Ruben Kretzschmar

List of Publications by Year
in descending order

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210 papers	16,436 citations	10650 74 h-index	21843 118 g-index
216 all docs	216 docs citations	216 times ranked	13740 citing authors

#	Article	IF	Citations
1	Mineral characterization and composition of Fe-rich flocs from wetlands of Iceland: Implications for Fe, C and trace element export. Science of the Total Environment, 2022, 816, 151567.	3.9	8
2	Stabilization of Ferrihydrite and Lepidocrocite by Silicate during Fe(II)-Catalyzed Mineral Transformation: Impact on Particle Morphology and Silicate Distribution. Environmental Science & Technology, 2022, 56, 5929-5938.	4.6	25
3	Exploring Key Soil Parameters Relevant to Arsenic and Cadmium Accumulation in Rice Grain in Southern China. Soil Systems, 2022, 6, 36.	1.0	4
4	Microbial Fe cycling in a simulated Precambrian ocean environment: Implications for secondary mineral (trans)formation and deposition during BIF genesis. Geochimica Et Cosmochimica Acta, 2022, 331, 165-191.	1.6	8
5	Copper mobilisation from Cu sulphide minerals by methanobactin: Effect of <scp>pH</scp>, oxygen and natural organic matter. Geobiology, 2022, 20, 690-706.	1.1	5
6	Microspectroscopy reveals dust-derived apatite grains in acidic, highly-weathered Hawaiian soils. Geoderma, 2021, 381, 114681.	2.3	22
7	The Voltaic Effect as a Novel Mechanism Controlling the Remobilization of Cadmium in Paddy Soils during Drainage. Environmental Science & Technology, 2021, 55, 1750-1758.	4.6	59
8	Mercury Reduction by Nanoparticulate Vivianite. Environmental Science & Technology, 2021, 55, 3399-3407.	4.6	18
9	Two-year and multi-site field trials to evaluate soil amendments for controlling cadmium accumulation in rice grain. Environmental Pollution, 2021, 289, 117918.	3.7	20
10	The Effect of Aeration on Mn(II) Sorbed to Clay Minerals and Its Impact on Cd Retention. Environmental Science & Technology, 2021, 55, 1650-1658.	4.6	16
11	Impact of Organic Matter on Microbially-Mediated Reduction and Mobilization of Arsenic and Iron in Arsenic(V)-Bearing Ferrihydrite. Environmental Science & Technology, 2021, 55, 1319-1328.	4.6	39
12	A coupled function of biochar as geobattery and geoconductor leads to stimulation of microbial Fe(III) reduction and methanogenesis in a paddy soil enrichment culture. Soil Biology and Biochemistry, 2021, 163, 108446.	4.2	19
13	Aggregation-dependent electron transfer via redox-active biochar particles stimulate microbial ferrihydrite reduction. Science of the Total Environment, 2020, 703, 135515.	3.9	57
14	Processes Governing Chromium Contamination of Groundwater and Soil from a Chromium Waste Source. ACS Earth and Space Chemistry, 2020, 4, 35-49.	1.2	29
15	Organic matter influences transformation products of ferrihydrite exposed to sulfide. Environmental Science: Nano, 2020, 7, 3405-3418.	2.2	23
16	Effects of natural organic matter (NOM), metal-to-sulfide ratio and Mn2+on cadmium sulfide nanoparticle growth and colloidal stability. Environmental Science: Nano, 2020, 7, 3385-3404.	2.2	7
17	Interactions of ferrous iron with clay mineral surfaces during sorption and subsequent oxidation. Environmental Sciences: Processes and Impacts, 2020, 22, 1355-1367.	1.7	25
18	Leaching of hexavalent chromium from young chromite ore processing residue. Journal of Environmental Quality, 2020, 49, 712-722.	1.0	10

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19	Effect of NOM on copper sulfide nanoparticle growth, stability, and oxidative dissolution. Environmental Science: Nano, 2020, 7, 1163-1178.	2.2	11
20	Nitrite Accumulation Is Required for Microbial Anaerobic Iron Oxidation, but Not for Arsenite Oxidation, in Two Heterotrophic Denitrifiers. Environmental Science & Technology, 2020, 54, 4036-4045.	4.6	33
