Kerstin Hund-Rinke

List of Publications by Year
in descending order

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	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
2	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
3	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
4	Microbial Population Dynamics in Model Sewage Treatment Plants and the Fate and Effect of Gold Nanoparticles. Toxics, 2021, 9, 54.	3.7	3
5	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
6	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
7	Attachment Efficiency of Nanomaterials to Algae as an Important Criterion for Ecotoxicity and Grouping. Nanomaterials, 2020, 10, 1021.	4.1	14
8	Evaluation of microbial shifts caused by a silver nanomaterial: comparison of four test systems. Environmental Sciences Europe, 2019, 31, .	5.5	8
9	Long-term outdoor lysimeter study with cerium dioxide nanomaterial. NanoImpact, 2019, 14, 100170.	4.5	9
10	Closing gaps for environmental risk screening of engineered nanomaterials. NanoImpact, 2019, 15, 100173.	4.5	22
11	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
12	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
13	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
14	Nanomaterials: certain aspects of application, risk assessment and risk communication. Archives of Toxicology, 2018, 92, 121-141.	4.2	109
15	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
16	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
17	Longâ€term effects of sulfidized silver nanoparticles in sewage sludge on soil microflora. Environmental Toxicology and Chemistry, 2017, 36, 3305-3313.	4.3	65
18	Ecotoxicity and fate of a silver nanomaterial in an outdoor lysimeter study. Ecotoxicology, 2017, 26, 738-751.	2.4	24

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19	Environmental Risk Assessment Strategy for Nanomaterials. International Journal of Environmental Research and Public Health, 2017, 14, 1251.	2.6	33
20	Single versus repeated applications of CuO and Ag nanomaterials and their effect on soil microflora. Environmental Pollution, 2016, 215, 322-330.	7.5	34
21	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
22	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
23	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
24	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
25	Approach on environmental risk assessment of nanosilver released from textiles. Environmental Research, 2015, 140, 661-672.	7.5	65
26	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
27	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
28	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
29	Dynamic light-scattering measurement comparability of nanomaterial suspensions. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	37
30	ITS-NANO - Prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. Particle and Fibre Toxicology, 2014, 11, 9.	6.2	124
31	Fate and Bioavailability of Engineered Nanoparticles in Soils: A Review. Critical Reviews in Environmental Science and Technology, 2014, 44, 2720-2764.	12.8	354
32	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
33	The toxicity of silver nanoparticles to zebrafish embryos increases through sewage treatment processes. Ecotoxicology, 2013, 22, 1264-1277.	2.4	41
34	Hazard assessment of a silver nanoparticle in soil applied via sewage sludge. Environmental Sciences Europe, 2013, 25, .	5.5	98
35	Effects of silver nanoparticles and silver nitrate in the earthworm reproduction test. Environmental Toxicology and Chemistry, 2013, 32, 181-188.	4.3	105
36	Influence of application techniques on the ecotoxicological effects of nanomaterials in soil. Environmental Sciences Europe, 2012, 24, .	5.5	25

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37	Effect of TiO2 nanoparticles in the earthworm reproduction test. Environmental Sciences Europe, 2012, 24, .	11.0	23
38	Bioavailability assessment of contaminants in soils via respiration and nitrification tests. Environmental Pollution, 2008, 153, 468-475.	7.5	16
39	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
40	Terrestrial Ecotoxicity of Eight Chemicals in a Systematic Approach (7 pp). Journal of Soils and Sediments, 2005, 5, 59-65.	3.0	30
41	Assessment of Ecotoxicity of Contaminated Soil Using Bioassays. , 2005, , 321-360.		9
42	Effects of tetracycline on the soil microflora: function, diversity, resistance. Journal of Soils and Sediments, 2004, 4, 11-16.	3.0	65
43	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
44	Validation of Microplate Bioassays for the Assessment of Contaminated and Remediated Sites. Journal of Soils and Sediments, 2003, 3, 273-283.	3.0	7
45	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
46	Bioassays for the ecotoxicological and genotoxicological assessment of contaminated soils (Results) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.0	28
47	Bioassays for the ecotoxicological and genotoxicological assessment of contaminated soils (results) Tj ETQq1 1 0.784314 rgBT /Overl	3.0	23