

Henriette Selck

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

1,841

citations

26

h-index

41

g-index

66

ext. papers

2,057

ext. citations

5.2

avg, IF

4.88

L-index

#	Paper	IF	Citations
66	Microplastics: addressing ecological risk through lessons learned. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 945-53	3.8	180
65	Nanomaterials in the aquatic environment: A European Union-United States perspective on the status of ecotoxicity testing, research priorities, and challenges ahead. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1055-67	3.8	119
64	Occurrence and ecological risk assessment of emerging organic chemicals in urban rivers: Guangzhou as a case study in China. <i>Science of the Total Environment</i> , 2017 , 589, 46-55	10.2	94
63	Toxic effects and bioaccumulation of nano-, micron- and ionic-Ag in the polychaete, <i>Nereis diversicolor</i> . <i>Aquatic Toxicology</i> , 2011 , 105, 403-11	5.1	81
62	Trophic transfer of metal-based nanoparticles in aquatic environments: a review and recommendations for future research focus. <i>Environmental Science: Nano</i> , 2016 , 3, 966-981	7.1	67
61	Effects of sediment-associated copper to the deposit-feeding snail, <i>Potamopyrgus antipodarum</i> : a comparison of Cu added in aqueous form or as nano- and micro-CuO particles. <i>Aquatic Toxicology</i> , 2012 , 106-107, 114-22	5.1	67
60	Effects of chronic metal exposure and sediment organic matter on digestive absorption efficiency of cadmium by the deposit-feeding polychaete <i>Capitella</i> species I. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 1289-1297	3.8	64
59	Toxicity and bioaccumulation of sediment-associated silver nanoparticles in the estuarine polychaete, <i>Nereis (Hediste) diversicolor</i> . <i>Aquatic Toxicology</i> , 2014 , 156, 106-15	5.1	54
58	Explaining differences between bioaccumulation measurements in laboratory and field data through use of a probabilistic modeling approach. <i>Integrated Environmental Assessment and Management</i> , 2012 , 8, 42-63	2.5	54
57	Effects, Uptake, and Depuration Kinetics of Silver Oxide and Copper Oxide Nanoparticles in a Marine Deposit Feeder, <i>Macoma balthica</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 760-767	8.3	54
56	Toxic mechanisms of copper oxide nanoparticles in epithelial kidney cells. <i>Toxicology in Vitro</i> , 2015 , 29, 1053-9	3.6	52
55	Toxicity and toxicokinetics of cadmium in <i>Capitella</i> sp. I: relative importance of water and sediment as routes of cadmium uptake. <i>Marine Ecology - Progress Series</i> , 1998 , 164, 167-178	2.6	51
54	An assessment of the importance of exposure routes to the uptake and internal localisation of fluorescent nanoparticles in zebrafish (<i>Danio rerio</i>), using light sheet microscopy. <i>Nanotoxicology</i> , 2017 , 11, 351-359	5.3	38
53	Toxicity of CuO nanoparticles and Cu ions to tight epithelial cells from <i>Xenopus laevis</i> (A6): effects on proliferation, cell cycle progression and cell death. <i>Toxicology in Vitro</i> , 2013 , 27, 1596-601	3.6	38
52	Influence of copper oxide nanoparticle shape on bioaccumulation, cellular internalization and effects in the estuarine sediment-dwelling polychaete, <i>Nereis diversicolor</i> . <i>Marine Environmental Research</i> , 2015 , 111, 89-98	3.3	37
51	Effects of the polycyclic musk HHCB on individual- and population-level endpoints in <i>Potamopyrgus antipodarum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1190-9	7	34
50	Biotransformation and genotoxicity of fluoranthene in the deposit-feeding polychaete <i>Capitella</i> sp. I. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2977-85	3.8	34

