George Metreveli

List of Publications by Year
in descending order

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21 papers	1,448 citations	567281 15 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2464 citing authors

#	Article	IF	Citations
1	Nanoparticles in the environment: where do we come from, where do we go to?. Environmental Sciences Europe, 2018, 30, 6.	5.5	595
2	Understanding the fate and biological effects of Ag- and TiO2-nanoparticles in the environment: The quest for advanced analytics and interdisciplinary concepts. Science of the Total Environment, 2015, 535, 3-19.	8.0	160
3	The fate of silver nanoparticles in soil solution â€" Sorption of solutes and aggregation. Science of the Total Environment, 2015, 535, 54-60.	8.0	139
4	Effects of silver nanoparticle properties, media pH and dissolved organic matter on toxicity to Daphnia magna. Ecotoxicology and Environmental Safety, 2015, 111, 263-270.	6.0	76
5	Zeta potential measurement as a diagnostic tool in enzyme immobilisation. Colloids and Surfaces B: Biointerfaces, 2008, 66, 39-44.	5.0	70
6	Stabilisation of precipitates of pedogenic dissolved organic matter by multivalent cations. Journal of Soils and Sediments, 2015, 15, 1-12.	3.0	66
7	Disaggregation of silver nanoparticle homoaggregates in a river water matrix. Science of the Total Environment, 2015, 535, 35-44.	8.0	66
8	Impact of chemical composition of ecotoxicological test media on the stability and aggregation status of silver nanoparticles. Environmental Science: Nano, 2016, 3, 418-433.	4.3	46
9	Implications of Pony Lake Fulvic Acid for the Aggregation and Dissolution of Oppositely Charged Surface-Coated Silver Nanoparticles and Their Ecotoxicological Effects on Daphnia magna. Environmental Science & Technology, 2018, 52, 436-445.	10.0	39
10	Transport of citrate-coated silver nanoparticles in unsaturated sand. Science of the Total Environment, 2015, 535, 113-121.	8.0	35
11	Effects of low dose silver nanoparticle treatment on the structure and community composition of bacterial freshwater biofilms. PLoS ONE, 2018, 13, e0199132.	2.5	27
12	Retention and remobilization mechanisms of environmentally aged silver nanoparticles in an artificial riverbank filtration system. Science of the Total Environment, 2018, 645, 192-204.	8.0	26
13	Morphology, structure, and composition of sulfidized silver nanoparticles and their aggregation dynamics in river water. Science of the Total Environment, 2020, 739, 139989.	8.0	20
14	Sublethal concentrations of silver nanoparticles affect the mechanical stability of biofilms. Environmental Science and Pollution Research, 2016, 23, 24277-24288.	5.3	19
15	Engineered nanoparticles in soils and waters. Science of the Total Environment, 2015, 535, 1-2.	8.0	17
16	Exposure pathway dependent effects of titanium dioxide and silver nanoparticles on the benthic amphipod Gammarus fossarum. Aquatic Toxicology, 2019, 212, 47-53.	4.0	13
17	Transport of soil-aged silver nanoparticles in unsaturated sand. Journal of Contaminant Hydrology, 2016, 195, 31-39.	3.3	12
18	Transport and Retention of Sulfidized Silver Nanoparticles in Porous Media: The Role of Airâ€"Water Interfaces, Flow Velocity, and Natural Organic Matter. Water Resources Research, 2020, 56, e2020WR027074.	4.2	11

#	Article	IF	Citations
19	The fate of silver nanoparticles in riverbank filtration systems â€" The role of biological components and flow velocity. Science of the Total Environment, 2020, 699, 134387.	8.0	6
20	Effects of hydrophobicity-based fractions of Pony Lake fulvic acid on the colloidal stability and dissolution of oppositely charged surface-coated silver nanoparticles. Environmental Chemistry, 2020, 17, 400.	1.5	4
21	Distribution of engineered Ag nanoparticles in the aquatic-terrestrial transition zone: a long-term indoor floodplain mesocosm study. Environmental Science: Nano, 2021, 8, 1771-1785.	4.3	1