# Kerstin Hund-Rinke

List of Publications by Year
in descending order



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|---|---|---|---|
| 47 papers | 3,095 citations | 186265 28 h-index | 223800 46 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 4009 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ecotoxic Effect of Photocatalytic Active Nanoparticles (TiO2) on Algae and Daphnids (8 pp). Environmental Science and Pollution Research, 2006, 13, 225-232. | 5.3 | 522 |
| 2 | Fate and Bioavailability of Engineered Nanoparticles in Soils: A Review. Critical Reviews in Environmental Science and Technology, 2014, 44, 2720-2764. | 12.8 | 354 |
| 3 | Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. Environmental Science & Technology, 2016, 50, 6124-6145. | 10.0 | 191 |
| 4 | Adapting OECD Aquatic Toxicity Tests for Use with Manufactured Nanomaterials: Key Issues and Consensus Recommendations. Environmental Science & Technology, 2015, 49, 9532-9547. | 10.0 | 153 |
| 5 | Influence of soil properties on the effect of silver nanomaterials on microbial activity in five soils. Environmental Pollution, 2015, 196, 321-330. | 7.5 | 129 |
| 6 | ITS-NANO - Prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. Particle and Fibre Toxicology, 2014, 11, 9. | 6.2 | 124 |
| 7 | Grouping and Read-Across Approaches for Risk Assessment of Nanomaterials. International Journal of Environmental Research and Public Health, 2015, 12, 13415-13434. | 2.6 | 122 |
| 8 | Concern-driven integrated approaches to nanomaterial testing and assessment â€“ report of the NanoSafety Cluster Working Group 10. Nanotoxicology, 2014, 8, 334-348. | 3.0 | 118 |
| 9 | Nanomaterials: certain aspects of application, risk assessment and risk communication. Archives of Toxicology, 2018, 92, 121-141. | 4.2 | 109 |
| 10 | Effects of silver nanoparticles and silver nitrate in the earthworm reproduction test. Environmental Toxicology and Chemistry, 2013, 32, 181-188. | 4.3 | 105 |
| 11 | Regulatory ecotoxicity testing of nanomaterials â€“ proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. Nanotoxicology, 2016, 10, 1442-1447. | 3.0 | 103 |
| 12 | Hazard assessment of a silver nanoparticle in soil applied via sewage sludge. Environmental Sciences Europe, 2013, 25, . | 5.5 | 98 |
| 13 | Avoidance test withEisenia fetida as indicator for the habitat function of soils: Results of a laboratory comparison test. Journal of Soils and Sediments, 2003, 3, 7-12. | 3.0 | 80 |
| 14 | Effects of tetracycline on the soil microflora: function, diversity, resistance. Journal of Soils and Sediments, 2004, 4, 11-16. | 3.0 | 65 |
| 15 | Approach on environmental risk assessment of nanosilver released from textiles. Environmental Research, 2015, 140, 661-672. | 7.5 | 65 |
| 16 | Longâ€term effects of sulfidized silver nanoparticles in sewage sludge on soil microflora. Environmental Toxicology and Chemistry, 2017, 36, 3305-3313. | 4.3 | 65 |
| 17 | Silver nanoparticles in sewage treatment plant effluents: chronic effects and accumulation of silver in the freshwater amphipod Hyalella azteca. Environmental Sciences Europe, 2018, 30, 7. | 5.5 | 55 |
| 18 | Long-term effects of three different silver sulfide nanomaterials, silver nitrate and bulk silver sulfide on soil microorganisms and plants. Environmental Pollution, 2018, 242, 1850-1859. | 7.5 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The MARINA Risk Assessment Strategy: A Flexible Strategy for Efficient Information Collection and Risk Assessment of Nanomaterials. International Journal of Environmental Research and Public Health, 2015, 12, 15007-15021. | 2.6 | 46 |
| 20 | The toxicity of silver nanoparticles to zebrafish embryos increases through sewage treatment processes. Ecotoxicology, 2013, 22, 1264-1277. | 2.4 | 41 |
| 21 | 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. | 5.6 | 38 |
| 22 | Dynamic light-scattering measurement comparability of nanomaterial suspensions. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 37 |
