

Laurent Charlet

List of Publications by Year in descending order

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220
papers

16,310
citations

13068

68
h-index

17055

122
g-index

232
all docs

232
docs citations

232
times ranked

13371
citing authors

#	ARTICLE	IF	CITATIONS
1	Sorption isotherms: A review on physical bases, modeling and measurement. <i>Applied Geochemistry</i> , 2007, 22, 249-275.	1.4	1,320
2	Removal of Arsenic(III) from Groundwater by Nanoscale Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2005, 39, 1291-1298.	4.6	1,051
3	Surface catalysis of uranium(VI) reduction by iron(II). <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 2939-2955.	1.6	574
4	Surface Complexation of Ferrous Iron and Carbonate on Ferrihydrite and the Mobilization of Arsenic. <i>Environmental Science & Technology</i> , 2002, 36, 3096-3103.	4.6	561
5	A surface complexation model of the carbonate mineral-aqueous solution interface. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 3505-3518.	1.6	482
6	Selenium environmental cycling and bioavailability: a structural chemist point of view. <i>Reviews in Environmental Science and Biotechnology</i> , 2009, 8, 81-110.	3.9	370
7	Environmental Selenium Research: From Microscopic Processes to Global Understanding. <i>Environmental Science & Technology</i> , 2012, 46, 571-579.	4.6	348
8	X-ray absorption spectroscopic study of the sorption of Cr(III) at the oxide-water interface. <i>Journal of Colloid and Interface Science</i> , 1992, 148, 443-458.	5.0	309
9	Arsenic(III) Oxidation by Birnessite and Precipitation of Manganese(II) Arsenate. <i>Environmental Science & Technology</i> , 2002, 36, 493-500.	4.6	294
10	Mineral sequestration of CO ₂ by aqueous carbonation of coal combustion fly-ash. <i>Journal of Hazardous Materials</i> , 2009, 161, 1347-1354.	6.5	286
11	Sorption and speciation of heavy metals on hydrous Fe and Mn oxides. From microscopic to macroscopic. <i>Applied Clay Science</i> , 1992, 7, 201-223.	2.6	253
12	The Mechanism of Selenate Adsorption on Goethite and Hydrous Ferric Oxide. <i>Journal of Colloid and Interface Science</i> , 1994, 168, 87-93.	5.0	246
13	Arsenic in Shallow, Reducing Groundwaters in Southern Asia: An Environmental Health Disaster. <i>Elements</i> , 2006, 2, 91-96.	0.5	235
14	X-ray absorption spectroscopic study of the sorption of Cr(III) at the oxide-water interface. <i>Journal of Colloid and Interface Science</i> , 1992, 148, 425-442.	5.0	221
15	Structure and Stability of Cd ²⁺ Surface Complexes on Ferric Oxides. <i>Journal of Colloid and Interface Science</i> , 1994, 168, 73-86.	5.0	215
16	Arsenic mobility in the ambient sulfidic environment: Sorption of arsenic(V) and arsenic(III) onto disordered mackinawite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3483-3492.	1.6	211
17	Selenite Reduction by Mackinawite, Magnetite and Siderite: XAS Characterization of Nanosized Redox Products. <i>Environmental Science & Technology</i> , 2008, 42, 1984-1989.	4.6	211
18	Electron transfer at the mineral/water interface: Selenium reduction by ferrous iron sorbed on clay. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5731-5749.	1.6	181