21	Surface precipitation of Mn²⁺ on clay minerals enhances Cd²⁺ sorption under anoxic conditions. Environmental Sciences: Processes and Impacts, 2020, 22, 1654-1665.	1.7	15
22	The within-field spatial variation in rice grain Cd concentration is determined by soil redox status and pH during grain filling. Environmental Pollution, 2020, 261, 114151.	3.7	55
23	Arsenic redox transformations and cycling in the rhizosphere of Pteris vittata and Pteris quadriaurita. Environmental and Experimental Botany, 2020, 177, 104122.	2.0	25
24	Ferrihydrite Growth and Transformation in the Presence of Ferrous Iron and Model Organic Ligands. Environmental Science & Technology, 2019, 53, 13636-13647.	4.6	68
25	Effect of extreme metal(loid) concentrations on prokaryotic community structure in floodplain soils contaminated with mine waste. Applied Soil Ecology, 2019, 144, 182-195.	2.1	2
26	Decreases in Iron Oxide Reducibility during Microbial Reductive Dissolution and Transformation of Ferrihydrite. Environmental Science & Technology, 2019, 53, 8736-8746.	4.6	52
27	Microbial sulfate reduction decreases arsenic mobilization in flooded paddy soils with high potential for microbial Fe reduction. Environmental Pollution, 2019, 251, 952-960.	3.7	61
28	Mercury emission from industrially contaminated soils in relation to chemical, microbial, and meteorological factors. Environmental Pollution, 2019, 250, 944-952.	3.7	27
29	Electrochemical Analysis of Changes in Iron Oxide Reducibility during Abiotic Ferrihydrite Transformation into Goethite and Magnetite. Environmental Science & Technology, 2019, 53, 3568-3578.	4.6	60
30	Mineralogical Controls on the Bioaccessibility of Arsenic in Fe(III)â€“As(V) Coprecipitates. Environmental Science & Technology, 2018, 52, 616-627.	4.6	28
31	A laboratory investigation of the ice nucleation efficiency of three types of mineral and soil dust. Atmospheric Chemistry and Physics, 2018, 18, 16515-16536.	1.9	31
32	The genomic basis of adaptation to calcareous and siliceous soils in Arabidopsis lyrata. Molecular Ecology, 2018, 27, 5088-5103.	2.0	20
33	Speciation and Mobility of Mercury in Soils Contaminated by Legacy Emissions from a Chemical Factory in the RhÃ´ne Valley in Canton of Valais, Switzerland. Soil Systems, 2018, 2, 44.	1.0	22
34	Impact of Organic Matter on Iron(II)-Catalyzed Mineral Transformations in Ferrihydriteâ€“Organic Matter Coprecipitates. Environmental Science & Technology, 2018, 52, 12316-12326.	4.6	139
35	Copper Mobilization and Immobilization along an Organic Matter and Redox Gradientâ€”Insights from a Mofette Site. Environmental Science & Technology, 2018, 52, 13698-13707.	4.6	23
36	Monothioarsenate Transformation Kinetics Determining Arsenic Sequestration by Sulfhydryl Groups of Peat. Environmental Science & Technology, 2018, 52, 7317-7326.	4.6	37

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37	Mercury isotope signatures of digests and sequential extracts from industrially contaminated soils and sediments. Science of the Total Environment, 2018, 636, 1344-1354.	3.9	32
38	Combining spectroscopic and isotopic techniques gives a dynamic view of phosphorus cycling in soil. Nature Communications, 2018, 9, 3226.	5.8	141
39	Iron(II)-Catalyzed Iron Atom Exchange and Mineralogical Changes in Iron-rich Organic Freshwater Flocs: An Iron Isotope Tracer Study. Environmental Science & Technology, 2017, 51, 6897-6907.	4.6	69
40	Reductive solubilization of arsenic in a mining-impacted river floodplain: Influence of soil properties and temperature. Environmental Pollution, 2017, 231, 722-731.	3.7	24
41	Source tracing of natural organic matter bound mercury in boreal forest runoff with mercury stable isotopes. Environmental Sciences: Processes and Impacts, 2017, 19, 1235-1248.	1.7	67
42	Control of arsenic mobilization in paddy soils by manganese and iron oxides. Environmental Pollution, 2017, 231, 37-47.	3.7	145
