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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Nanoparticles in the environment: where do we come from, where do we go to?. Environmental Sciences Europe, 2018, 30, 6.	5.5	595
9	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
10	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
11	Transport of soil-aged silver nanoparticles in unsaturated sand. Journal of Contaminant Hydrology, 2016, 195, 31-39.	3.3	12
12	Sublethal concentrations of silver nanoparticles affect the mechanical stability of biofilms. Environmental Science and Pollution Research, 2016, 23, 24277-24288.	5.3	19
13	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
14	Transport of citrate-coated silver nanoparticles in unsaturated sand. Science of the Total Environment, 2015, 535, 113-121.	8.0	35
15	Stabilisation of precipitates of pedogenic dissolved organic matter by multivalent cations. Journal of Soils and Sediments, 2015, 15, 1-12.	3.0	66
16	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
17	Disaggregation of silver nanoparticle homoaggregates in a river water matrix. Science of the Total Environment, 2015, 535, 35-44.	8.0	66
18	Engineered nanoparticles in soils and waters. Science of the Total Environment, 2015, 535, 1-2.	8.0	17

#	Article	IF	Citations
19	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
20	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
21	Zeta potential measurement as a diagnostic tool in enzyme immobilisation. Colloids and Surfaces B: Biointerfaces, 2008, 66, 39-44.	5.0	70