

Henriette Selck

List of Publications by Year in descending order

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66
papers

2,358
citations

185998

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214527

47
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all docs

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docs citations

66
times ranked

3030
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics: addressing ecological risk through lessons learned. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 945-953.	2.2	244
2	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, 1055-1067.	2.2	163
3	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.	3.9	131
4	Toxic effects and bioaccumulation of nano-, micron- and ionic-Ag in the polychaete, <i>Nereis diversicolor</i> . <i>Aquatic Toxicology</i> , 2011, 105, 403-411.	1.9	87
5	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.	2.2	85
6	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, 114-122.	1.9	75
7	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.	2.2	69
8	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.	0.9	69
9	Toxic mechanisms of copper oxide nanoparticles in epithelial kidney cells. <i>Toxicology in Vitro</i> , 2015, 29, 1053-1059.	1.1	66
10	Toxicity and bioaccumulation of sediment-associated silver nanoparticles in the estuarine polychaete, <i>Nereis (Hediste) diversicolor</i> . <i>Aquatic Toxicology</i> , 2014, 156, 106-115.	1.9	62
11	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.	3.2	61
12	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.	1.6	57
13	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.	1.6	52
14	Strategies for robust and accurate experimental approaches to quantify nanomaterial bioaccumulation across a broad range of organisms. <i>Environmental Science: Nano</i> , 2019, 6, 1619-1656.	2.2	48
15	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, 1596-1601.	1.1	46
16	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.	1.1	46
17	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.	1.1	44
18	BIOTRANSFORMATION AND GENOTOXICITY OF FLUORANTHENE IN THE DEPOSIT-FEEDING POLYCHAETE <i>CAPITELLA</i> SP. I. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2977.	2.2	41

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19	BIOTRANSFORMATION OF DISSOLVED AND SEDIMENT-BOUND FLUORANTHENE IN THE POLYCHAETE, CAPITELLA SP. I. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2364.	2.2	40
20	Comparing Sensitivity of Ecotoxicological Effect Endpoints between Laboratory and Field. <i>Ecotoxicology and Environmental Safety</i> , 2002, 52, 97-112.	2.9	39
21	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, 1190-1199.	2.9	38
22	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, 1976-1987.	2.2	37
23	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, 306-318.	1.6	37
24	Accumulation and effects of sediment-associated silver nanoparticles to sediment-dwelling invertebrates. <i>Aquatic Toxicology</i> , 2015, 166, 96-105.	1.9	33
25	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, 50-57.	3.7	33
26	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, 261-279.	1.1	32
27	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.	1.1	31
28	UPTAKE, DEPURATION, AND TOXICITY OF DISSOLVED AND SEDIMENT-BOUND FLUORANTHENE IN THE POLYCHAETE, CAPITELLA SP. I. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2354.	2.2	30
29	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, 309-318.	2.9	30
30	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.	1.9	29
31	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, 1561-1573.	2.2	28
32	EFFECTS OF CHRONIC METAL EXPOSURE AND SEDIMENT ORGANIC MATTER ON DIGESTIVE ABSORPTION EFFICIENCY OF CADMIUM BY THE DEPOSIT-FEEDING POLYCHAETE CAPITELLA SPECIES I. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1289.	2.2	28
33	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.	0.3	27
34	Polycyclic Aromatic Acids Are Primary Metabolites of Alkyl-PAHs – A Case Study with <i>Nereis diversicolor</i> . <i>Environmental Science & Technology</i> , 2015, 49, 5713-5721.	4.6	25
35	Biokinetics of different-shaped copper oxide nanoparticles in the freshwater gastropod, <i>Potamopyrgus antipodarum</i> . <i>Aquatic Toxicology</i> , 2015, 163, 71-80.	1.9	25
36	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, 5383-5392.	4.6	24

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37	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.	3.2	24
38	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.	4.6	23
39	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, 313-335.	1.1	22
40	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.	0.6	22
41	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.	0.6	22
42	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.	2.2	21
43	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.	1.1	18
44	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.	0.9	18
45	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.	1.9	17
46	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.	2.2	17
47	Assessing and managing multiple risks in a changing world – The Roskilde recommendations. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 7-16.	2.2	16
48	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.	1.6	15
49	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.	3.9	14
50	Response of sediment bacterial community to triclosan in subtropical freshwater benthic microcosms. <i>Environmental Pollution</i> , 2019, 248, 676-683.	3.7	13
51	Trophic transfer of CuO NPs from sediment to worms (<i>Tubifex tubifex</i>) to fish (<i>Gasterosteus</i>) μ g BT / Oyer (⁶⁵ Cu). <i>Environmental Science: Nano</i> , 2020, 7, 2360-2372.	2.2	11
52	Importance of characterizing nanoparticles before conducting toxicity tests. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 502-503.	1.6	9
53	Fate and effects of sediment-associated polycyclic musk HHCB in subtropical freshwater microcosms. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 902-910.	2.9	8
54	Effects of sediment-associated Cu on <i>Tubifex tubifex</i> – Insights gained by standard ecotoxicological and novel, but simple, bioturbation endpoints. <i>Environmental Pollution</i> , 2020, 266, 115251.	3.7	8

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55	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, 2639-2646.	2.2	7
56	A "point-of-entry" bioaccumulation study of nanoscale pigment copper phthalocyanine in aquatic organisms. <i>Environmental Science: Nano</i> , 2021, 8, 554-564.	2.2	7
57	Dietary uptake and effects of copper in Sticklebacks at environmentally relevant exposures utilizing stable isotope-labeled $^{65}\text{CuCl}_2$ and ^{65}CuO NPs. <i>Science of the Total Environment</i> , 2021, 757, 143779.	3.9	6
58	Ecotoxicological Risk of Nanomaterials. , 2015, , 417-440.		5
59	A biodynamic understanding of dietborne and waterborne Ag uptake from Ag NPs in the sediment-dwelling oligochaete, <i>Tubifex tubifex</i> . <i>NanoImpact</i> , 2018, 11, 33-41.	2.4	5
60	Fate and effects of sediment-associated triclosan in subtropical freshwater microcosms. <i>Aquatic Toxicology</i> , 2018, 202, 117-125.	1.9	5
61	Investigation of the fate and effects of acetyl cedrene on <i>Capitella teleta</i> and sediment bacterial community. <i>Ecotoxicology</i> , 2010, 19, 1046-1058.	1.1	4
62	Biodynamics and adverse effects of CuO nanoparticles and CuCl_2 in the oligochaete <i>T. tubifex</i> : Cu form influence biodynamics in water, but not sediment. <i>Nanotoxicology</i> , 2021, 15, 673-689.	1.6	4
63	Influence of Aging on Bioaccumulation and Toxicity of Copper Oxide Nanoparticles and Dissolved Copper in the Sediment-Dwelling Oligochaete <i>Tubifex tubifex</i> : A Long-Term Study Using a Stable Copper Isotope. <i>Frontiers in Toxicology</i> , 2021, 3, 737158.	1.6	3
64	Ecosystem services deserve better than "dirty paper". <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 867-868.	2.2	2
65	Current Risk Assessment Frameworks Misjudge Risks of Hydrophobic Chemicals. <i>Environmental Science & Technology</i> , 2018, 52, 1690-1692.	4.6	0
66	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.	3.9	0