43	Solid Phase Speciation and Solubility of Vanadium in Highly Weathered Soils. Environmental Science & Technology, 2017, 51, 8254-8262.	4.6	46
44	Effects of Manganese Oxide on Arsenic Reduction and Leaching from Contaminated Floodplain Soil. Environmental Science & Technology, 2016, 50, 9251-9261.	4.6	39
45	Soil-to-plant transfer of arsenic and phosphorus along a contamination gradient in the mining-impacted Ogosta River floodplain. Science of the Total Environment, 2016, 572, 742-754.	3.9	21
46	Tetra- and Hexavalent Uranium Forms Bidentate-Mononuclear Complexes with Particulate Organic Matter in a Naturally Uranium-Enriched Peatland. Environmental Science & Technology, 2016, 50, 10465-10475.	4.6	55
47	An American in Zurich: Jerry Schnoor as an Ambassador for U.S. Environmental Science and Engineering. Environmental Science & Technology, 2016, 50, 6597-6598.	4.6	0
48	Sulfidization of Organic Freshwater Flocs from a Minerotrophic Peatland: Speciation Changes of Iron, Sulfur, and Arsenic. Environmental Science & Technology, 2016, 50, 3607-3616.	4.6	47
49	Chemical Properties and Processes. , 2016, , 123-174.		6
50	Mercury Isotope Signatures in Contaminated Sediments as a Tracer for Local Industrial Pollution Sources. Environmental Science & Technology, 2015, 49, 177-185.	4.6	75
51	Mercury Isotope Fractionation during Precipitation of Metacinnabar (Î²-HgS) and Montroydite (HgO). Environmental Science & Technology, 2015, 49, 4325-4334.	4.6	55
52	Mercury Deposition and Re-emission Pathways in Boreal Forest Soils Investigated with Hg Isotope Signatures. Environmental Science & Technology, 2015, 49, 7188-7196.	4.6	242
53	Stable Hg Isotope Signatures in Creek Sediments Impacted by a Former Hg Mine. Environmental Science & Technology, 2015, 49, 767-776.	4.6	32
54	ClostridiumSpecies as Metallic Copper-Forming Bacteria in Soil under Reducing Conditions. Geomicrobiology Journal, 2015, 32, 130-139.	1.0	17

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55	Bioaccessibility of Arsenic in Mining-Impacted Circumneutral River Floodplain Soils. Environmental Science & Technology, 2014, 48, 13468-13477.	4.6	32
56	Small-scale studies of roasted ore waste reveal extreme ranges of stable mercury isotope signatures. Geochimica Et Cosmochimica Acta, 2014, 137, 1-17.	1.6	33
57	Impact of Birnessite on Arsenic and Iron Speciation during Microbial Reduction of Arsenic-Bearing Ferrihydrite. Environmental Science & Technology, 2014, 48, 11320-11329.	4.6	69
58	Iron and Arsenic Speciation and Distribution in Organic Flocs from Streambeds of an Arsenic-Enriched Peatland. Environmental Science & Technology, 2014, 48, 13218-13228.	4.6	52
59	Arsenic Species Formed from Arsenopyrite Weathering along a Contamination Gradient in Circumneutral River Floodplain Soils. Environmental Science & Technology, 2014, 48, 208-217.	4.6	44
60	Oxidation of Organosulfur-Coordinated Arsenic and Realgar in Peat: Implications for the Fate of Arsenic. Environmental Science & Technology, 2014, 48, 2281-2289.	4.6	29
61	Kinetics of Hg(II) Exchange between Organic Ligands, Goethite, and Natural Organic Matter Studied with an Enriched Stable Isotope Approach. Environmental Science & Technology, 2014, 48, 13207-13217.	4.6	48
62	Arsenite Binding to Sulfhydryl Groups in the Absence and Presence of Ferrihydrite: A Model Study. Environmental Science & Technology, 2014, 48, 3822-3831.	4.6	25
63	Evolution of carbon fluxes during initial soil formation along the forefield of Damma glacier, Switzerland. Biogeochemistry, 2013, 113, 545-561.	1.7	38
64	Redox transformation, solid phase speciation and solution dynamics of copper during soil reduction and reoxidation as affected by sulfate availability. Geochimica Et Cosmochimica Acta, 2013, 123, 385-402.	1.6	73
65	Copper Redox Transformation and Complexation by Reduced and Oxidized Soil Humic Acid. 1. X-ray Absorption Spectroscopy Study. Environmental Science & Technology, 2013, 47, 10903-10911.	4.6	66