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19	The surface chemistry of divalent metal carbonate minerals; a critical assessment of surface charge and potential data using the charge distribution multi-site ion complexation model. <i>Numerische Mathematik</i> , 2008, 308, 905-941.	0.7	170
20	Interactions of Oxytetracycline with a Smectite Clay: A Spectroscopic Study with Molecular Simulations. <i>Environmental Science & Technology</i> , 2010, 44, 7839-7845.	4.6	159
21	X-ray absorption and photoelectron spectroscopy investigation of selenite reduction by FeII-bearing minerals. <i>Journal of Contaminant Hydrology</i> , 2008, 102, 228-245.	1.6	155
22	Nanomorphology of montmorillonite particles: Estimation of the clay edge sorption site density by low-pressure gas adsorption and AFM observations. <i>American Mineralogist</i> , 2003, 88, 1989-1995.	0.9	150
23	Surface chemistry of disordered mackinawite (FeS). <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3469-3481.	1.6	149
24	Chemodynamics of an arsenic "hotspot" in a West Bengal aquifer: A field and reactive transport modeling study. <i>Applied Geochemistry</i> , 2007, 22, 1273-1292.	1.4	144
25	A review of arsenic presence in China drinking water. <i>Journal of Hydrology</i> , 2013, 492, 79-88.	2.3	144
26	The titration of clay minerals. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 234-246.	5.0	143
27	Arsenite sorption and co-precipitation with calcite. <i>Chemical Geology</i> , 2006, 233, 328-336.	1.4	140
28	In situ atomic force microscopy study of hectorite and nontronite dissolution: Implications for phyllosilicate edge surface structures and dissolution mechanisms. <i>American Mineralogist</i> , 2001, 86, 411-423.	0.9	136
29	Quantification of trace arsenic in soils by field-portable X-ray fluorescence spectrometry: Considerations for sample preparation and measurement conditions. <i>Journal of Hazardous Materials</i> , 2013, 262, 1213-1222.	6.5	136
30	Redox potential measurements and Mössbauer spectrometry of FeII adsorbed onto FeIII (oxyhydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4801-4815.	1.6	135
31	Sorption of Metal Ions on Clay Minerals. <i>Journal of Colloid and Interface Science</i> , 1999, 215, 140-158.	5.0	126
32	U(VI) Sorption and Reduction by Fe(II) Sorbed on Montmorillonite. <i>Environmental Science & Technology</i> , 2010, 44, 3779-3785.	4.6	125
33	N-compound reduction and actinide immobilisation in surficial fluids by Fe(II): the surface $\text{Fe}^{\text{II}}\text{OH}^{\ominus}$ species, as major reductant. <i>Chemical Geology</i> , 1998, 151, 85-93.	1.4	123
34	The Acid/Base Chemistry of Montmorillonite. <i>Radiochimica Acta</i> , 1994, 66-67, 157-162.	0.5	118
35	Sorption of metal ions on clay minerals. III. Nucleation and epitaxial growth of Zn phyllosilicate on the edges of hectorite. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 4155-4170.	1.6	111
36	Calcite precipitation from $\text{CO}_2\text{-H}_2\text{O-Ca(OH)}_2$ slurry under high pressure of CO_2 . <i>Journal of Crystal Growth</i> , 2007, 308, 228-236.	0.7	111

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37	Sodium-Calcium and Sodium-Magnesium Exchange on Wyoming Bentonite in Perchlorate and Chloride Background Ionic Media. <i>Soil Science Society of America Journal</i> , 1983, 47, 51-56.	1.2	110
38	Oxidation State and Local Structure of Plutonium Reacted with Magnetite, Mackinawite, and Chukanovite. <i>Environmental Science & Technology</i> , 2011, 45, 7267-7274.	4.6	103
39	The titration of clay minerals. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 224-233.	5.0	102
40	Selenium distribution and speciation in plant parts of wheat (<i>Triticum aestivum</i>) and Indian mustard (<i>Brassica juncea</i>) from a seleniferous area of Punjab, India. <i>Science of the Total Environment</i> , 2015, 505, 952-961.	3.9	102
41	Evidence for the neoformation of clays upon sorption of Co(II) and Ni(II) on silicates. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2577-2582.	1.6	101
42	Reactive transport of uranyl in a goethite column: an experimental and modelling study. <i>Chemical Geology</i> , 1998, 151, 107-128.	1.4	100
43	Adsorption of arsenite and arsenate onto muscovite and biotite mica. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 392-401.	5.0	99
44	Novel chitosan goethite bionanocomposite beads for arsenic remediation. <i>Water Research</i> , 2016, 101, 1-9.	5.3	99
45	Effect of pH on Aqueous Se(IV) Reduction by Pyrite. <i>Environmental Science & Technology</i> , 2011, 45, 2704-2710.	4.6	98
46	Natural attenuation of TCE, As, Hg linked to the heterogeneous oxidation of Fe(II): an AFM study. <i>Chemical Geology</i> , 2002, 190, 303-319.	1.4	95
47	Mobility of arsenic in West Bengal aquifers conducting low and high groundwater arsenic. Part I: Comparative hydrochemical and hydrogeological characteristics. <i>Applied Geochemistry</i> , 2008, 23, 977-995.	1.4	94
48	Carbonation of alkaline paper mill waste to reduce CO ₂ greenhouse gas emissions into the atmosphere. <i>Applied Geochemistry</i> , 2008, 23, 2292-2300.	1.4	94
49	Rising arsenic risk?. <i>Nature Geoscience</i> , 2009, 2, 383-384.	5.4	93
50	Fe(II)-Na(I)-Ca(II) Cation Exchange on Montmorillonite in Chloride Medium: Evidence for Preferential Clay Adsorption of Chloride "Metal Ion Pairs in Seawater. <i>Aquatic Geochemistry</i> , 2005, 11, 115-137.	1.5	91
51	Adsorption of protons, Fe(II) and Al(III) on lepidocrocite (⁵⁷ FeOOH). <i>Colloids and Surfaces</i> , 1992, 63, 259-268.	0.9	89
52	A multi-analytical study of bone diagenesis: the Neolithic site of Bercy (Paris, France). <i>Measurement Science and Technology</i> , 2003, 14, 1608-1619.	1.4	89
53	Cation adsorption on oxides and clays: The aluminum case. <i>Aquatic Sciences</i> , 1993, 55, 291-303.	0.6	88
54	The dissolution of hectorite: In-situ, real-time observations using atomic force microscopy. <i>American Mineralogist</i> , 2000, 85, 1209-1216.	0.9	87

