

Andreas Fritzsche

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

385
citations

687363

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839539

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docs citations

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591
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Arsenic strongly associates with ferrihydrite colloids formed in a soil effluent. <i>Environmental Pollution</i> , 2011, 159, 1398-1405. | 7.5 | 71 |
| 2 | Size- and Composition-Dependent Toxicity of Synthetic and Soil-Derived Fe Oxide Colloids for the Nematode <i>Caenorhabditis elegans</i> . <i>Environmental Science & Technology</i> , 2015, 49, 544-552. | 10.0 | 36 |
| 3 | Structure and composition of Fe-OM co-precipitates that form in soil-derived solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 167-183. | 3.9 | 33 |
| 4 | Efficient removal of arsenate from oxidized contaminated water by colloidal humic acid-coated goethite: Batch and column experiments. <i>Journal of Cleaner Production</i> , 2018, 189, 510-518. | 9.3 | 32 |
| 5 | Fast microbial reduction of ferrihydrite colloids from a soil effluent. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 444-456. | 3.9 | 27 |
| 6 | Arsenic Transformation by <i>Azospirillum Brasilense</i> Sp245 in Association with Wheat (<i>Triticum</i>) Tj ETQq 0 0 rgBT /Overlock 10 Tf 50 542 | 3.7 | 23 |
| 7 | Nanosized Ferrihydrite Colloids Facilitate Microbial Iron Reduction under Flow Conditions. <i>Geomicrobiology Journal</i> , 2010, 27, 123-129. | 2.0 | 23 |
| 8 | Field-scale demonstration of in situ immobilization of heavy metals by injecting iron oxide nanoparticle adsorption barriers in groundwater. <i>Journal of Contaminant Hydrology</i> , 2021, 237, 103741. | 3.3 | 22 |
| 9 | Organic Matter from Redoximorphic Soils Accelerates and Sustains Microbial Fe(III) Reduction. <i>Environmental Science & Technology</i> , 2021, 55, 10821-10831. | 10.0 | 22 |
| 10 | Colloidal-Bound Polyphosphates and Organic Phosphates Are Bioavailable: A Nutrient Solution Study. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6762-6770. | 5.2 | 21 |
| 11 | Remediation of zinc-contaminated groundwater by iron oxide in situ adsorption barriers " From lab to the field. <i>Science of the Total Environment</i> , 2022, 807, 151066. | 8.0 | 18 |
| 12 | A systematic evaluation of Flow Field Flow Fractionation and single-particle ICP-MS to obtain the size distribution of organo-mineral iron oxyhydroxide colloids. <i>Journal of Chromatography A</i> , 2019, 1599, 203-214. | 3.7 | 17 |
| 13 | Arsenic fixation on iron-hydroxide-rich and plant litter-containing sediments in natural environments. <i>Environmental Geology</i> , 2006, 51, 133-142. | 1.2 | 14 |
| 14 | The composition of mobile matter in a floodplain topsoil: A comparative study with soil columns and field lysimeters. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 18-28. | 1.9 | 7 |
| 15 | Steel pickling rinse water sludge: Concealed formation of Cr(VI) driven by the enhanced oxidation of nitrite. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2163-2170. | 6.7 | 7 |
| 16 | Identification and quantification of single constituents in groundwater with Fourier-transform infrared spectroscopy and Positive Matrix Factorization. <i>Vibrational Spectroscopy</i> , 2019, 100, 152-158. | 2.2 | 6 |
| 17 | Exposure of humic acid-coated goethite colloids to groundwater does not affect their adsorption of metal(loid)s and their impact on Daphnid mobility. <i>Science of the Total Environment</i> , 2021, 797, 149153. | 8.0 | 3 |
| 18 | In Situ Remediation of Arsenic-Contaminated Groundwater by Injecting an Iron Oxide Nanoparticle-Based Adsorption Barrier. <i>Water (Switzerland)</i> , 2022, 14, 1998. | 2.7 | 3 |