Nanna B Hartmann

List of Publications by Citations

47 papers	5,876 citations	30 h-index	52 g-index
52 ext. papers	6,948 ext. citations	6.7 avg, IF	5.9 L-index

#	Paper	IF	Citations
47	Environmental behavior and ecotoxicity of engineered nanoparticles to algae, plants, and fungi. *Ecotoxicology*, **2008**, 17, 372-86	2.9	1234
46	Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris. *Environmental Science & Technology*, **2019**, 53, 1039-1047	10.3	638
45	Ecotoxicity of engineered nanoparticles to aquatic invertebrates: a brief review and recommendations for future toxicity testing. *Ecotoxicology*, **2008**, 17, 387-95	2.9	592
44	Toxicity and bioaccumulation of xenobiotic organic compounds in the presence of aqueous suspensions of aggregates of nano-C(60). *Aquatic Toxicology*, **2008**, 86, 379-87	5.1	316
43	Environmental benefits and risks of zero-valent iron nanoparticles (nZVI) for in situ remediation: risk mitigation or trade-off?. *Journal of Contaminant Hydrology*, **2010**, 118, 165-83	3.9	289
42	Microplastics as vectors for environmental contaminants: Exploring sorption, desorption, and transfer to biota. *Integrated Environmental Assessment and Management*, **2017**, 13, 488-493	2.5	265
41	Ingestion of micro- and nanoplastics in Daphnia magna - Quantification of body burdens and assessment of feeding rates and reproduction. *Environmental Pollution*, **2017**, 228, 398-407	9.3	247
40	Algal testing of titanium dioxide nanoparticles--testing considerations, inhibitory effects and modification of cadmium bioavailability. *Toxicology*, **2010**, 269, 190-7	4.4	247
39	A critical perspective on early communications concerning human health aspects of microplastics. *Science of the Total Environment*, **2018**, 626, 720-726	10.2	216
38	The toxicity of plastic nanoparticles to green algae as influenced by surface modification, medium hardness and cellular adsorption. *Aquatic Toxicology*, **2017**, 183, 11-20	5.1	176
37	Adapting OECD Aquatic Toxicity Tests for Use with Manufactured Nanomaterials: Key Issues and Consensus Recommendations. *Environmental Science & Technology*, **2015**, 49, 9532-47	10.3	130
36	Comprehensive In Vitro Toxicity Testing of a Panel of Representative Oxide Nanomaterials: First Steps towards an Intelligent Testing Strategy. *PLoS ONE*, **2015**, 10, e0127174	3.7	117
35	ITS-NANO--prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. *Particle and Fibre Toxicology*, **2014**, 11, 9	8.4	112
34	On the issue of transparency and reproducibility in nanomedicine. *Nature Nanotechnology*, **2019**, 14, 629-635	28.7	92
33	Techniques and Protocols for Dispersing Nanoparticle Powders in Aqueous Media-Is there a Rationale for Harmonization?. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2015**, 18, 299-326	8.6	88
32	The influence of natural organic matter and aging on suspension stability in guideline toxicity testing of silver, zinc oxide, and titanium dioxide nanoparticles with Daphnia magna. *Environmental Toxicology and Chemistry*, **2015**, 34, 497-506	3.8	87
31	Aquatic Ecotoxicity Testing of Nanoparticles-The Quest To Disclose Nanoparticle Effects. *Angewandte Chemie - International Edition*, **2016**, 55, 15224-15239	16.4	84

