

RÃ©mi Marsac

List of Publications by Year in descending order

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58
papers

1,441
citations

279798

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docs citations

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times ranked

1650
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical modeling of Fe(II) binding to humic and fulvic acids. <i>Chemical Geology</i> , 2014, 372, 109-118.	3.3	106
2	Rare earth element patterns: A tool for identifying trace metal sources during wetland soil reduction. <i>Chemical Geology</i> , 2011, 284, 127-137.	3.3	102
3	An improved description of the interactions between rare earth elements and humic acids by modeling: PHREEQC-Model VI coupling. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5625-5637.	3.9	79
4	Metal loading effect on rare earth element binding to humic acid: Experimental and modelling evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1749-1761.	3.9	74
5	Sorption of Cm(III) and Eu(III) onto clay minerals under saline conditions: Batch adsorption, laser-fluorescence spectroscopy and modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 151, 192-202.	3.9	66
6	Effects of Fe competition on REE binding to humic acid: Origin of REE pattern variability in organic waters. <i>Chemical Geology</i> , 2013, 342, 119-127.	3.3	64
7	Biogeochemical Factors Affecting Rare Earth Element Distribution in Shallow Wetland Groundwater. <i>Aquatic Geochemistry</i> , 2015, 21, 197-215.	1.3	54
8	Aluminium competitive effect on rare earth elements binding to humic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 1-9.	3.9	43
9	Flexible Strategy for Immobilizing Redox-Active Compounds Using in Situ Generation of Diazonium Salts. Investigations of the Blocking and Catalytic Properties of the Layers. <i>Langmuir</i> , 2009, 25, 12742-12749.	3.5	40
10	Oxolinic Acid Binding at Goethite and AkaganÃ©ite Surfaces: Experimental Study and Modeling. <i>Environmental Science & Technology</i> , 2016, 50, 660-668.	10.0	39
11	Cadmium Isotope Fractionation during Complexation with Humic Acid. <i>Environmental Science & Technology</i> , 2021, 55, 7430-7444.	10.0	37
12	Neptunium redox speciation at the illite surface. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 152, 39-51.	3.9	35
13	Thiol groups controls on arsenite binding by organic matter: New experimental and modeling evidence. <i>Journal of Colloid and Interface Science</i> , 2015, 460, 310-320.	9.4	34
14	Aqueous chemistry of Ce(IV): estimations using actinide analogues. <i>Dalton Transactions</i> , 2017, 46, 13553-13561.	3.3	34
15	Adsorption of dissolved aluminum on sapphire-c and kaolinite: implications for points of zero charge of clay minerals. <i>Geochemical Transactions</i> , 2014, 15, 9.	0.7	29
16	Sensitive Redox Speciation of Iron, Neptunium, and Plutonium by Capillary Electrophoresis Hyphenated to Inductively Coupled Plasma Sector Field Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 9786-9794.	6.5	29
17	Sorption and Redox Speciation of Plutonium at the Illite Surface. <i>Environmental Science & Technology</i> , 2016, 50, 2092-2098.	10.0	29
18	First structural characterization of Pa(IV) in aqueous solution and quantum chemical investigations of the tetravalent actinides up to Bk(IV): the evidence of a curium break. <i>Dalton Transactions</i> , 2016, 45, 453-457.	3.3	28

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19	Treatment of multi-dentate surface complexes and diffuse layer implementation in various speciation codes. <i>Applied Geochemistry</i> , 2015, 55, 128-137.	3.0	27
20	Montmorillonite colloids: I. Characterization and stability of dispersions with different size fractions. <i>Applied Clay Science</i> , 2015, 114, 179-189.	5.2	26
21	Influence of Magnetite Stoichiometry on the Binding of Emerging Organic Contaminants. <i>Environmental Science & Technology</i> , 2018, 52, 467-473.	10.0	26
22	Adsorption of Quinolone Antibiotics to Goethite under Seawater Conditions: Application of a Surface Complexation Model. <i>Environmental Science & Technology</i> , 2019, 53, 1130-1138.	10.0	26
23	Co-Binding of Pharmaceutical Compounds at Mineral Surfaces: Molecular Investigations of Dimer Formation at Goethite/Water Interfaces. <i>Environmental Science & Technology</i> , 2017, 51, 8343-8349.	10.0	25
24	Cobinding of Pharmaceutical Compounds at Mineral Surfaces: Mechanistic Modeling of Binding and Cobinding of Nalidixic Acid and Niflumic Acid at Goethite Surfaces. <i>Environmental Science & Technology</i> , 2017, 51, 11617-11624.	10.0	24
25	Modeling plutonium sorption to kaolinite: Accounting for redox equilibria and the stability of surface species. <i>Chemical Geology</i> , 2015, 400, 1-10.	3.3	23
26	Impact of long-term storage of various redox-sensitive supported nanocomposites on their application in removal of dyes from wastewater: Mechanisms delineation through spectroscopic investigations. <i>Journal of Hazardous Materials</i> , 2021, 401, 123375.	12.4	20
27	Modeling rare earth elements binding to humic acids with model VII. <i>Chemical Geology</i> , 2021, 567, 120099.	3.3	20
28	Montmorillonite colloids: II. Colloidal size dependency on radionuclide adsorption. <i>Applied Clay Science</i> , 2016, 123, 292-303.	5.2	19
29	Modeling metal ion-humic substances complexation in highly saline conditions. <i>Applied Geochemistry</i> , 2017, 79, 52-64.	3.0	19
30	Stabilization of polynuclear plutonium(IV) species by humic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 290-300.	3.9	18
31	Iron speciation in iron-organic matter nanoaggregates: a kinetic approach coupling Quick-EXAFS and MCR-ALS chemometrics. <i>Environmental Science: Nano</i> , 2019, 6, 2641-2651.	4.3	18
32	Bacteria-mediated reduction of As(V)-doped lepidocrocite in a flooded soil sample. <i>Chemical Geology</i> , 2015, 406, 34-44.	3.3	17
33	Measuring dissolved organic matter in estuarine and marine waters: size-exclusion chromatography with various detection methods. <i>Environmental Chemistry</i> , 2018, 15, 436.	1.5	17
34	Structure and spectroscopy of hydrated neptunyl(vi) nitrate complexes. <i>Dalton Transactions</i> , 2013, 42, 15275.	3.3	16
35	Sorption and redox speciation of plutonium at the illite surface under highly saline conditions. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 59-64.	9.4	15
36	Reduction Kinetics of Nitroaromatic Compounds by Titanium-Substituted Magnetite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11399-11406.	3.1	13