66	Copper Redox Transformation and Complexation by Reduced and Oxidized Soil Humic Acid. 2. Potentiometric Titrations and Dialysis Cell Experiments. Environmental Science & Technology, 2013, 47, 10912-10921.	4.6	35
67	Arsenite Binding to Natural Organic Matter: Spectroscopic Evidence for Ligand Exchange and Ternary Complex Formation. Environmental Science & Technology, 2013, 47, 12165-12173.	4.6	80
68	Response to Comment on â€œNew Clues to the Local Atomic Structure of Short-Range Ordered Ferric Arsenate from Extended X-ray Absorption Fine Structure Spectroscopyâ€• Environmental Science & Technology, 2013, 47, 13201-13202.	4.6	14
69	Mineralisation and leaching of C from 13C labelled plant litter along an initial soil chronosequence of a glacier forefield. Soil Biology and Biochemistry, 2013, 57, 237-247.	4.2	21
70	Temperature-dependent formation of metallic copper and metal sulfide nanoparticles during flooding of a contaminated soil. Geochimica Et Cosmochimica Acta, 2013, 103, 316-332.	1.6	71
71	Competitive ligand exchange between <scp><scp>Cu</scp></scp>â€“humic acid complexes and methanobactin. Geobiology, 2013, 11, 44-54.	1.1	18
72	New Clues to the Local Atomic Structure of Short-Range Ordered Ferric Arsenate from Extended X-ray Absorption Fine Structure Spectroscopy. Environmental Science & Technology, 2013, 47, 3122-3131.	4.6	30

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73	In situ ATR-FTIR spectroscopic analysis of the co-adsorption of orthophosphate and Cd(II) onto hematite. Geochimica Et Cosmochimica Acta, 2013, 117, 53-64.	1.6	94
74	Mercury Isotope Signatures as Tracers for Hg Cycling at the New Idria Hg Mine. Environmental Science & Technology, 2013, 47, 6137-6145.	4.6	69
75	Calcium isotope fractionation in alpine plants. Biogeochemistry, 2013, 112, 373-388.	1.7	44
76	Spatial Distribution and Speciation of Arsenic in Peat Studied with Microfocused X-ray Fluorescence Spectrometry and X-ray Absorption Spectroscopy. Environmental Science & Technology, 2013, 47, 9706-9714.	4.6	69
77	Mercury Mobilization in a Flooded Soil by Incorporation into Metallic Copper and Metal Sulfide Nanoparticles. Environmental Science & Technology, 2013, 47, 7739-7746.	4.6	39
78	Redox-Controlled Changes in Cadmium Solubility and Solid-Phase Speciation in a Paddy Soil As Affected by Reducible Sulfate and Copper. Environmental Science & Technology, 2013, 47, 12775-12783.	4.6	222
79	Aerobic Reduction of Chromium(VI) byPseudomonas corrugata28: Influence of Metabolism and Fate of Reduced Chromium. Geomicrobiology Journal, 2012, 29, 173-185.	1.0	22
80	Synchrotron-based Spectroscopy Reveals First Evidence for Organic Sulfur-coordinated Arsenic in Peat. Chimia, 2012, 66, 877-877.	0.3	2
81	Reduction and Reoxidation of Humic Acid: Influence on Speciation of Cadmium and Silver. Environmental Science & Technology, 2012, 46, 8808-8816.	4.6	66
82	Solution Speciation Controls Mercury Isotope Fractionation of Hg(II) Sorption to Goethite. Environmental Science & Technology, 2012, 46, 6654-6662.	4.6	143
83	Bisulfide Reaction with Natural Organic Matter Enhances Arsenite Sorption: Insights from X-ray Absorption Spectroscopy. Environmental Science & Technology, 2012, 46, 11788-11797.	4.6	87
84	ATR-FTIR Spectroscopy Study of the Influence of pH and Contact Time on the Adhesion of Shewanella putrefaciens Bacterial Cells to the Surface of Hematite. Environmental Science & Technology, 2012, 46, 12848-12855.	4.6	107
85	Polymerization of Silicate on Hematite Surfaces and Its Influence on Arsenic Sorption. Environmental Science & Technology, 2012, 46, 13235-13243.	4.6	71
86	Copper complexation of methanobactin isolated from Methylosinus trichosporium OB3b: pH-dependent speciation and modeling. Journal of Inorganic Biochemistry, 2012, 116, 55-62.	1.5	19
