Andreas Fritzsche

List of Publications by Year
in descending order

18	385	687363 13	839539 18
papers	citations	h-index	g-index

18	18	18	591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Remediation of zinc-contaminated groundwater by iron oxide in situ adsorption barriers â€“ From lab to the field. Science of the Total Environment, 2022, 807, 151066.	8.0	18
2	In Situ Remediation of Arsenic-Contaminated Groundwater by Injecting an Iron Oxide Nanoparticle-Based Adsorption Barrier. Water (Switzerland), 2022, 14, 1998.	2.7	3
3	Field-scale demonstration of in situ immobilization of heavy metals by injecting iron oxide nanoparticle adsorption barriers in groundwater. Journal of Contaminant Hydrology, 2021, 237, 103741.	3.3	22
4	Organic Matter from Redoximorphic Soils Accelerates and Sustains Microbial Fe(III) Reduction. Environmental Science & Technology, 2021, 55, 10821-10831.	10.0	22
5	Exposure of humic acid-coated goethite colloids to groundwater does not affect their adsorption of metal(loid)s and their impact on Daphnid mobility. Science of the Total Environment, 2021, 797, 149153.	8.0	3
6	A systematic evaluation of Flow Field Flow Fractionation and single-particle ICP-MS to obtain the size distribution of organo-mineral iron oxyhydroxide colloids. Journal of Chromatography A, 2019, 1599, 203-214.	3.7	17
7	Identification and quantification of single constituents in groundwater with Fourier-transform infrared spectroscopy and Positive Matrix Factorization. Vibrational Spectroscopy, 2019, 100, 152-158.	2.2	6
8	Efficient removal of arsenate from oxic contaminated water by colloidal humic acid-coated goethite: Batch and column experiments. Journal of Cleaner Production, 2018, 189, 510-518.	9.3	32
9	Steel pickling rinse water sludge: Concealed formation of Cr(VI) driven by the enhanced oxidation of nitrite. Journal of Environmental Chemical Engineering, 2017, 5, 2163-2170.	6.7	7
10	Colloidal-Bound Polyphosphates and Organic Phosphates Are Bioavailable: A Nutrient Solution Study. Journal of Agricultural and Food Chemistry, 2017, 65, 6762-6770.	5.2	21
11	The composition of mobile matter in a floodplain topsoil: A comparative study with soil columns and field lysimeters. Journal of Plant Nutrition and Soil Science, 2016, 179, 18-28.	1.9	7
12	Structure and composition of Feâ€“OM co-precipitates that form in soil-derived solutions. Geochimica Et Cosmochimica Acta, 2015, 169, 167-183.	3.9	33
13	Size- and Composition-Dependent Toxicity of Synthetic and Soil-Derived Fe Oxide Colloids for the NematodeCaenorhabditis elegans. Environmental Science & Technology, 2015, 49, 544-552.	10.0	36
14	Fast microbial reduction of ferrihydrite colloids from a soil effluent. Geochimica Et Cosmochimica Acta, 2012, 77, 444-456.	3.9	27
15	Arsenic strongly associates with ferrihydrite colloids formed in a soil effluent. Environmental Pollution, 2011, 159, 1398-1405.	7.5	71
16	Nanosized Ferrihydrite Colloids Facilitate Microbial Iron Reduction under Flow Conditions. Geomicrobiology Journal, 2010, 27, 123-129.	2.0	23
17	Arsenic Transformation by Azospirillum Brasilense Sp245 in Association with Wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.7	23
18	Arsenic fixation on iron-hydroxide-rich and plant litter-containing sediments in natural environments. Environmental Geology, 2006, 51, 133-142.	1.2	14