# Dana KÃ¼hnel

List of Publications by Year
in descending order



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|---|---|---|---|
| 40 papers | 2,904 citations | 257101 24 h-index | 276539 41 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 4379 citing authors |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 1 | Quality of nanoplastics and microplastics ecotoxicity studies: Refining quality criteria for nanomaterial studies. Journal of Hazardous Materials, 2021, 415, 125751. | 6.5 | 44 |
| 2 | Attachment Efficiency of Nanomaterials to Algae as an Important Criterion for Ecotoxicity and Grouping. Nanomaterials, 2020, 10, 1021. | 1.9 | 14 |
| 3 | From the air to the water phase: implication for toxicity testing of combustion-derived particles. Biomass Conversion and Biorefinery, 2019, 9, 213-225. | 2.9 | 3 |
| 4 | An exploratory ecotoxicity study of primary microplastics versus aged in natural waters and wastewaters. Environmental Pollution, 2019, 254, 112980. | 3.7 | 56 |
| 5 | Closing gaps for environmental risk screening of engineered nanomaterials. NanoImpact, 2019, 15, 100173. | 2.4 | 22 |
| 6 | Environmental risk or benefit? Comprehensive risk assessment of groundwater treated with nano Fe0-based Carbo-IronÂ®. Science of the Total Environment, 2019, 677, 156-166. | 3.9 | 14 |
| 7 | The nanoGRAVUR framework to group (nano)materials for their occupational, consumer, environmental risks based on a harmonized set of material properties, applied to 34 case studies. Nanoscale, 2019, 11, 17637-17654. | 2.8 | 38 |
| 8 | Environmental mixtures of nanomaterials and chemicals: The Trojan-horse phenomenon and its relevance for ecotoxicity. Science of the Total Environment, 2018, 635, 1170-1181. | 3.9 | 134 |
| 9 | Grouping concept for metal and metal oxide nanomaterials with regard to their ecotoxicological effects on algae, daphnids and fish embryos. NanoImpact, 2018, 9, 52-60. | 2.4 | 36 |
| 10 | Environmental Impacts of Engineered Nanomaterialsâ€"Imbalances in the Safety Assessment of Selected Nanomaterials. Materials, 2018, 11, 1444. | 1.3 | 8 |
| 11 | The DaNa2.0 Knowledge Base Nanomaterialsâ€"An Important Measure Accompanying Nanomaterials Development. Nanomaterials, 2018, 8, 204. | 1.9 | 16 |
| 12 | Environmental benefits and concerns on safety: communicating latest results on nanotechnology safety researchâ€"the project DaNa2.0. Environmental Science and Pollution Research, 2017, 24, 11120-11125. | 2.7 | 11 |
| 13 | Reducing Uncertainty and Confronting Ignorance about the Possible Impacts of Weathering Plastic in the Marine Environment. Environmental Science and Technology Letters, 2017, 4, 85-90. | 3.9 | 372 |
| 14 | Metal uptake and distribution in the zebrafish (Danio rerio) embryo: differences between nanoparticles and metal ions. Environmental Science: Nano, 2017, 4, 1005-1015. | 2.2 | 49 |
| 15 | From the sea to the laboratory: Characterization of microplastic as prerequisite for the assessment of ecotoxicological impact. Integrated Environmental Assessment and Management, 2017, 13, 500-504. | 1.6 | 50 |
| 16 | Impacts of Biofilm Formation on the Fate and Potential Effects of Microplastic in the Aquatic Environment. Environmental Science and Technology Letters, 2017, 4, 258-267. | 3.9 | 881 |
| 17 | DaNa 2.0 â€" verlÃssliche Informationen zur Sicherheit von marktÃ1⁄4blichen Nanomaterialien. Chemie-Ingenieur-Technik, 2017, 89, 232-238. | 0.4 | 2 |
| 18 | Natural water as the test medium for Ag and CuO nanoparticle hazard evaluation: An interlaboratory case study. Environmental Pollution, 2016, 216, 689-699. | 3.7 | 27 |