87	Arsenic sequestration by organic sulphur in peat. Nature Geoscience, 2012, 5, 66-73.	5.4	201
88	Speciation of Zn in Blast Furnace Sludge from Former Sedimentation Ponds Using Synchrotron X-ray Diffraction, Fluorescence, and Absorption Spectroscopy. Environmental Science & Technology, 2012, 46, 12381-12390.	4.6	26
89	Competitive sorption of carbonate and arsenic to hematite: Combined ATR-FTIR and batch experiments. Journal of Colloid and Interface Science, 2012, 377, 313-321.	5.0	116
90	Influence of Arsenate Adsorption to Ferrihydrite, Goethite, and Boehmite on the Kinetics of Arsenate Reduction by Shewanella putrefaciens strain CN-32. Environmental Science & Technology, 2011, 45, 7701-7709.	4.6	67

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91	Time-Dependent Changes of Zinc Speciation in Four Soils Contaminated with Zincite or Sphalerite. Environmental Science & Technology, 2011, 45, 255-261.	4.6	60
92	Impacts of Shewanella putrefaciens Strain CN-32 Cells and Extracellular Polymeric Substances on the Sorption of As(V) and As(III) on Fe(III)-(Hydr)oxides. Environmental Science & Technology, 2011, 45, 2804-2810.	4.6	91
93	Arsenic Dynamics in Porewater of an Intermittently Irrigated Paddy Field in Bangladesh. Environmental Science & Technology, 2011, 45, 971-976.	4.6	70
94	Spectroscopic Evidence for Ternary Complex Formation between Arsenate and Ferric Iron Complexes of Humic Substances. Environmental Science & Technology, 2011, 45, 9550-9557.	4.6	234
95	Hydrological control of stream water chemistry in a glacial catchment (Damma Glacier, Switzerland). Chemical Geology, 2011, 285, 215-230.	1.4	92
96	Calcium isotopes in a proglacial weathering environment: Damma glacier, Switzerland. Geochimica Et Cosmochimica Acta, 2011, 75, 106-118.	1.6	88
97	Iron speciation and isotope fractionation during silicate weathering and soil formation in an alpine glacier forefield chronosequence. Geochimica Et Cosmochimica Acta, 2011, 75, 5559-5573.	1.6	62
98	Chemical and Biological Gradients along the Damma Glacier Soil Chronosequence, Switzerland. Vadose Zone Journal, 2011, 10, 867-883.	1.3	158
99	Biogeochemical processes and arsenic enrichment around rice roots in paddy soil: results from micro-focused X-ray spectroscopy. European Journal of Soil Science, 2011, 62, 305-317.	1.8	76
100	Characterization of zinc in contaminated soils: complementary insights from isotopic exchange, batch extractions and XAFS spectroscopy. European Journal of Soil Science, 2011, 62, 318-330.	1.8	45
101	Origin of high Zn contents in Jurassic limestone of the Jura mountain range and the Burgundy: evidence from Zn speciation and distribution. Swiss Journal of Geosciences, 2011, 104, 409-424.	0.5	5
102	Isolation and purification of Cu-free methanobactin from Methylosinus trichosporiumOB3b. Geochemical Transactions, 2011, 12, 2.	1.8	13
103	Chemische Eigenschaften und Prozesse. , 2010, , 121-170.		1
104	Arsenic release from paddy soils during monsoonÂflooding. Nature Geoscience, 2010, 3, 53-59.	5.4	123
105	The Cr X-ray absorption K-edge structure of poorly crystalline Fe(III)-Cr(III)-oxyhydroxides. American Mineralogist, 2010, 95, 1202-1213.	0.9	17
106	Arsenic Accumulation in a Paddy Field in Bangladesh: Seasonal Dynamics and Trends over a Three-Year Monitoring Period. Environmental Science & Technology, 2010, 44, 2925-2931.	4.6	69
107	Equilibrium Mercury Isotope Fractionation between Dissolved Hg(II) Species and Thiol-Bound Hg. Environmental Science & Technology, 2010, 44, 4191-4197.	4.6	230
108	Reduction and Reoxidation of Humic Acid: Influence on Spectroscopic Properties and Proton Binding. Environmental Science & Technology, 2010, 44, 5787-5792.	4.6	95

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109	Arsenic in Soil and Irrigation Water Affects Arsenic Uptake by Rice: Complementary Insights from Field and Pot Studies. Environmental Science & Technology, 2010, 44, 8842-8848.	4.6	80