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55	Surface charge of MnCO ₃ and FeCO ₃ . <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2329-2336.	1.6	86
56	Uranyl Surface Speciation on Silica Particles Studied by Time-Resolved Laser-Induced Fluorescence Spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 358-368.	5.0	86
57	Sorption of Metal Ions on Clay Minerals. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 392-405.	5.0	84
58	Ligand effect on the adsorption of heavy metals: The sulfate ? Cadmium ? Goethite case. <i>Water, Air, and Soil Pollution</i> , 1993, 68, 241-255.	1.1	83
59	From adsorption to precipitation: Sorption of Mn ²⁺ on FeCO ₃ (s). <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2787-2796.	1.6	82
60	Evidence for the Formation of Trioctahedral Clay upon Sorption of Co ²⁺ on Quartz. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 181-197.	5.0	80
61	Aqueous cadmium uptake by calcite: a stirred flow-through reactor study. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2763-2774.	1.6	79
62	Neurodegenerative diseases and exposure to the environmental metals Mn, Pb, and Hg. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2147-2163.	9.5	78
63	Reactivities of Fe(II) on Calcite: Selenium Reduction. <i>Environmental Science & Technology</i> , 2010, 44, 1288-1294.	4.6	77
64	Adsorption mechanisms of Zn on hectorite as a function of time, pH, and ionic strength. <i>Numerische Mathematik</i> , 2001, 301, 798-830.	0.7	75
65	Mobility of arsenic in the sub-surface environment: An integrated hydrogeochemical study and sorption model of the sandy aquifer materials. <i>Journal of Hydrology</i> , 2009, 364, 236-248.	2.3	73
66	The impact of oscillating redox conditions: Arsenic immobilisation in contaminated calcareous floodplain soils. <i>Environmental Pollution</i> , 2013, 178, 254-263.	3.7	73
67	Characterization of aquifers conducting groundwaters with low and high arsenic concentrations: a comparative case study from West Bengal, India. <i>Mineralogical Magazine</i> , 2005, 69, 841-854.	0.6	72
68	Reversible surface-sorption-induced electron-transfer oxidation of Fe(II) at reactive sites on a synthetic clay mineral. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 863-876.	1.6	71
69	Bengal arsenic, an archive of Himalaya orogeny and paleohydrology. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1785-1794.	0.9	70
70	Natural wetland emissions of methylated trace elements. <i>Nature Communications</i> , 2014, 5, 3035.	5.8	69
71	Decontamination of TCE- and U-Rich Waters by Granular Iron: Role of Sorbed Fe(II). <i>Journal of Environmental Engineering, ASCE</i> , 1998, 124, 25-30.	0.7	68
72	Cation Selectivity in Sodium-Calcium, Sodium-Magnesium, and Calcium-Magnesium Exchange on Wyoming Bentonite at 298 K. <i>Soil Science Society of America Journal</i> , 1983, 47, 917-921.	1.2	67

