
61	Influence of Particle Size Distribution and Content of Organic Matter on the Toxicity of Copper in Sediment Bioassays Using Caenorhabditis Elegans (Nematoda). Water, Air, and Soil Pollution, 1997, 99, 689-695.	2.4	0
62	ECOTOXICOLOGICAL ASSESSMENT OF AQUATIC SEDIMENTS WITH CAENORHABDITIS ELEGANS (NEMATODA)â€"A METHOD FOR TESTING LIQUID MEDIUM AND WHOLE-SEDIMENT SAMPLES. Environmental Toxicology and Chemistry, 1997, 16, 245.	4.3	119
63	Soil organisms as an essential element of a monitoring plan to identify the effects of GMO cultivation. Requirements â€" Methodology â€" Standardisation. BioRisk, 0, 8, 73-87.	0.2	9
64	Biochemical and Biological Characterization: Effects of Dissolved Organic Matter on the Bioconcentration of Organic Contaminants and on Reproduction in Aquatic Invertebrates. , 0, , 361-381.		1