Lars LÃ¶vgren

List of Publications by Year
in descending order

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37 papers	1,949 citations	279798 23 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	1916 citing authors

#	Article	IF	Citations
1	Schwertmannite precipitated from acid mine drainage: phase transformation, sulphate release and surface properties. Applied Geochemistry, 2005, 20, 179-191.	3.0	239
2	Acid/base reactions and Al(III) complexation at the surface of goethite. Geochimica Et Cosmochimica Acta, 1990, 54, 1301-1306.	3.9	149
3	Phosphate Sorption in Aluminum- and Iron-Rich Humus Soils. Soil Science Society of America Journal, 2005, 69, 77-86.	2.2	121
4	Potentiometric and spectroscopic studies of sulfate complexation at the goethite-water interface. Geochimica Et Cosmochimica Acta, 1996, 60, 2789-2799.	3.9	99
5	Potentiometric Titrations as a Tool for Surface Charge Determination. Croatica Chemica Acta, 2012, 85, 391-417.	0.4	96
6	Competitive surface complexation of o-phthalate and phosphate on goethite (Î±-FeOOH) particles. Geochimica Et Cosmochimica Acta, 1996, 60, 4385-4395.	3.9	95
7	Complexation of Pb(II) at the goethite (Î±-FeOOH)/water interface: The influence of chloride. Geochimica Et Cosmochimica Acta, 1994, 58, 4973-4983.	3.9	88
8	Precipitation of secondary Fe(III) minerals from acid mine drainage. Applied Geochemistry, 2006, 21, 437-445.	3.0	83
9	Comparison of the Adsorption ofo-Phthalate on Boehmite (Î³-AlOOH), Aged Î³-Al2O3, and Goethite (Î±-FeOOH). Journal of Colloid and Interface Science, 1998, 206, 252-266.	9.4	81
10	Silicate mineral dissolution in the presence of acidophilic microorganisms: Implications for heap bioleaching. Hydrometallurgy, 2009, 96, 288-293.	4.3	78
11	Equilibrium approaches to natural water systemsâ€”7. Complexation reactions of copper(II), cadmium(II) and mercury(II) with dissolved organic matter in a concentrated bog-water. Water Research, 1989, 23, 327-332.	11.3	68
12	Extreme zinc tolerance in acidophilic microorganisms from the bacterial and archaeal domains. Extremophiles, 2013, 17, 75-85.	2.3	68
13	Strontium Sorption on Hematite at Elevated Temperatures. Journal of Colloid and Interface Science, 1999, 220, 419-428.	9.4	56
14	Metal resistance or tolerance? Acidophiles confront high metal loads via both abiotic and biotic mechanisms. Frontiers in Microbiology, 2014, 5, 157.	3.5	51
15	Adsorption of Cu(II) to schwertmannite and goethite in presence of dissolved organic matter. Water Research, 2006, 40, 969-974.	11.3	50
16	Impact of water saturation level on arsenic and metal mobility in the Fe-amended soil. Chemosphere, 2009, 74, 206-215.	8.2	48
17	Aqueous geochemistry in the Udden pit lake, northern Sweden. Applied Geochemistry, 2003, 18, 97-108.	3.0	47
18	Potentiometric titration of unbleached kraft cellulose fibre surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 88, 277-287.	4.7	45

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19	Limitations of the potentiometric titration technique in determining the proton active site density of goethite surfaces. Geochimica Et Cosmochimica Acta, 2002, 66, 3389-3396.	3.9	44
20	Equilibrium approaches to natural water systemsâ€"6. Acid-base properties of a concentrated bog-water and its complexation reactions with aluminium(III). Water Research, 1987, 21, 1401-1407.	11.3	43
21	Protonation of different goethite surfacesâ€"Unified models for NaNO3 and NaCl media. Journal of Colloid and Interface Science, 2008, 317, 155-165.	9.4	43
22	Phosphate complexation at the surface of goethite. Chemical Speciation and Bioavailability, 1992, 4, 121-130.	2.0	42
23	Complexation reactions of phthalic acid and aluminium (III) with the surface of goethite. Geochimica Et Cosmochimica Acta, 1991, 55, 3639-3645.	3.9	24
24	In SituVoltammetric Determinations of Metal Ions in Goethite Suspensions: Single Metal Ion Systems. Journal of Colloid and Interface Science, 1997, 196, 254-266.	9.4	24
25	Surface complexes of monomethyl phosphate stabilized by hydrogen bonding on goethite (Î±-FeOOH) nanoparticles. Journal of Colloid and Interface Science, 2012, 386, 350-358.	9.4	23
26	The application of potentiometric techniques to study complexation reactions at the mineral/water interface. Aquatic Sciences, 1993, 55, 324-335.	1.5	21
27	Evaluation of different approaches to quantify strong organic acidity and acidâ€"base buffering of organic-rich surface waters in Sweden. Water Research, 2002, 36, 4487-4496.	11.3	21
28	Complexation of Gold(III)-Chloride at the Surface of Hematite. Aquatic Geochemistry, 1998, 4, 215-231.	1.3	20
29	Competitive Metal Ion Adsorption in Goethite Systems Using In Situ Voltammetric Methods and Potentiometry. Journal of Colloid and Interface Science, 1999, 218, 388-396.	9.4	15
30	Evaluation of barrier materials for removing pollutants from groundwater rich in natural organic matter. Water Science and Technology, 2014, 70, 32-39.	2.5	14
31	On the leaching of mercury by brackish seawater from permeable barriers materials and soil. Journal of Environmental Chemical Engineering, 2015, 3, 1200-1206.	6.7	11
32	Multivariate assessment of barriers materials for treatment of complex groundwater rich in dissolved organic matter and organic and inorganic contaminants. Journal of Environmental Chemical Engineering, 2017, 5, 3075-3082.	6.7	11
33	Techniques for the Stabilization and Assessment of Treated Copper-, Chromium-, and Arsenic-contaminated Soil. Ambio, 2007, 36, 430-436.	5.5	9
34	Surface complexation modelling of arsenate and copper adsorbed at the goethite/water interface. Applied Geochemistry, 2013, 35, 64-74.	3.0	9
35	Composition and solubility of precipitated copper(II) arsenates. Applied Geochemistry, 2011, 26, 696-704.	3.0	8
36	Comparison of nutrient concentrations in leaves of five plants. Journal of Plant Nutrition, 2017, 40, 239-247.	1.9	5

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37	Arsenic chemical species-dependent genotoxic potential in water extracts from two CCA-contaminated soils measured by DNA-repair deficient CHO-cells. Science of the Total Environment, 2009, 407, 4253-4260.	8.0	0