

# CITATION REPORT

List of articles citing

**Hazard assessment of a silver nanoparticle in soil applied via sewage sludge**

**DOI: 10.1186/2190-4715-25-17**

**Environmental Sciences Europe, 2013, 25, .**

**Source:** <https://exaly.com/paper-pdf/55171507/citation-report.pdf>

**Version:** 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
91	The potential benefits and limitations of different test procedures to determine the effects of Ag nanomaterials and AgNO <sub>3</sub> on microbial nitrogen transformation in soil. <i>Environmental Sciences Europe</i> , <b>2014</b> , 26,	5	11
90	Effects of silver nanoparticle on soil-nitrification processes. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2014</b> , 66, 504-13	3.2	41
89	Review: Issues of Silver Nanoparticles in Engineered Environmental Treatment Systems. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	41
88	Surface Structure of Silver Nanoparticles as a Model for Understanding the Oxidative Dissolution of Silver Ions. <i>Langmuir</i> , <b>2015</b> , 31, 13361-72	4	56
87	Speciation and lability of Ag-, AgCl-, and Ag <sub>2</sub> S-nanoparticles in soil determined by X-ray absorption spectroscopy and diffusive gradients in thin films. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 897-905	10.3	88
86	Effects of sublethal doses of silver nanoparticles on <i>Bacillus subtilis</i> planktonic and sessile cells. <i>Journal of Applied Microbiology</i> , <b>2015</b> , 118, 1103-15	4.7	37
85	Fate descriptors for engineered nanoparticles: the good, the bad, and the ugly. <i>Environmental Science: Nano</i> , <b>2015</b> , 2, 19-26	7.1	49
84	Approach on environmental risk assessment of nanosilver released from textiles. <i>Environmental Research</i> , <b>2015</b> , 140, 661-72	7.9	54
83	Asymmetric flow field-flow fractionation of manufactured silver nanoparticles spiked into soil solution. <i>Journal of Chromatography A</i> , <b>2015</b> , 1392, 100-9	4.5	26
82	Nano silver and nano zinc-oxide in surface waters - exposure estimation for Europe at high spatial and temporal resolution. <i>Environmental Pollution</i> , <b>2015</b> , 196, 341-9	9.3	121
81	Influence of soil properties on the effect of silver nanomaterials on microbial activity in five soils. <i>Environmental Pollution</i> , <b>2015</b> , 196, 321-30	9.3	100
80	Impact of sulfidation on the bioavailability and toxicity of silver nanoparticles to <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , <b>2015</b> , 196, 239-46	9.3	106
79	Silver Nanoparticles, Ions, and Shape Governing Soil Microbial Functional Diversity: Nano Shapes Micro. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1123	5.7	43
78	Silver Nanoparticle in Agroecosystem: Applicability on Plant and Risk-Benefit Assessment. <b>2016</b> , 293-305		1
77	Effects of silver nanoparticles of different sizes on cytotoxicity and oxygen metabolism disorders in both reproductive and respiratory system cells. <i>Archives of Environmental Protection</i> , <b>2016</b> , 42, 32-47		22
76	Regulatory ecotoxicity testing of nanomaterials - proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1442-1447	5.3	80
75	Effect of silver nanoparticles on the standard soil arthropod () and the eukaryote model organism. <i>Environmental Sciences Europe</i> , <b>2016</b> , 28, 27	5	11

