

CITATION REPORT

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Silver ion reduction with peat fulvic acids

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Russian Journal of Applied Chemistry, 2009, 82, 545-548.

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#	Paper	IF	Citations
36	Ion release kinetics and particle persistence in aqueous nano-silver colloids. <i>Environmental Science & Technology</i> , 2010 , 44, 2169-75	10.3	1329
35	Humic acid-induced silver nanoparticle formation under environmentally relevant conditions. <i>Environmental Science & Technology</i> , 2011 , 45, 3895-901	10.3	240
34	Kinetic and mechanism formation of silver nanoparticles coated by synthetic humic substances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 414, 234-243	5.1	33
33	Transport and deposition of Suwannee River Humic Acid/Natural Organic Matter formed silver nanoparticles on silica matrices: the influence of solution pH and ionic strength. <i>Chemosphere</i> , 2013 , 92, 406-12	8.4	22
32	Phyconanotechnology: synthesis of silver nanoparticles using brown marine algae <i>Cystophora moniliformis</i> and their characterisation. <i>Journal of Applied Phycology</i> , 2013 , 25, 177-182	3.2	119
31	Silver nanoparticles in the environment. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 78-92	4.3	239
30	Interactions of aqueous Ag ⁺ with fulvic acids: mechanisms of silver nanoparticle formation and investigation of stability. <i>Environmental Science & Technology</i> , 2013 , 47, 757-64	10.3	137
29	Spectroscopy study of silver nanoparticles fabrication using synthetic humic substances and their antimicrobial activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 108, 115-22	4.4	50
28	The size-controllable, one-step synthesis and characterization of gold nanoparticles protected by synthetic humic substances. <i>Materials Chemistry and Physics</i> , 2014 , 144, 168-178	4.4	25
27	Organic-coated silver nanoparticles in biological and environmental conditions: fate, stability and toxicity. <i>Advances in Colloid and Interface Science</i> , 2014 , 204, 15-34	14.3	267
26	Tracking dissolution of silver nanoparticles at environmentally relevant concentrations in laboratory, natural, and processed waters using single particle ICP-MS (spICP-MS). <i>Environmental Science: Nano</i> , 2014 , 1, 248-259	7.1	127
25	Mechanism and behavior of silver nanoparticles in aqueous medium as adsorbent. <i>Talanta</i> , 2015 , 144, 1377-86	6.2	11
24	Morphological evolution and reconstruction of silver nanoparticles in aquatic environments: the roles of natural organic matter and light irradiation. <i>Journal of Hazardous Materials</i> , 2015 , 292, 61-9	12.8	33
23	Humic substances alleviate the aquatic toxicity of polyvinylpyrrolidone-coated silver nanoparticles to organisms of different trophic levels. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1239-45	3.8	39
22	Source and Pathway of Silver Nanoparticles to the Environment. 2015 , 43-72		3
21	Anti-algae efficacy of silver nanoparticles to <i>Microcystis aeruginosa</i> : Influence of NOM, divalent cations, and pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 509, 492-503	5.1	23
20	Effects of pH, Electrolyte, Humic Acid, and Light Exposure on the Long-Term Fate of Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2016 , 50, 12214-12224	10.3	62

19	Dissolution Behavior of Silver Nanoparticles and Formation of Secondary Silver Nanoparticles in Municipal Wastewater by Single-Particle ICP-MS. <i>Environmental Science & Technology</i> , 2016 , 50, 13318-13327	10.3	39
18	Effect of natural organic matter on dissolution and toxicity of sulfidized silver nanoparticles to <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , 2016 , 3, 728-736	7.1	60
17	Pyoverdine mediated sunlight induced green synthesis of silver nanoparticles. <i>RSC Advances</i> , 2016 , 6, 8503-8510	3.7	3
16	Silver nanoparticle release from commercially available plastic food containers into food simulants. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	87
15	The need for a life-cycle based aging paradigm for nanomaterials: importance of real-world test systems to identify realistic particle transformations. <i>Nanotechnology</i> , 2017 , 28, 072001	3.4	39
14	Effects of Surface Coating on the Bioactivity of Metal-Based Engineered Nanoparticles: Lessons Learned from Higher Plants. <i>Nanomedicine and Nanotoxicology</i> , 2017 , 43-61	0.3	3
13	Stability of single dispersed silver nanoparticles in natural and synthetic freshwaters: Effects of dissolved oxygen. <i>Environmental Pollution</i> , 2017 , 230, 674-682	9.3	25
12	Silver-containing nanocomposites with antioxidant activity based on humic substances of different origin. <i>Russian Chemical Bulletin</i> , 2017 , 66, 143-149	1.7	5
11	Dissolved organic matter and aluminum oxide nanoparticles synergistically cause cellular responses in freshwater microalgae. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018 , 53, 651-658	2.3	10
10	Chemical transformation of silver nanoparticles in aquatic environments: Mechanism, morphology and toxicity. <i>Chemosphere</i> , 2018 , 191, 324-334	8.4	125
9	Carbonaceous nanomaterial-initiated reductive transformation of silver ions in the aqueous environment under sunlight. <i>Science of the Total Environment</i> , 2018 , 644, 315-323	10.2	3
8	Earthworm avoidance of silver nanomaterials over time. <i>Environmental Pollution</i> , 2018 , 239, 751-756	9.3	22
7	Aggregation and dissolution of engineering nano Ag and ZnO pretreated with natural organic matters in the simulated lung biological fluids. <i>Chemosphere</i> , 2019 , 225, 668-677	8.4	11
6	Experimental and theoretical study of the mechanism formation of silver nanoclusters in the reduction reaction of Ag ⁺ ions by alizarin solution. <i>Colloids and Interface Science Communications</i> , 2019 , 29, 47-54	5.4	4
5	Effects of reduced graphene oxide on humic acid-mediated transformation and environmental risks of silver ions. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121597	12.8	9
4	Lability-specific enrichment of typical engineered metal (oxide) nanoparticles by surface-functionalized microbubbles from waters. <i>Science of the Total Environment</i> , 2020 , 719, 137526	10.2	3
3	Flow and fate of silver nanoparticles in small French catchments under different land-uses: The first one-year study. <i>Water Research</i> , 2020 , 176, 115722	12.5	14
2	Waste from Argentometric Determination of Chloride as a Source of Silver in the Synthesis of p-Hydroxybenzoic Acid Capped Silver Nanoparticles. <i>ChemistrySelect</i> , 2021 , 6, 5763-5770	1.8	

- 1 Visible light-driven photocatalytic reduction of monovalent silver using a composite of Ni₃Bi₂S₂ and O-doped gC₃N₄. *Results in Engineering*, **2022**, 100540

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