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73	Reduction of antimony by nano-particulate magnetite and mackinawite. <i>Mineralogical Magazine</i> , 2008, 72, 185-189.	0.6	67
74	On-Off Mobilization of Contaminants in Soils during Redox Oscillations. <i>Environmental Science & Technology</i> , 2015, 49, 3015-3023.	4.6	66
75	Trace element composition of archaeological bones and post-mortem alteration in the burial environment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 150, 656-662.	0.6	65
76	Enhanced interlayer trapping of a tetracycline antibiotic within montmorillonite layers in the presence of Ca and Mg. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 153-159.	5.0	64
77	Decoupling of arsenic and iron release from ferrihydrite suspension under reducing conditions: a biogeochemical model. <i>Geochemical Transactions</i> , 2007, 8, 12.	1.8	63
78	A review of the retention mechanisms of redox-sensitive radionuclides in multi-barrier systems. <i>Applied Geochemistry</i> , 2019, 100, 414-431.	1.4	63
79	Comparison of arsenic concentrations in simultaneously-collected groundwater and aquifer particles from Bangladesh, India, Vietnam, and Nepal. <i>Applied Geochemistry</i> , 2008, 23, 3244-3251.	1.4	62
80	Nanocomposite Pyrite-Greigite Reactivity toward Se(IV)/Se(VI). <i>Environmental Science & Technology</i> , 2012, 46, 4869-4876.	4.6	62
81	Uranium facilitated transport by water-dispersible colloids in field and soil columns. <i>Science of the Total Environment</i> , 2010, 408, 2118-2128.	3.9	61
82	Plate tectonics influence on geogenic arsenic cycling: From primary sources to global groundwater enrichment. <i>Science of the Total Environment</i> , 2019, 683, 793-807.	3.9	60
83	Lichen and soil as indicators of an atmospheric mercury contamination in the vicinity of a chlor-alkali plant (Grenoble, France). <i>Ecological Indicators</i> , 2012, 13, 178-183.	2.6	59
84	Reactivity at (nano)particle-water interfaces, redox processes, and arsenic transport in the environment. <i>Comptes Rendus - Geoscience</i> , 2011, 343, 123-139.	0.4	58
85	Speciation of arsenic in Greek travertines: Co-precipitation of arsenate with calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 99-110.	1.6	58
86	Selenite Uptake by Ca-Al LDH: A Description of Intercalated Anion Coordination Geometries. <i>Environmental Science & Technology</i> , 2018, 52, 1624-1632.	4.6	58
87	Mechanism of chromium(III) oxidation by Na-buserite. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16662-16669.	2.9	56
88	Comparison of dissolved and particulate arsenic distributions in shallow aquifers of Chakdaha, India, and Araihasar, Bangladesh. <i>Geochemical Transactions</i> , 2008, 9, 1.	1.8	56
89	Diffusive transport and reaction in clay rocks: A storage (nuclear waste, CO ₂ , H ₂), energy (shale gas) and water quality issue. <i>Advances in Water Resources</i> , 2017, 106, 39-59.	1.7	56
90	A spectroscopic and voltammetric study of the pH-dependent Cu(II) coordination to the peptide GGGTH: relevance to the fifth Cu(II) site in the prion protein. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 735-744.	1.1	55