74	Effects of Ag nanomaterials (NM300K) and Ag salt (AgNO <sub>3</sub> ) can be discriminated in a full life cycle long term test with <i>Enchytraeus crypticus</i> . <i>Journal of Hazardous Materials</i> , <b>2016</b> , 318, 608-614	12.8	48
73	The influence of salinity on the fate and behavior of silver standardized nanomaterial and toxicity effects in the estuarine bivalve <i>Scrobicularia plana</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2550-2561	3.8	24
72	Fate of Ag-NPs in Sewage Sludge after Application on Agricultural Soils. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1759-68	10.3	130
71	Different responses of soil microbial metabolic activity to silver and iron oxide nanoparticles. <i>Chemosphere</i> , <b>2016</b> , 147, 195-202	8.4	91
70	Assessment of silver nanoparticles contamination on faba bean-Rhizobium leguminosarum bv. viciae-Glomus aggregatum symbiosis: Implications for induction of autophagy process in root nodule. <i>Agriculture, Ecosystems and Environment</i> , <b>2016</b> , 218, 163-177	5.7	62
69	Nanopharmaceuticals: Tiny challenges for the environmental risk assessment of pharmaceuticals. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 780-7	3.8	27
68	Nanoparticles within WWTP sludges have minimal impact on leachate quality and soil microbial community structure and function. <i>Environmental Pollution</i> , <b>2016</b> , 211, 399-405	9.3	51
67	Long-term use of biosolids as organic fertilizers in agricultural soils: potentially toxic elements occurrence and mobility. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4454-64	5.1	33
66	Nematode-based biomarkers as critical risk indicators on assessing the impact of silver nanoparticles on soil ecosystems. <i>Ecological Indicators</i> , <b>2017</b> , 75, 340-351	5.8	15
65	Extracting Metallic Nanoparticles from Soils for Quantitative Analysis: Method Development Using Engineered Silver Nanoparticles and SP-ICP-MS. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2505-2513	7.8	56
64	Time, pH, and size dependency of silver nanoparticle dissolution: the road to equilibrium. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1314-1327	7.1	72
63	Ion exchange technique (IET) to characterise Ag <sup>+</sup> exposure in soil extracts contaminated with engineered silver nanoparticles. <i>Environmental Chemistry</i> , <b>2017</b> , 14, 123	3.2	14
62	Transport of silver nanoparticles by runoff and erosion - A flume experiment. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 1418-1426	10.2	8
61	The presence of contaminations in sewage sludge - The current situation. <i>Journal of Environmental Management</i> , <b>2017</b> , 203, 1126-1136	7.9	184
60	Silver nanoparticles in soil: Aqueous extraction combined with single-particle ICP-MS for detection and characterization. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2017</b> , 7, 24-33	3.3	25
59	Natural marine bacteria as model organisms for the hazard-assessment of consumer products containing silver nanoparticles. <i>Marine Environmental Research</i> , <b>2017</b> , 130, 293-302	3.3	16
58	Long-term effects of sulfidized silver nanoparticles in sewage sludge on soil microflora. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 3305-3313	3.8	47
57	Impacts of silver nanoparticles on the nutrient removal and functional bacterial community in vertical subsurface flow constructed wetlands. <i>Bioresource Technology</i> , <b>2017</b> , 243, 1216-1226	11	36

56	Ecotoxicity and fate of a silver nanomaterial in an outdoor lysimeter study. <i>Ecotoxicology</i> , <b>2017</b> , 26, 738-751	21
55	Proactive Approach for Safe Use of Antimicrobial Coatings in Healthcare Settings: Opinion of the COST Action Network AMiCI. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6 42
54	Collembola Reproduction Decreases with Aging of Silver Nanoparticles in a Sewage Sludge-Treated Soil. <i>Frontiers in Environmental Science</i> , <b>2017</b> , 5,	4.8 15
53	Silver nanoparticles in sewage treatment plant effluents: chronic effects and accumulation of silver in the freshwater amphipod. <i>Environmental Sciences Europe</i> , <b>2018</b> , 30, 7	5 42
52	Multigenerational exposure of <i>Folsomia candida</i> to silver: Effect of different contamination scenarios (continuous versus pulsed and recovery). <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 326-333	10.2 7
51	Long-term effects of environmentally relevant concentrations of silver nanoparticles on microbial biomass, enzyme activity, and functional genes involved in the nitrogen cycle of loamy soil. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 69, 12-22	6.4 50
50	Extractability and crop transfer of potentially toxic elements from mediterranean agricultural soils following long-term sewage sludge applications as a fertilizer replacement to barley and maize crops. <i>Waste Management</i> , <b>2018</b> , 75, 312-318	8.6 30
49	Silver nanoparticles in sewage sludge: Bioavailability of sulfidized silver to the terrestrial isopod <i>Porcellio scaber</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 1606-1613	3.8 42
48	Characteristics and Applications of Silver Nanoparticles. <b>2018</b> , 227-273	7
47	Behavior of silver nanoparticles in wastewater: systematic investigation on the combined effects of surfactants and electrolytes in model systems. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 2146-2159	4.2 6
46	Tracking the Transport of Silver Nanoparticles in Soil: a Saturated Column Experiment. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 334	2.6 17
45	Aging reduces the toxicity of pristine but not sulphidised silver nanoparticles to soil bacteria. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 2618-2630	7.1 20
44	Exposure of a Soil Collembolan to Ag Nanoparticles and AgNO Disturbs Its Associated Microbiota and Lowers the Incidence of Antibiotic Resistance Genes in the Gut. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 12748-12756	10.3 50
43	Long-term effects of environmentally relevant concentrations of silver nanoparticles on major soil bacterial phyla of a loamy soil. <i>Environmental Sciences Europe</i> , <b>2018</b> , 30, 31	5 20
42	Silver Toxicity Thresholds for Multiple Soil Microbial Biomarkers. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8745-8755	10.3 10
41	Metabolite changes behind faster growth and less reproduction of <i>Daphnia similis</i> exposed to low-dose silver nanoparticles. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 266-273	7 29
40	Ecotoxicology of silver nanoparticles and their derivatives introduced in soil with or without sewage sludge: A review of effects on microorganisms, plants and animals. <i>Environmental Pollution</i> , <b>2019</b> , 253, 578-598	9.3 58
39	A new enzymatic method assessing the impact of wastewater treatment plant effluents on the assimilative capacity of small rivers. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2019</b> , 54, 1116-1125	2.3