| 23 | Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. Environmental Science & Technology, 2018, 52, 1514-1524. | 10.0 | 36 |
| 24 | 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. | 4.5 | 36 |
| 25 | Single versus repeated applications of CuO and Ag nanomaterials and their effect on soil microflora. Environmental Pollution, 2016, 215, 322-330. | 7.5 | 34 |
| 26 | Environmental Risk Assessment Strategy for Nanomaterials. International Journal of Environmental Research and Public Health, 2017, 14, 1251. | 2.6 | 33 |
| 27 | Terrestrial Ecotoxicity of Eight Chemicals in a Systematic Approach (7 pp). Journal of Soils and Sediments, 2005, 5, 59-65. | 3.0 | 30 |
| 28 | Bioassays for the ecotoxicological and genotoxicological assessment of contaminated soils (Results) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 3.0 | 28 |
| 29 | Influence of application techniques on the ecotoxicological effects of nanomaterials in soil. Environmental Sciences Europe, 2012, 24, . | 5.5 | 25 |
| 30 | Ecotoxicity and fate of a silver nanomaterial in an outdoor lysimeter study. Ecotoxicology, 2017, 26, 738-751. | 2.4 | 24 |
| 31 | Bioassays for the ecotoxicological and genotoxicological assessment of contaminated soils (results) Tj ETQq1 1 0.784314 rgBT /Overl | 3.0 | 23 |
| 32 | Effect of TiO2 nanoparticles in the earthworm reproduction test. Environmental Sciences Europe, 2012, 24, . | 11.0 | 23 |
| 33 | Closing gaps for environmental risk screening of engineered nanomaterials. NanoImpact, 2019, 15, 100173. | 4.5 | 22 |
| 34 | Proposal of a testing strategy and assessment criteria for the ecotoxicological assessment of soil or soil materials. Journal of Soils and Sediments, 2004, 4, 123-128. | 3.0 | 20 |
| 35 | Bioavailability assessment of contaminants in soils via respiration and nitrification tests. Environmental Pollution, 2008, 153, 468-475. | 7.5 | 16 |
| 36 | Attachment Efficiency of Nanomaterials to Algae as an Important Criterion for Ecotoxicity and Grouping. Nanomaterials, 2020, 10, 1021. | 4.1 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The potential benefits and limitations of different test procedures to determine the effects of Ag nanomaterials and AgNO3 on microbial nitrogen transformation in soil. Environmental Sciences Europe, 2014, 26, . | 5.5 | 11 |
| 38 | Long-term outdoor lysimeter study with cerium dioxide nanomaterial. NanoImpact, 2019, 14, 100170. | 4.5 | 9 |
| 39 | Assessment of Ecotoxicity of Contaminated Soil Using Bioassays. , 2005, , 321-360. | | 9 |
| 40 | Nanopharmaceuticals (Au-NPs) after use: Experiences with a complex higher tier test design simulating environmental fate and effect. Ecotoxicology and Environmental Safety, 2021, 227, 112949. | 6.0 | 9 |
| 41 | Evaluation of microbial shifts caused by a silver nanomaterial: comparison of four test systems. Environmental Sciences Europe, 2019, 31, . | 5.5 | 8 |
| 42 | Validation of Microplate Bioassays for the Assessment of Contaminated and Remediated Sites. Journal of Soils and Sediments, 2003, 3, 273-283. | 3.0 | 7 |
| 43 | Testing particles using the algal growth inhibition test (OECDÂ201): the suitability of in vivo chlorophyll fluorescence measurements. Environmental Sciences Europe, 2022, 34, . | 5.5 | 5 |
| 44 | Microbial Population Dynamics in Model Sewage Treatment Plants and the Fate and Effect of Gold Nanoparticles. Toxics, 2021, 9, 54. | 3.7 | 3 |
| 45 | Development of an Alternative Test System for Chronic Testing of Lotic Macroinvertebrate Species: A Case Study with the Insecticide Imidacloprid. Environmental Toxicology and Chemistry, 2021, 40, 2229-2239. | 4.3 | 1 |
| 46 | Leaching of Titanium Dioxide Nanomaterials from Agricultural Soil Amended with Sewage Sludge Incineration Ash: Comparison of a Pilot Scale Simulation with Standard Laboratory Column Elution Experiments. Materials, 2022, 15, 1853. | 2.9 | 1 |
| 47 | Ecotoxicity and fate of silver nanomaterial in an outdoor lysimeter study after twofold application by sewage sludge. Ecotoxicology, 2022, 31, 524-535. | 2.4 | 1 |