

Gerhard Furrer

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,468
citations

471509

17
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1771
citing authors

#	ARTICLE	IF	CITATIONS
1	The Origin of Aluminum Floccs in Polluted Streams. <i>Science</i> , 2002, 297, 2245-2247.	12.6	246
2	Immobilization of Heavy Metals by Polynuclear Aluminium and Montmorillonite Compounds. <i>Environmental Science & Technology</i> , 1997, 31, 1452-1462.	10.0	164
3	On the chemistry of the Keggin Al ₁₃ polymer. <i>Journal of Colloid and Interface Science</i> , 1992, 149, 56-67.	9.4	162
4	Chemical and Biological Gradients along the Damma Glacier Soil Chronosequence, Switzerland. <i>Vadose Zone Journal</i> , 2011, 10, 867-883.	2.2	158
5	Heavy Metal Sorption on Clay Minerals Affected by the Siderophore Desferrioxamine B. <i>Environmental Science & Technology</i> , 2000, 34, 2749-2755.	10.0	154
6	Siderophores, NTA, and Citrate: Potential Soil Amendments to Enhance Heavy Metal Mobility in Phytoremediation. <i>International Journal of Phytoremediation</i> , 2000, 2, 353-368.	3.1	85
7	Polyaluminum chloride with high Al ₃₀ content as removal agent for arsenic-contaminated well water. <i>Water Research</i> , 2012, 46, 53-62.	11.3	64
8	Immobilization of Zinc and Cadmium by Montmorillonite Compounds: Effects of Aging and Subsequent Acidification. <i>Environmental Science & Technology</i> , 1999, 33, 2945-2952.	10.0	61
9	Chemical mechanisms in the dissolution kinetics of minerals; the aspect of active sites. <i>Aquatic Sciences</i> , 1990, 52, 3-31.	1.5	60
10	Adsorption of Arsenic on Polyaluminum Granulate. <i>Environmental Science & Technology</i> , 2012, 46, 7310-7317.	10.0	48
11	Sorption of lead on Iranian bentonite and zeolite: kinetics and isotherms. <i>Environmental Earth Sciences</i> , 2011, 62, 559-568.	2.7	45
12	Clogging of an Alpine streambed by silt-sized particles – Insights from laboratory and field experiments. <i>Water Research</i> , 2017, 126, 60-69.	11.3	44
13	Arsenate uptake by Al nanoclusters and other Al-based sorbents during water treatment. <i>Water Research</i> , 2016, 88, 844-851.	11.3	35
14	Immobilization of Zinc and Cadmium in Polluted Soils by Polynuclear Al ₁₃ and Al-Montmorillonite. <i>Journal of Soil Contamination</i> , 1998, 7, 573-588.	0.5	30
15	Large Molecules as Models for Small Particles in Aqueous Geochemistry Research. <i>Journal of Nanoparticle Research</i> , 2005, 7, 377-387.	1.9	26
16	Thermostatted dual-channel portable capillary electrophoresis instrument. <i>Electrophoresis</i> , 2016, 37, 2368-2375.	2.4	24
17	Kinetics of Carbosulfan Degradation in the Aqueous Phase in the Presence of a Cosolvent. <i>Journal of Environmental Quality</i> , 2000, 29, 1481-1487.	2.0	19
18	Heavy Metal Effects on β -Glucosidase Activity Influenced by pH and Buffer Systems. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1999, 14, 365-379.	0.5	16

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19	Weathering of Granite from the Damma Glacier Area: The Contribution of Cyanogenic Bacteria. Geomicrobiology Journal, 2014, 31, 93-100.	2.0	16
20	Soil bacteria sensitivity towards heavy metals ? Experimental system optimisation using chemical speciation calculations. Analytical and Bioanalytical Chemistry, 1996, 354, 624-628.	3.7	5
21	Use of Completely Mixed Flow-Through Systems:Â Hydrolysis of Phenyl Picolinate. Environmental Science & Technology, 1997, 31, 3692-3701.	10.0	5