38	The depuration fate of the mixtures of CdS/ZnS quantum dots (QDs) with different surface coatings on mangrove and wheat root epidermis: results from a novel method. <i>Environmental Sciences Europe</i> , <b>2019</b> , 31,	5	3
37	Evaluation of microbial shifts caused by a silver nanomaterial: comparison of four test systems. <i>Environmental Sciences Europe</i> , <b>2019</b> , 31,	5	4
36	Impact of silver nanoparticles (AgNP) on soil microbial community depending on functionalization, concentration, exposure time, and soil texture. <i>Environmental Sciences Europe</i> , <b>2019</b> , 31,	5	29
35	Does nano silver promote the selection of antibiotic resistance genes in soil and plant?. <i>Environment International</i> , <b>2019</b> , 128, 399-406	12.9	32
34	Effect of silver nanoparticle contaminated biosolids on the soil microbial community. <i>NanoImpact</i> , <b>2019</b> , 14, 100157	5.6	10
33	Impact of silver nanoparticles on wastewater treatment in the SBR. <i>E3S Web of Conferences</i> , <b>2019</b> , 86, 00027	0.5	1
32	Spontaneous mutation in the AgrRS two-component regulatory system of <i>Cupriavidus metallidurans</i> results in enhanced silver resistance. <i>Metallomics</i> , <b>2019</b> , 11, 1912-1924	4.5	10
31	Responses of flocculated activated sludge to bimetallic Ag-Fe nanoparticles toxicity: Performance, activity enzymatic, and bacterial community shift. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 366, 114-123	12.8	25
30	Wastewater Treatment Processing of Silver Nanoparticles Strongly Influences Their Effects on Soil Microbial Diversity. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 13538-13547	10.3	7
29	Unravelling the uptake pathway and accumulation of silver from manufactured silver nanoparticles in the freshwater amphipod <i>Hyalella azteca</i> using correlative microscopy. <i>NanoImpact</i> , <b>2020</b> , 19, 100239	5.6	9
28	Application of sewage sludge containing environmentally-relevant silver sulfide nanoparticles increases emissions of nitrous oxide in saline soils. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114807	9.3	8
27	A study on influence of superparamagnetic iron oxide nanoparticles (SPIONs) on green gram ( <i>Vigna radiata</i> L.) and earthworm ( <i>Eudrilus eugeniae</i> L.). <i>Materials Research Express</i> , <b>2020</b> , 7, 055002	1.7	9
26	Effects of nanosilver on hematologic, histologic and molecular parameters of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquatic Toxicology</i> , <b>2020</b> , 225, 105549	5.1	4
25	The effects of silver nanoparticles on the microbial nitrogen cycle: a review of the known risks. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 31061-31073	5.1	14
24	Surface coating and particle size are main factors explaining the transcriptome-wide responses of the earthworm <i>Lumbricus rubellus</i> to silver nanoparticles. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 1179-1193	7.1	5
23	Engineered nanomaterials in the environment: Are they safe?. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2021</b> , 51, 1443-1478	11.1	31
22	Threats of Nano-material Contamination in Agroecosystem: What We Know and What We Need to Know. <i>Sustainable Agriculture Reviews</i> , <b>2021</b> , 311-339	1.3	1
21	Embryotoxicity of silver nanomaterials (Ag NM300k) in the soil invertebrate <i>Enchytraeus crypticus</i> - Functional assay detects Ca channels shutdown.. <i>NanoImpact</i> , <b>2021</b> , 21, 100300	5.6	1