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91	Methods for Performing Atomic Force Microscopy Imaging of Clay Minerals in Aqueous Solutions. <i>Clays and Clay Minerals</i> , 1999, 47, 573-581.	0.6	54
92	Adsorption of Thorium on Amorphous Silica: An EXAFS Study. <i>Journal of Colloid and Interface Science</i> , 1997, 194, 10-21.	5.0	52
93	Structural study of selenium(IV) substitutions in calcite. <i>Chemical Geology</i> , 2010, 270, 249-256.	1.4	52
94	Atmospheric mercury incorporation in soils of an area impacted by a chlor-alkali plant (Grenoble, France). <i>Environmental Science & Technology</i> , 2007, 41, 1050-1056.	3.9	52
95	Arsenic Speciation in Mekong Delta Sediments Depends on Their Depositional Environment. <i>Environmental Science & Technology</i> , 2018, 52, 3431-3439.	4.6	50
96	Inhibition of U(VI) Reduction by Synthetic and Natural Pyrite. <i>Environmental Science & Technology</i> , 2014, 48, 10716-10724.	4.6	48
97	Hydrogen uptake and diffusion in Callovo-Oxfordian clay rock for nuclear waste disposal technology. <i>Applied Geochemistry</i> , 2014, 49, 168-177.	1.4	48
98	Monovalent Ion Adsorption by an Oxisol. <i>Soil Science Society of America Journal</i> , 1987, 51, 1155-1160.	1.2	47
99	Hydrous ferric oxide: evaluation of Cd ²⁺ -HFO surface complexation models combining Cd K EXAFS data, potentiometric titration results, and surface site structures identified from mineralogical knowledge. <i>Journal of Colloid and Interface Science</i> , 2003, 266, 1-18.	5.0	47
100	Arsenate Incorporation in Gypsum Probed by Neutron, X-ray Scattering and Density Functional Theory Modeling. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5159-5166.	1.1	47
101	Adsorption of Hydrogen Gas and Redox Processes in Clays. <i>Environmental Science & Technology</i> , 2012, 46, 3574-3579.	4.6	47
102	Arsenic uptake by gypsum and calcite: Modelling and probing by neutron and X-ray scattering. <i>Physical Review B: Condensed Matter</i> , 2006, 74, 385-386, 935-937.	1.3	45
103	Textural properties of synthetic nano-calcite produced by hydrothermal carbonation of calcium hydroxide. <i>Journal of Crystal Growth</i> , 2008, 310, 2946-2953.	0.7	43
104	Experimental evidence for Ca-chloride ion pairs in the interlayer of montmorillonite. An XRD profile modeling approach. <i>Clays and Clay Minerals</i> , 2005, 53, 348-360.	0.6	40
105	Hydrogen adsorption and diffusion in synthetic Na-montmorillonites at high pressures and temperature. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2698-2709.	3.8	38
106	Evidence of Multiple Sorption Modes in Layered Double Hydroxides Using Mo As Structural Probe. <i>Environmental Science & Technology</i> , 2017, 51, 5531-5540.	4.6	38
107	Sulfate adsorption on a variable charge soil and on reference minerals. <i>Agriculture, Ecosystems and Environment</i> , 1993, 47, 87-102.	2.5	36
108	Sorption and catalytic oxidation of Fe(II) at the surface of calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1826-1840.	1.6	36

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109	Preparation and characterization of a single-walled aluminosilicate nanotube-iron oxide composite: Its applications to removal of aqueous arsenate. <i>Materials Research Bulletin</i> , 2014, 51, 145-152.	2.7	36
110	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1997, 100, 289-296.	1.1	35
111	Spectroscopic studies of arsenic retention onto biotite. <i>Chemical Geology</i> , 2011, 281, 83-92.	1.4	35
112	Interaction of aqueous Se(IV)/Se(VI) with FeSe/FeSe ₂ : Implication to Se redox process. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 20-28.	6.5	34
113	From mastodon ivory to gemstone: The origin of turquoise color in odontolite. <i>American Mineralogist</i> , 2001, 86, 1519-1524.	0.9	33
114	Baseline investigation of (methyl)mercury in waters, soils, sediments and key foodstuffs in the Lower Mekong Basin: The rapidly developing city of Vientiane (Lao PDR). <i>Journal of Geochemical Exploration</i> , 2014, 143, 96-102.	1.5	32
115	Early Palaeolithic bone diagenesis in the Arago cave at Tautavel, France. <i>Mineralogical Magazine</i> , 1999, 63, 801-812.	0.6	31
116	Fe(II) and Fe(III)-Bearing Phases As a Mineralogical Control on the Heterogeneity of Arsenic in Southeast Asian Groundwater. <i>Environmental Science & Technology</i> , 2010, 44, 7541-7547.	4.6	31
117	A hundred year record of industrial and urban development in French Alps combining Hg accumulation rates and isotope composition in sediment archives from Lake Luitel. <i>Chemical Geology</i> , 2016, 431, 10-19.	1.4	30
118	Interstratification Patterns from the pH-Dependent Intercalation of a Tetracycline Antibiotic within Montmorillonite Layers. <i>Langmuir</i> , 2013, 29, 4492-4501.	1.6	28
119	Crumpling of silver nanowires by endolysosomes strongly reduces toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14893-14898.	3.3	26
120	Amazonian former gold mined soils as a source of methylmercury: Evidence from a small scale watershed in French Guiana. <i>Water Research</i> , 2011, 45, 2659-2669.	5.3	25
121	Bivalent Ion Adsorption by an Oxisol. <i>Soil Science Society of America Journal</i> , 1989, 53, 691-695.	1.2	24
122	Hydration of Hg ₂ ⁺ in Aqueous Solution Studied by Neutron Diffraction with Isotopic Substitution. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5123-5125.	1.1	24
123	Electrical resistivity investigation of the arsenic affected alluvial aquifers in West Bengal, India: usefulness in identifying the areas of low and high groundwater arsenic. <i>Environmental Earth Sciences</i> , 2010, 60, 873-884.	1.3	24
124	Origin of arsenic in Late Pleistocene to Holocene sediments in the Nawalparasi district (Terai, Nepal). <i>Environmental Earth Sciences</i> , 2015, 74, 2571-2593.	1.3	24
125	A dynamic study of the sorption and the transport processes of cadmium in calcareous sandy soils. <i>Waste Management</i> , 2002, 22, 201-207.	3.7	23
126	Formation of dissolved gaseous mercury in a tropical lake (Petit-Saut reservoir, French Guiana). <i>Science of the Total Environment</i> , 2006, 364, 260-271.	3.9	23