49	Comparing sensitivity of ecotoxicological effect endpoints between laboratory and field. <i>Ecotoxicology and Environmental Safety</i> , 2002 , 52, 97-112	7	34
48	Biotransformation of dissolved and sediment-bound fluoranthene in the polychaete, <i>Capitella</i> sp. I. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2364-74	3.8	33
47	Bioaccumulation and effects of different-shaped copper oxide nanoparticles in the deposit-feeding snail <i>Potamopyrgus antipodarum</i> . <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1976-87	3.8	32
46	Effects of copper oxide nanoparticles and copper ions to zebrafish (<i>Danio rerio</i>) cells, embryos and fry. <i>Toxicology in Vitro</i> , 2017 , 45, 89-100	3.6	32
45	Accumulation and effects of sediment-associated silver nanoparticles to sediment-dwelling invertebrates. <i>Aquatic Toxicology</i> , 2015 , 166, 96-105	5.1	31
44	Quantifying uncertainty in the trophic magnification factor related to spatial movements of organisms in a food web. <i>Integrated Environmental Assessment and Management</i> , 2015 , 11, 306-18	2.5	30
43	Bioaccumulation, subcellular distribution and toxicity of sediment-associated copper in the ragworm <i>Nereis diversicolor</i> : The relative importance of aqueous copper, copper oxide nanoparticles and microparticles. <i>Environmental Pollution</i> , 2015 , 202, 50-7	9.3	27
42	The relative importance of water and diet for uptake and subcellular distribution of cadmium in the deposit-feeding polychaete, <i>Capitella</i> sp. I. <i>Marine Environmental Research</i> , 2004 , 57, 261-79	3.3	27
41	Strategies for robust and accurate experimental approaches to quantify nanomaterial bioaccumulation across a broad range of organisms. <i>Environmental Science: Nano</i> , 2019 , 6,	7.1	26
40	Biodynamics of copper oxide nanoparticles and copper ions in an oligochaete - Part I: Relative importance of water and sediment as exposure routes. <i>Aquatic Toxicology</i> , 2015 , 164, 81-91	5.1	26
39	Influence of copper oxide nanoparticle form and shape on toxicity and bioaccumulation in the deposit feeder, <i>Capitella teleta</i> . <i>Marine Environmental Research</i> , 2015 , 111, 99-106	3.3	25
38	Uptake, depuration, and toxicity of dissolved and sediment-bound fluoranthene in the polychaete, <i>Capitella</i> sp. I. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2354-63	3.8	24
37	Bioaccumulation, toxicokinetics, and effects of copper from sediment spiked with aqueous Cu, nano-CuO, or micro-CuO in the deposit-feeding snail, <i>Potamopyrgus antipodarum</i> . <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 1561-73	3.8	22
36	Individual- and population-level effects of the synthetic musk, HHCB, on the deposit-feeding polychaete, <i>Capitella</i> sp. I. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2695-705	3.8	21
35	Effects of <i>Nereis diversicolor</i> on the transformation of 1-methylpyrene and pyrene: transformation efficiency and identification of phase I and II products. <i>Environmental Science & Technology</i> , 2013 , 47, 5383-92	10.3	20
34	Does bisphenol A induce superfeminization in <i>Marisa cornuarietis</i> ? Part I: intra- and inter-laboratory variability in test endpoints. <i>Ecotoxicology and Environmental Safety</i> , 2007 , 66, 309-18	7	20
33	Biokinetics of different-shaped copper oxide nanoparticles in the freshwater gastropod, <i>Potamopyrgus antipodarum</i> . <i>Aquatic Toxicology</i> , 2015 , 163, 71-80	5.1	19
32	Interpreting toxicity data in a DEB framework: A case study for nonylphenol in the marine polychaete <i>Capitella teleta</i> . <i>Journal of Sea Research</i> , 2011 , 66, 456-462	1.9	19