20	Microbial Population Dynamics in Model Sewage Treatment Plants and the Fate and Effect of Gold Nanoparticles. <i>Toxics</i> , <b>2021</b> , 9,	4.7	3
19	Silver Nanoparticles in Soil: Input, Transformation, and Toxicity. <i>Eurasian Soil Science</i> , <b>2021</b> , 54, 352-365	1.5	1
18	Speciation, controlling steps and pathways of silver release from the sludge generated from coagulation of wastewater spiked with silver nanoparticles. <i>Chemosphere</i> , <b>2021</b> , 282, 131093	8.4	0
17	A critical review of the environmental impacts of manufactured nano-objects on earthworm species. <i>Environmental Pollution</i> , <b>2021</b> , 290, 118041	9.3	8
16	Effect of round-shaped silver nanoparticles on the genetic and functional diversity of soil microbial community in soil and soil-plant systems. <i>Applied Soil Ecology</i> , <b>2021</b> , 168, 104165	5	2
15	Nano-toxicity to Microbes: Potential Implications of Nanomaterials on Microbial Activity. <i>Environmental Chemistry for A Sustainable World</i> , <b>2021</b> , 99-123	0.8	
14	Nanotechnology From Engineers to Toxicologists. <b>2021</b> , 1-29		
13	Novel understanding of toxicity in a life cycle perspective - The mechanisms that lead to population effect - The case of Ag (nano)materials. <i>Environmental Pollution</i> , <b>2020</b> , 262, 114277	9.3	12
12	Environmental hazard testing of nanobiomaterials. <i>Environmental Sciences Europe</i> , <b>2020</b> , 32,	5	8
11	TiO nanoparticles affect the bacterial community structure and (Savigny, 1826) in an arable soil. <i>PeerJ</i> , <b>2019</b> , 7, e6939	3.1	8
10	Fate and removal of silver nanoparticles during sludge conditioning and their impact on soil health after simulated land application. <i>Water Research</i> , <b>2021</b> , 206, 117757	12.5	0
9	Nanopharmaceuticals (Au-NPs) after use: Experiences with a complex higher tier test design simulating environmental fate and effect. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 227, 112949	7	0
8	Ecotoxicity and fate of silver nanomaterial in an outdoor lysimeter study after twofold application by sewage sludge.. <i>Ecotoxicology</i> , <b>2022</b> , 31, 524	2.9	0
7	Advancement of noble metallic nanoparticles in agriculture—promising future: A review. <i>Pedosphere</i> , <b>2022</b> ,	5	0
6	Soil Contamination by Silver and Assessment of Its Ecotoxicity. <i>Reviews in Agricultural Science</i> , <b>2022</b> , 10, 186-205	2.1	1
5	Probabilistic risk assessment of AgNPs for human health through dietary consumptions of crops. <b>2022</b> , 9, 3049-3065		
4	An insight into various biomarkers to study toxicological impact of nanoparticles in fishes: explored and missing information.		1
3	Silver nanoparticles inhibit nitrogen fixation in soybean ( <i>Glycine max</i> ) root nodules.		0

- 2 Does the Nano Character and Type of Nano Silver Coating Affect Its Influence on Calcareous Soil Enzymes Activity?. **2022**, 12, 1968 ○
- 1 Nano technology in sustainable agriculture: A step to turn around Indian rural economy. **2023**, ○