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127	Modelling CEC variations versus structural iron reduction levels in dioctahedral smectites. Existing approaches, new data and model refinements. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 397-409.	5.0	23
128	The reductive immobilization of aqueous Se(IV) by natural pyrrhotite. <i>Journal of Hazardous Materials</i> , 2014, 276, 422-432.	6.5	23
129	Influence of Surface Compositions on the Reactivity of Pyrite toward Aqueous U(VI). <i>Environmental Science & Technology</i> , 2020, 54, 8104-8114.	4.6	23
130	Production of gaseous mercury in tropical hydromorphic soils in the presence of ferrous iron: a laboratory study. <i>European Journal of Soil Science</i> , 2006, 57, 190-199.	1.8	22
131	Reconstructing recent environmental changes from proglacial lake sediments in the Western Alps (Lake Blanc Huez, 2543 m a.s.l., Grandes Rousses Massif, France). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 252, 586-600.	1.0	22
132	H ₂ dynamics in the soil of a H ₂ -emitting zone (SÃ£o Francisco Basin, Brazil): Microbial uptake quantification and reactive transport modelling. <i>Applied Geochemistry</i> , 2020, 112, 104474.	1.4	22
133	Selenium nanoparticles trigger alterations in ovarian cancer cell biomechanics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102258.	1.7	22
134	Superior approach to the inferior laryngeal nerve in thyroid surgery: anatomy, surgical technique and indications. <i>Surgical and Radiologic Anatomy</i> , 2006, 28, 631-636.	0.6	21
135	SERENADE: safer and ecodesign research and education applied to nanomaterial development, the new generation of materials safer by design. <i>Environmental Science: Nano</i> , 2017, 4, 526-538.	2.2	21
136	Estimation of nitrate retention in a Ferralsol by a transient-flow method. <i>European Journal of Soil Science</i> , 2003, 54, 505-516.	1.8	20
137	Waterâ€™clay surface interaction: A neutron scattering study. <i>Chemical Physics</i> , 2010, 374, 55-61.	0.9	20
138	Nanostructured calcite precipitated under hydrothermal conditions in the presence of organic and inorganic selenium. <i>Chemical Geology</i> , 2011, 290, 109-120.	1.4	20
139	Sub-ppm level high energy resolution fluorescence detected X-ray absorption spectroscopy of selenium in articular cartilage. <i>Analyst</i> , The, 2019, 144, 3488-3493.	1.7	20
140	EXAFS Study of Zn and ZnEDTA Sorption at the Goethite (Î±-FeOOH)/Water Interface. <i>European Physical Journal Special Topics</i> , 1997, 7, C2-823-C2-824.	0.2	20
141	Methylmercury formation in the anoxic waters of the Petit-Saut reservoir (French Guiana) and its spreading in the adjacent Sinnamary river. <i>European Physical Journal Special Topics</i> , 2003, 107, 327-331.	0.2	19
142	Hydration of Na ⁺ , Ni ²⁺ , and Sm ³⁺ in the Interlayer of Hectorite: A Quasielastic Neutron Scattering Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13801-13812.	1.5	19
143	As release under the microbial sulfate reduction during redox oscillations in the upper Mekong delta aquifers, Vietnam: A mechanistic study. <i>Science of the Total Environment</i> , 2019, 663, 718-730.	3.9	19
144	Methylmercury in tailings ponds of Amazonian gold mines (French Guiana): Field observations and an experimental flocculation method for in situ remediation. <i>Applied Geochemistry</i> , 2011, 26, 222-229.	1.4	18

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