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|---|---|---|---|
| 19 | A case study to optimise and validate the brine shrimp Artemia franciscana immobilisation assay with silver nanoparticles: The role of harmonisation. Environmental Pollution, 2016, 213, 173-183. | 3.7 | 35 |
| 20 | An interlaboratory comparison of nanosilver characterisation and hazard identification: Harmonising techniques for high quality data. Environment International, 2016, 87, 20-32. | 4.8 | 45 |
| 21 | Exploring LA-ICP-MS as a quantitative imaging technique to study nanoparticle uptake in Daphnia magna and zebrafish (Danio rerio) embryos. Analytical and Bioanalytical Chemistry, 2015, 407, 5477-5485. | 1.9 | 65 |
| 22 | The oxidized state of the nanocomposite Carbo-IronÂ® causes no adverse effects on growth, survival and differential gene expression in zebrafish. Science of the Total Environment, 2015, 530-531, 198-208. | 3.9 | 16 |
| 23 | Towards sensible toxicity testing for nanomaterials: proposal for the specification of test design. Science and Technology of Advanced Materials, 2015, 16, 065006. | 2.8 | 15 |
| 24 | Effect propagation after silver nanoparticle exposure in zebrafish (Danio rerio) embryos: a correlation to internal concentration and distribution patterns. Environmental Science: Nano, 2015, 2, 603-614. | 2.2 | 27 |
| 25 | Environmental impacts of nanomaterials: providing comprehensive information on exposure, transport and ecotoxicity - the project DaNa2.0. Environmental Sciences Europe, 2014, 26, . | 2.6 | 15 |
| 26 | The OECD expert meeting on ecotoxicology and environmental fate â€" Towards the development of improved OECD guidelines for the testing of nanomaterials. Science of the Total Environment, 2014, 472, 347-353. | 3.9 | 108 |
| 27 | Quantification of Al2O3 nanoparticles in human cell lines applying inductively coupled plasma mass spectrometry (neb-ICP-MS, LA-ICP-MS) and flow cytometry-based methods. Journal of Nanoparticle Research, 2014, 16, 2592. | 0.8 | 40 |
| 28 | Concern-driven integrated approaches to nanomaterial testing and assessment â€" report of the NanoSafety Cluster Working Group 10. Nanotoxicology, 2014, 8, 334-348. | 1.6 | 118 |
| 29 | Bioaccumulation and ecotoxicity of carbon nanotubes. Chemistry Central Journal, 2013, 7, 154. | 2.6 | 229 |
| 30 | Testing Nanomaterial Toxicity in Unicellular Eukaryotic Algae and Fish Cell Lines. Methods in Molecular Biology, 2013, 1028, 165-195. | 0.4 | 3 |
| 31 | Comparative evaluation of particle properties, formation of reactive oxygen species and genotoxic potential of tungsten carbide based nanoparticles in vitro. Journal of Hazardous Materials, 2012, 227-228, 418-426. | 6.5 | 25 |
| 32 | Internalisation of engineered nanoparticles into mammalian cells in vitro: influence of cell type and particle properties. Journal of Nanoparticle Research, 2011, 13, 293-310. | 0.8 | 55 |
| 33 | Tungsten carbide cobalt nanoparticles exert hypoxia-like effects on the gene expression level in human keratinocytes. BMC Genomics, 2010, 11, 65. | 1.2 | 42 |
| 34 | Evaluating the cytotoxicity of palladium/magnetite nano-catalysts intended for wastewater treatment. Environmental Pollution, 2010, 158, 65-73. | 3.7 | 45 |
| 35 | Physical-chemical characterization of tungsten carbide nanoparticles as a basis for toxicological investigations. Nanotoxicology, 2010, 4, 196-206. | 1.6 | 24 |
| 36 | Evaluation of Health Risks of Nanoparticles â€" A Contribution to a Sustainable Development of Nanotechnology. Solid State Phenomena, 2009, 151, 183-189. | 0.3 | 4 |

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| 37 | Inflammation does not precede or accompany the induction of preneoplastic lesions in the colon of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine-fed rats. Archives of Toxicology, 2009, 83, 763-768. | 1.9 | 10 |
| 38 | Agglomeration of tungsten carbide nanoparticles in exposure medium does not prevent uptake and toxicity toward a rainbow trout gill cell line. Aquatic Toxicology, 2009, 93, 91-99. | 1.9 | 82 |
| 39 | Tungsten carbide and tungsten carbide cobalt nanoparticle toxicity: The role of cellular particle uptake, leached ions and cobalt bioavailability. Toxicology Letters, 2009, 189, S185. | 0.4 | 2 |
| 40 | Toxicity of Tungsten Carbide and Cobalt-Doped Tungsten Carbide Nanoparticles in Mammalian Cells <i>in Vitro</i>. Environmental Health Perspectives, 2009, 117, 530-536. | 2.8 | 121 |