30	When Fluorescence Is not a Particle: The Tissue Translocation of Microplastics in Daphnia magna Seems an Artifact. *Environmental Toxicology and Chemistry*, **2019**, 38, 1495-1503	3.8	77
29	The potential of TiO2 nanoparticles as carriers for cadmium uptake in Lumbriculus variegatus and Daphnia magna. *Aquatic Toxicology*, **2012**, 118-119, 1-8	5.1	66
28	Setting the limits for engineered nanoparticles in European surface waters - are current approaches appropriate?. *Journal of Environmental Monitoring*, **2009**, 11, 1774-81		61
27	From macro- to microplastics - Analysis of EU regulation along the life cycle of plastic bags. *Environmental Pollution*, **2017**, 224, 289-299	9.3	59
26	Sorption of fluorescent polystyrene microplastic particles to edible seaweed Fucus vesiculosus. *Journal of Applied Phycology*, **2018**, 30, 2923-2927	3.2	57
25	Uptake and depuration of gold nanoparticles in Daphnia magna. *Ecotoxicology*, **2014**, 23, 1172-83	2.9	56
24	Influence of pH and media composition on suspension stability of silver, zinc oxide, and titanium dioxide nanoparticles and immobilization of Daphnia magna under guideline testing conditions. *Ecotoxicology and Environmental Safety*, **2016**, 127, 144-52	7	55
23	Environmental exposure assessment framework for nanoparticles in solid waste. *Journal of Nanoparticle Research*, **2014**, 16, 2394	2.3	55
22	The challenges of testing metal and metal oxide nanoparticles in algal bioassays: titanium dioxide and gold nanoparticles as case studies. *Nanotoxicology*, **2013**, 7, 1082-94	5.3	54
21	Ingestion and effects of micro- and nanoplastics in blue mussel (Mytilus edulis) larvae. *Marine Pollution Bulletin*, **2019**, 140, 423-430	6.7	47
20	The nano cocktail: ecotoxicological effects of engineered nanoparticles in chemical mixtures. *Integrated Environmental Assessment and Management*, **2010**, 6, 311-3	2.5	43
19	NanoCRED: A transparent framework to assess the regulatory adequacy of ecotoxicity data for nanomaterials Relevance and reliability revisited. *NanoImpact*, **2017**, 6, 81-89	5.6	35
18	EU Regulation of Nanobiocides: Challenges in Implementing the Biocidal Product Regulation (BPR). *Nanomaterials*, **2016**, 6,	5.4	30
17	A unified framework for nanosafety is needed. *Nano Today*, **2014**, 9, 546-549	17.9	29
16	Aquatic Ecotoxicity of Microplastics and Nanoplastics: Lessons Learned from Engineered Nanomaterials. *Handbook of Environmental Chemistry*, **2018**, 25-49	0.8	29
15	The fate of microplastics during uptake and depuration phases in a blue mussel exposure system. *Environmental Toxicology and Chemistry*, **2019**, 38, 99-105	3.8	28
14	Comparison of the effects of different protocols on the particle size distribution of TiO2 dispersions. *Particuology*, **2015**, 19, 35-44	2.8	20
13	Revising REACH guidance on information requirements and chemical safety assessment for engineered nanomaterials for aquatic ecotoxicity endpoints: recommendations from the EnvNano project. *Environmental Sciences Europe*, **2017**, 29, 14	5	19

12	A nationwide assessment of plastic pollution in the Danish realm using citizen science. *Scientific Reports*, **2020**, 10, 17773	4.9	17
11	Degradability of aged aquatic suspensions of C60 nanoparticles. *Environmental Pollution*, **2011**, 159, 3134-7	5.5	16
10	Nanoparticle ecotoxicity□physical and/or chemical effects?. *Integrated Environmental Assessment and Management*, **2015**, 11, 722-724	2.5	15
9	Quality of nanoplastics and microplastics ecotoxicity studies: Refining quality criteria for nanomaterial studies. *Journal of Hazardous Materials*, **2021**, 415, 125751	12.8	15
8	A call for action: Improve reporting of research studies to increase the scientific basis for regulatory decision-making. *Journal of Applied Toxicology*, **2018**, 38, 783-785	4.1	13
7	Response to the Letter to the Editor Regarding Our Feature "Are We Speaking the Same Language? Recommendations for a Definition and Categorization Framework for Plastic Debris". *Environmental Science & Technology*, **2019**, 53, 4678-4679	10.3	12
6	A certain shade of green: Can algal pigments reveal shading effects of nanoparticles?. *Integrated Environmental Assessment and Management*, **2016**, 12, 200-2	2.5	12
5	Balancing scientific tensions. *Nature Nanotechnology*, **2014**, 9, 870	28.7	9
4	Accelerated Weathering Increases the Release of Toxic Leachates from Microplastic Particles as Demonstrated through Altered Toxicity to the Green Algae. *Toxics*, **2021**, 9,	4.7	6
3	Reuse of Water in Laundry Applications with Micro- and Ultrafiltration Ceramic Membrane.. *Membranes*, **2022**, 12,	3.8	4
2	A Study of Microplastic Particles in Danish Tap Water. *Water (Switzerland)*, **2021**, 13, 2097	3	2
1	How fast, how far: Diversification and adoption of novel methods in aquatic microplastic monitoring. *Environmental Pollution*, **2021**, 291, 118174	9.3	0