

Tobias Roetting

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

796
citations

17
h-index

20
g-index

20
ext. papers

859
ext. citations

6.6
avg, IF

3.67
L-index

#	Paper	IF	Citations
20	Field multi-step limestone and MgO passive system to treat acid mine drainage with high metal concentrations. <i>Applied Geochemistry</i> , 2009 , 24, 2301-2311	3.5	64
19	Acid mine drainage in the Iberian Pyrite Belt: 2. Lessons learned from recent passive remediation experiences. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 7837-53	5.1	60
18	Long term remediation of highly polluted acid mine drainage: a sustainable approach to restore the environmental quality of the Odiel river basin. <i>Environmental Pollution</i> , 2011 , 159, 3613-9	9.3	59
17	From highly polluted Zn-rich acid mine drainage to non-metallic waters: implementation of a multi-step alkaline passive treatment system to remediate metal pollution. <i>Science of the Total Environment</i> , 2012 , 433, 323-30	10.2	58
16	Use of caustic magnesia to remove cadmium, nickel, and cobalt from water in passive treatment systems: column experiments. <i>Environmental Science & Technology</i> , 2006 , 40, 6438-43	10.3	58
15	Natural pretreatment and passive remediation of highly polluted acid mine drainage. <i>Journal of Environmental Management</i> , 2012 , 104, 93-100	7.9	56
14	In-situ remediation of acid mine drainage using a permeable reactive barrier in Aznalc��ar (Sw Spain). <i>Journal of Hazardous Materials</i> , 2011 , 191, 287-95	12.8	56
13	Field application of calcite Dispersed Alkaline Substrate (calcite-DAS) for passive treatment of acid mine drainage with high Al and metal concentrations. <i>Applied Geochemistry</i> , 2008 , 23, 1660-1674	3.5	56
12	Sequential extraction and DXRD applicability to poorly crystalline Fe- and Al-phase characterization from an acid mine water passive remediation system. <i>American Mineralogist</i> , 2009 , 94, 1029-1038	2.9	42
11	A fractal model to describe the evolution of multiphase flow properties during mineral dissolution. <i>Advances in Water Resources</i> , 2014 , 67, 78-86	4.7	38
10	Passive treatment of acid mine drainage with high metal concentrations using dispersed alkaline substrate. <i>Journal of Environmental Quality</i> , 2008 , 37, 1741-51	3.4	37
9	Changes in porosity, permeability, water retention curve and reactive surface area during carbonate rock dissolution. <i>Chemical Geology</i> , 2015 , 403, 86-98	4.2	35
8	A rich vein? Mining and the pursuit of sustainability. <i>Environmental Science & Technology</i> , 2011 , 45, 21-6	10.3	33
7	Improved passive treatment of high Zn and Mn concentrations using caustic magnesia (MgO): particle size effects. <i>Environmental Science & Technology</i> , 2008 , 42, 9370-7	10.3	33
6	Stakeholder participation within the public environmental system in Chile: major gaps between theory and practice. <i>Journal of Environmental Management</i> , 2011 , 92, 2470-8	7.9	31
5	Hydrochemical and isotopic patterns in a calc-alkaline Cu- and Au-rich arid Andean basin: The Elqui River watershed, North Central Chile. <i>Applied Geochemistry</i> , 2013 , 33, 50-63	3.5	18
4	Abandoned tailings deposits, acid drainage and alluvial sediments geochemistry, in the arid Elqui River Basin, North-Central Chile. <i>Journal of Geochemical Exploration</i> , 2012 , 115, 47-58	3.8	18

3	Stream-stage response tests and their joint interpretation with pumping tests. <i>Ground Water</i> , 2006 , 44, 371-85	2.4	17
2	Implementation of an MgO-based metal removal step in the passive treatment system of Shilbottle, UK: column experiments. <i>Journal of Hazardous Materials</i> , 2010 , 181, 923-30	12.8	16
1	Use of hydraulic tests to identify the residual CO ₂ saturation at a geological storage site. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 19, 652-664	4.2	11