110	Biogeochemical Redox Processes and their Impact on Contaminant Dynamics. Environmental Science & Technology, 2010, 44, 15-23.	4.6	1,037
111	Sequential Extraction Method for Speciation of Arsenate and Arsenite in Mineral Soils. Analytical Chemistry, 2010, 82, 5534-5540.	3.2	66
112	How electron flow controls contaminant dynamics. Environmental Science & Technology, 2010, 44, 3-6.	4.6	10
113	Iron Isotope Fractionation during Fe Uptake and Translocation in Alpine Plants. Environmental Science & Technology, 2010, 44, 6144-6150.	4.6	72
114	Iron isotope fractionation during proton- and ligand-promoted dissolution of primary phyllosilicates. Geochimica Et Cosmochimica Acta, 2010, 74, 3112-3128.	1.6	90
115	Effect of citrate on the local Fe coordination in ferrihydrite, arsenate binding, and ternary arsenate complex formation. Geochimica Et Cosmochimica Acta, 2010, 74, 5574-5592.	1.6	79
116	Temperature Dependence and Coupling of Iron and Arsenic Reduction and Release during Flooding of a Contaminated Soil. Environmental Science & Technology, 2010, 44, 116-122.	4.6	182
117	Chemische Eigenschaften und Prozesse. , 2010, , 121-170.		1
118	Adsorption of hydroxamate siderophores and EDTA on goethite in the presence of the surfactant sodium dodecyl sulfate. Geochemical Transactions, 2009, 10, 5.	1.8	6
119	Contaminant mobilization by metallic copper and metal sulphide colloids in flooded soil. Nature Geoscience, 2009, 2, 267-271.	5.4	167
120	Influence of citric acid on the hydration of Portland cement. Cement and Concrete Research, 2009, 39, 275-282.	4.6	104
121	Solid solution between Al-ettringite and Fe-ettringite (Ca6[Al1â˜'xFex(OH)6]2(SO4)3Â·26H2O). Cement and Concrete Research, 2009, 39, 482-489.	4.6	107
122	Mobility, turnover and storage of pollutants in soils, sediments and waters: achievements and results of the EU project AquaTerra. A review. Agronomy for Sustainable Development, 2009, 29, 161-173.	2.2	34
123	Wavelength-Dependence of Photoreductive Dissolution of Lepidocrocite (Î³-FeOOH) in the Absence and Presence of the Siderophore DFOB. Environmental Science & Technology, 2009, 43, 1871-1876.	4.6	20
124	Assessment of Long-Term Performance and Chromate Reduction Mechanisms in a Field Scale Permeable Reactive Barrier. Environmental Science & Technology, 2009, 43, 6786-6792.	4.6	87
125	Photoreductive Dissolution of Iron(III) (Hydr)oxides in the Absence and Presence of Organic Ligands: Experimental Studies and Kinetic Modeling. Environmental Science & Technology, 2009, 43, 1864-1870.	4.6	76
126	X-ray Absorption and Emission Spectroscopy of CrIII (Hydr)Oxides: Analysis of the K-Pre-Edge Region. Journal of Physical Chemistry A, 2009, 113, 12171-12178.	1.1	18

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127	Local coordination of Zn in hydroxy-interlayered minerals and implications for Zn retention in soils. Geochimica Et Cosmochimica Acta, 2009, 73, 348-363.	1.6	38
128	ATR-FTIR spectroscopic study of the adsorption of desferrioxamine B and aerobactin to the surface of lepidocrocite (Î³-FeOOH). Geochimica Et Cosmochimica Acta, 2009, 73, 4661-4672.	1.6	44
129	Photodissolution of lepidocrocite (Î³-FeOOH) in the presence of desferrioxamine B and aerobactin. Geochimica Et Cosmochimica Acta, 2009, 73, 4673-4687.	1.6	31
130	Soil properties controlling Zn speciation and fractionation in contaminated soils. Geochimica Et Cosmochimica Acta, 2009, 73, 5256-5272.	1.6	88
131	Changes in Zn speciation during soil formation from Zn-rich limestones. Geochimica Et Cosmochimica Acta, 2009, 73, 5554-5571.	1.6	39
132	Multi-metal contaminant dynamics in temporarily flooded soil under sulfate limitation. Geochimica Et Cosmochimica Acta, 2009, 73, 5513-5527.	1.6	149
