Claire Lomenech

List of Publications by Year
in descending order

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21 papers	1,213 citations	567281 15 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1356 citing authors

#	Article	IF	Citations
1	Photoinduced Ferrimagnetic Systems in Prussian Blue Analogues CIxCo4[Fe(CN)6]y(CI= Alkali Cation). 1. Conditions to Observe the Phenomenon. Journal of the American Chemical Society, 2000, 122, 6648-6652.	13.7	464
2	Photoinduced Ferrimagnetic Systems in Prussian Blue Analogues CIxCo4[Fe(CN)6]y(CI= Alkali Cation). 2. X-ray Absorption Spectroscopy of the Metastable State. Journal of the American Chemical Society, 2000, 122, 6653-6658.	13.7	205
3	Sorption of silicates on goethite, hematite, and magnetite: Experiments and modelling. Journal of Colloid and Interface Science, 2007, 312, 224-229.	9.4	87
4	Theoretical and Experimental Study of the Adsorption of Neutral Glycine on Silica from the Gas Phase. ChemPhysChem, 2005, 6, 1061-1070.	2.1	65
5	Sorption of selenium(IV) onto magnetite in the presence of silicic acid. Journal of Colloid and Interface Science, 2009, 329, 17-23.	9.4	51
6	Competition between selenium (IV) and silicic acid on the hematite surface. Chemosphere, 2009, 75, 129-134.	8.2	42
7	Sorption of uranium (VI) species on zircon: structural investigation of the solid/solution interface. Journal of Colloid and Interface Science, 2003, 261, 221-232.	9.4	37
8	Microsolvation of glycine by silanol ligands: A DFT study. Computational and Theoretical Chemistry, 2007, 806, 253-259.	1.5	36
9	Towards a common thermodynamic database for speciation models. Radiochimica Acta, 2004, 92, .	1.2	30
10	Photo-Induced Electron Transfer and Magnetic Switching in CoFe Cyanides: Study of the Metastable State. Molecular Crystals and Liquid Crystals, 1999, 335, 253-262.	0.3	28
11	Adsorption of Organic Dyes on Magnetic Iron Oxide Nanoparticles. Part I: Mechanisms and Adsorption-Induced Nanoparticle Agglomeration. ACS Omega, 2021, 6, 19086-19098.	3.5	28
12	Speciation of uranium(VI) at the solid/solution interface: sorption modeling on zirconium silicate and zirconium oxide. Radiochimica Acta, 2003, 91, 453-462.	1.2	24
13	A modelling exercise on the importance of ternary alkaline earth carbonate species of uranium(VI) in the inorganic speciation of natural waters. Applied Geochemistry, 2015, 55, 192-198.	3.0	24
14	Behavior of nanoparticle clouds around a magnetized microsphere under magnetic and flow fields. Physical Review E, 2014, 89, 032310.	2.1	21
15	Adsorption of nickel ions by oleate-modified magnetic iron oxide nanoparticles. Environmental Science and Pollution Research, 2017, 24, 7423-7435.	5.3	17
16	Adsorption of nickel and arsenic from aqueous solution on natural sepiolite. International Journal of Nanotechnology, 2012, 9, 204.	0.2	16
17	Microfluidic separation of magnetic nanoparticles on an ordered array of magnetized micropillars. Physical Review E, 2016, 93, 062604.	2.1	13
18	Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products. Applied Materials Today, 2020, 20, 100622.	4.3	10

#	Article	IF	Citations
19	A Humins-Derived Magnetic Biochar for Water Purification by Adsorption and Magnetic Separation. Waste and Biomass Valorization, 2021, 12, 6497-6512.	3.4	10
20	Adsorption of Organic Dyes on Magnetic Iron Oxide Nanoparticles. Part II: Field-Induced Nanoparticle Agglomeration and Magnetic Separation. Langmuir, 2021, 37, 10612-10623.	3.5	4
21	Interaction of europium and nickel with calcite studied by Rutherford Backscattering Spectrometry and Time-Resolved Laser Fluorescence Spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 111-116.	1.4	1