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37	Effect of organic compounds on the retention of radionuclides in clay rocks: Mechanisms and specificities of Eu(III), Th(IV), and U(VI). <i>Applied Geochemistry</i> , 2021, 127, 104859.	3.0	13
38	Implications of speciation on rare earth element toxicity: A focus on organic matter influence in <i>Daphnia magna</i> standard test. <i>Environmental Pollution</i> , 2022, 307, 119554.	7.5	13
39	Effects of organic matter-goethite interactions on reactive transport of nalidixic acid: Column study and modeling. <i>Environmental Research</i> , 2020, 191, 110187.	7.5	11
40	Silicate surface coverage controls quinolone transport in saturated porous media. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 347-356.	9.4	11
41	Influence of pH on the release of colloidal and dissolved organic matter from vertical flow constructed wetland surface sludge deposits. <i>Chemical Engineering Journal</i> , 2021, 418, 129353.	12.7	9
42	Effect of loading on the nature of the REE-humate complexes as determined by Yb ³⁺ and Sm ³⁺ LIII-edge EXAFS analysis. <i>Chemical Geology</i> , 2015, 396, 218-227.	3.3	8
43	Np(V) complexation with propionate in 0.5-4 M NaCl solutions at 20-85 °C. <i>Dalton Transactions</i> , 2015, 44, 3837-3844.	3.3	8
44	Neptunium sorption and redox speciation at the illite surface under highly saline conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 421-431.	3.9	8
45	Probing the effects of redox conditions and dissolved Fe ²⁺ on nanomagnetite stoichiometry by wet chemistry, XRD, XAS and XMCD. <i>Environmental Science: Nano</i> , 2021, 8, 2098-2107.	4.3	8
46	Interactions of Anti-Inflammatory and Antibiotic Drugs at Mineral Surfaces Can Control Environmental Fate and Transport. <i>Environmental Science & Technology</i> , 2022, 56, 2378-2385.	10.0	8
47	Tc interaction with crystalline rock from Åspö (Sweden): Effect of in-situ rock redox capacity. <i>Applied Geochemistry</i> , 2017, 80, 90-101.	3.0	7
48	Prediction of nanomagnetite stoichiometry (Fe(II)/Fe(III)) under contrasting pH and redox conditions. <i>Environmental Science: Nano</i> , 0, , .	4.3	7
49	Adsorption capacity of the corrosion products of nanoscale zerovalent iron for emerging contaminants. <i>Environmental Science: Nano</i> , 2020, 7, 3773-3782.	4.3	6
50	More than redox, biological organic ligands control iron isotope fractionation in the riparian wetland. <i>Scientific Reports</i> , 2021, 11, 1933.	3.3	5
51	Competitive Carboxylate-Silicate Binding at Iron Oxyhydroxide Surfaces. <i>Langmuir</i> , 2021, 37, 13107-13115.	3.5	5
52	Response of sediment phosphorus partitioning to lanthanum-modified clay amendment and porewater chemistry in a small eutrophic lake. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1494-1507.	3.5	5
53	XANES characterization of UO ₂ /Mo(Pd) thin films as models for μ-particles in spent nuclear fuel. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012113.	0.4	4
54	The Effect of Monovalent Electrolytes on the Deprotonation of MA12 Keggin Ions. <i>Aquatic Geochemistry</i> , 2015, 21, 81-97.	1.3	4

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55	Absolute and Relative Positioning of Natural Organic Matter Acid-Base Potentiometric Titration Curves: Implications for the Evaluation of the Density of Charged Reactive Sites. Environmental Science & Technology, 2022, 56, 10494-10503.	10.0	4
56	Metals binding processes on Nanoplastics : Rare earth elements as a probe. Environmental Science: Nano, 0, , .	4.3	2
57	An easy spectrophotometric acid-base titration protocol for dissolved organic matter. MethodsX, 2022, 9, 101721.	1.6	2
58	Determination of complex formation constants of neptunium(V) with propionate and lactate in 0.5-2.6 m NaCl solutions at 22-60�C using a solvent extraction technique. Radiochimica Acta, 2019, 107, 623-634.	1.2	1