31	Acute toxicity of copper oxide nanoparticles to <i>Daphnia magna</i> under different test conditions. <i>Toxicological and Environmental Chemistry</i> , 2017 , 99, 665-679	1.4	18
30	Bioaccumulation and Biotransformation of Triclosan and Galaxolide in the Freshwater Oligochaete <i>Limnodrilus hoffmeisteri</i> in a Water/Sediment Microcosm. <i>Environmental Science & Technology</i> , 2018 , 52, 8390-8398	10.3	17
29	Bioaccumulation and effects of sediment-associated gold- and graphene oxide nanoparticles on <i>Tubifex tubifex</i> . <i>Journal of Environmental Sciences</i> , 2017 , 51, 138-145	6.4	17
28	Effects of sediment organic matter quality on bioaccumulation, degradation, and distribution of pyrene in two macrofaunal species and their surrounding sediment. <i>Marine Environmental Research</i> , 2007 , 64, 313-35	3.3	17
27	Effects of food type, feeding frequency, and temperature on juvenile survival and growth of <i>Marisa cornuarietis</i> (Mollusca: Gastropoda). <i>Invertebrate Biology</i> , 2006 , 125, 106-116	1	17
26	Impact of sediment organic matter quality on the fate and effects of fluoranthene in the infaunal brittle star <i>Amphiura filiformis</i> . <i>Marine Environmental Research</i> , 2005 , 59, 19-45	3.3	16
25	Relative importance of macrofaunal burrows for the microbial mineralization of pyrene in marine sediments: impact of macrofaunal species and organic matter quality. <i>Marine Ecology - Progress Series</i> , 2005 , 288, 59-74	2.6	16
24	Assessing and managing multiple risks in a changing world-The Roskilde recommendations. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 7-16	3.8	15
23	Polycyclic Aromatic Acids Are Primary Metabolites of Alkyl-PAHs-A Case Study with <i>Nereis diversicolor</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 5713-21	10.3	15
22	Biodynamics of copper oxide nanoparticles and copper ions in an oligochaete - Part II: Subcellular distribution following sediment exposure. <i>Aquatic Toxicology</i> , 2016 , 180, 25-35	5.1	12
21	Trophic transfer of CuO NPs and dissolved Cu from sediment to worms to fish – a proof-of-concept study. <i>Environmental Science: Nano</i> , 2019 , 6, 1140-1155	7.1	12
20	Toward a conceptual approach for assessing risks from chemical mixtures and other stressors to coastal ecosystem services. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 376-386	2.5	11
19	Benthic invertebrate and microbial biodiversity in sub-tropical urban rivers: Correlations with environmental variables and emerging chemicals. <i>Science of the Total Environment</i> , 2020 , 709, 136281	10.2	9
18	Response of sediment bacterial community to triclosan in subtropical freshwater benthic microcosms. <i>Environmental Pollution</i> , 2019 , 248, 676-683	9.3	8
17	Trophic transfer of CuO NPs from sediment to worms (<i>Tubifex tubifex</i>) to fish (<i>Gasterosteus aculeatus</i>): a comparative study of dissolved Cu and NPs enriched with a stable isotope tracer (⁶⁵ Cu). <i>Environmental Science: Nano</i> , 2020 , 7, 2360-2372	7.1	7
16	Fate and effects of sediment-associated polycyclic musk HHCB in subtropical freshwater microcosms. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 902-910	7	6
15	Fate and effects of acetyl cedrene in sediments inhabited by different densities of the deposit feeder, <i>Capitella teleta</i> . <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 2639-46	3.8	6
14	Importance of characterizing nanoparticles before conducting toxicity tests. <i>Integrated Environmental Assessment and Management</i> , 2011 , 7, 502-3	2.5	5

13	Effects of sediment-associated Cu on Tubifex tubifex - Insights gained by standard ecotoxicological and novel, but simple, bioturbation endpoints. <i>Environmental Pollution</i> , 2020 , 266, 115251	9.3	5
12	Dietary uptake and effects of copper in Sticklebacks at environmentally relevant exposures utilizing stable isotope-labeled CuCl and CuO NPs. <i>Science of the Total Environment</i> , 2021 , 757, 143779	10.2	5
11	Fate and effects of sediment-associated triclosan in subtropical freshwater microcosms. <i>Aquatic Toxicology</i> , 2018 , 202, 117-125	5.1	4
10	A biodynamic understanding of dietborne and waterborne Ag uptake from Ag NPs in the sediment-dwelling oligochaete, Tubifex tubifex. <i>NanoImpact</i> , 2018 , 11, 33-41	5.6	3
9	. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 1289	3.8	3
8	Biodynamics and adverse effects of CuO nanoparticles and CuCl in the oligochaete : Cu form influence biodynamics in water, but not sediment. <i>Nanotoxicology</i> , 2021 , 15, 673-689	5.3	3
7	Ecosystem services deserve better than "dirty paper". <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 867-868	3.8	2
6	Ecotoxicological Risk of Nanomaterials 2015 , 417-440		2
5	Investigation of the fate and effects of acetyl cedrene on Capitella teleta and sediment bacterial community. <i>Ecotoxicology</i> , 2010 , 19, 1046-58	2.9	2
4	A point-of-entry bioaccumulation study of nanoscale pigment copper phthalocyanine in aquatic organisms. <i>Environmental Science: Nano</i> , 2021 , 8, 554-564	7.1	2
3	Current Risk Assessment Frameworks Misjudge Risks of Hydrophobic Chemicals. <i>Environmental Science & Technology</i> , 2018 , 52, 1690-1692	10.3	
2	Influence of Aging on Bioaccumulation and Toxicity of Copper Oxide Nanoparticles and Dissolved Copper in the Sediment-Dwelling Oligochaete : A Long-Term Study Using a Stable Copper Isotope.. <i>Frontiers in Toxicology</i> , 2021 , 3, 737158	1.6	
1	Particles as carriers of matter in the aquatic environment: Challenges and ways ahead for transdisciplinary research.. <i>Science of the Total Environment</i> , 2022 , 155831	10.2	