133	Effects of anionic surfactants on ligand-promoted dissolution of iron and aluminum hydroxides. Journal of Colloid and Interface Science, 2008, 321, 279-287.	5.0	14
134	Solubility of Feâ€“ettringite (Ca6[Fe(OH)6]2(SO4)3Â·26H2O). Geochimica Et Cosmochimica Acta, 2008, 72, 1-18.	1.6	101
135	Synthetic coprecipitates of exopolysaccharides and ferrihydrite. Part II: Siderophore-promoted dissolution. Geochimica Et Cosmochimica Acta, 2008, 72, 1128-1142.	1.6	37
136	Synthetic coprecipitates of exopolysaccharides and ferrihydrite. Part I: Characterization. Geochimica Et Cosmochimica Acta, 2008, 72, 1111-1127.	1.6	165
137	Formation of Zn-rich phyllosilicate, Zn-layered double hydroxide and hydrozincite in contaminated calcareous soils. Geochimica Et Cosmochimica Acta, 2008, 72, 5037-5054.	1.6	94
138	New methods for the environmental chemistâ€™s toolbox. Environmental Science & Technology, 2008, 42, 7727-7727.	4.6	1
139	Proton and Trivalent Metal Cation Binding by Dissolved Organic Matter in the Opalinus Clay and the Callovo-Oxfordian Formation. Environmental Science & Technology, 2008, 42, 5985-5991.	4.6	17
140	Weathering, soil formation and initial ecosystem evolution on a glacier forefield: a case study from the Damma Glacier, Switzerland. Mineralogical Magazine, 2008, 72, 19-22.	0.6	50
141	Zinc Fractionation in Contaminated Soils by Sequential and Single Extractions: Influence of Soil Properties and Zinc Content. Journal of Environmental Quality, 2008, 37, 1190-1200.	1.0	46
142	Iron Isotope Fractionation during Pedogenesis in Redoximorphic Soils. Soil Science Society of America Journal, 2007, 71, 1840-1850.	1.2	79
143	Isolation and characterization of dissolved organic matter from the Callovoâ€“Oxfordian formation. Applied Geochemistry, 2007, 22, 1537-1548.	1.4	63
144	Characterization of dissolved organic matter in anoxic rock extracts and in situ pore water of the Opalinus Clay. Applied Geochemistry, 2007, 22, 2926-2939.	1.4	70

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145	Dissolution mechanisms of goethite in the presence of siderophores and organic acids. Geochimica Et Cosmochimica Acta, 2007, 71, 5635-5650.	1.6	184
146	Distribution and speciation of arsenic around roots in a contaminated riparian floodplain soil: Micro-XRF element mapping and EXAFS spectroscopy. Geochimica Et Cosmochimica Acta, 2007, 71, 5804-5820.	1.6	145
147	Iron isotope fractionation in oxic soils by mineral weathering and podzolization. Geochimica Et Cosmochimica Acta, 2007, 71, 5821-5833.	1.6	118
148	Photolysis of Citrate on the Surface of Lepidocrocite:â€‰ An in situ Attenuated Total Reflection Infrared Spectroscopy Study. Journal of Physical Chemistry C, 2007, 111, 10560-10569.	1.5	48
149	Low Concentrations of Surfactants Enhance Siderophore-Promoted Dissolution of Goethite. Environmental Science & Technology, 2007, 41, 3633-3638.	4.6	31
150	Soil Biogeochemical Processes within the Critical Zone. Elements, 2007, 3, 321-326.	0.5	224
151	Spatial Distribution and Temporal Variability of Arsenic in Irrigated Rice Fields in Bangladesh. 2. Paddy Soil. Environmental Science & Technology, 2007, 41, 5967-5972.	4.6	173
152	C-1s NEXAFS Spectroscopy Reveals Chemical Fractionation of Humic Acid by Cation-Induced Coagulation. Environmental Science & Technology, 2007, 41, 1915-1920.	4.6	97
153	Spatial Distribution and Temporal Variability of Arsenic in Irrigated Rice Fields in Bangladesh. 1. Irrigation Water. Environmental Science & Technology, 2007, 41, 5960-5966.	4.6	132
154	Vertical Distribution and Speciation of Trace Metals in Weathering Flotation Residues of a Zinc/Lead Sulfide Mine. Journal of Environmental Quality, 2007, 36, 61-69.	1.0	41
155	Plant Availability of Zinc and Copper in Soil after Contamination with Brass Foundry Filter Dust. Journal of Environmental Quality, 2007, 36, 44-52.	1.0	5
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