Nina Huittinen

List of Publications by Year
in descending order

25	381	759233 12	794594 19
papers	citations	h-index	g-index

25	25	25	399
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sorption of Cm(III) and Gd(III) onto gibbsite, Î±-Al(OH)3: A batch and TRLFS study. Journal of Colloid and Interface Science, 2009, 332, 158-164.	9.4	56
2	U(VI) sorption on Ca-bentonite at (hyper)alkaline conditions â€“ Spectroscopic investigations of retention mechanisms. Science of the Total Environment, 2019, 676, 469-481.	8.0	30
3	New insight into Cm(III) interaction with kaolinite â€“ Influence of mineral dissolution. Geochimica Et Cosmochimica Acta, 2012, 99, 100-109.	3.9	25
4	Using Eu3+ as an atomic probe to investigate the local environment in LaPO4â€“GdPO4 monazite end-members. Journal of Colloid and Interface Science, 2016, 483, 139-145.	9.4	24
5	Probing structural homogeneity of La 1-x Gd x PO 4 monazite-type solid solutions by combined spectroscopic and computational studies. Journal of Nuclear Materials, 2017, 486, 148-157.	2.7	24
6	A comparative batch sorption and time-resolved laser fluorescence spectroscopy study on the sorption of Eu(III) and Cm(III) on synthetic and natural kaolinite. Radiochimica Acta, 2010, 98, 613-620.	1.2	22
7	Temperature-dependent luminescence spectroscopic investigations of uranyl(<scp>vi</scp>) complexation with the halides F^{â^’}and Cl^{â^’}. Dalton Transactions, 2020, 49, 7109-7122.	3.3	22
8	Complexation of Trivalent Lanthanides (Eu) and Actinides (Cm) with Aqueous Phosphates at Elevated Temperatures. Inorganic Chemistry, 2018, 57, 7015-7024.	4.0	19
9	A Spectroscopic and Computational Study of Cm³⁺ Incorporation in Lanthanide Phosphate Rhabdophane (LnPO₄Â·0.67H₂O) and Monazite (LnPO₄). Inorganic Chemistry, 2018, 57, 6252-6265.	4.0	15
10	Sorption competition and kinetics of trivalent cations (Eu, Y and Cm) on corundum (Î±-Al2O3): A batch sorption and TRLFS study. Applied Geochemistry, 2018, 92, 71-81.	3.0	15
11	A spectroscopic study of trivalent cation (Cm3+ and Eu3+) sorption on monoclinic zirconia (ZrO2). Applied Surface Science, 2019, 487, 1316-1328.	6.1	15
12	Rare-Earth Orthophosphates From Atomistic Simulations. Frontiers in Chemistry, 2019, 7, 197.	3.6	14
13	Batch sorption and spectroscopic speciation studies of neptunium uptake by montmorillonite and corundum. Geochimica Et Cosmochimica Acta, 2017, 198, 168-181.	3.9	13
14	Retardation of mobile radionuclides in granitic rock fractures by matrix diffusion. Physics and Chemistry of the Earth, 2008, 33, 983-990.	2.9	12
15	Local Structural Effects of Eu³⁺ Incorporation into Xenotimeâ€type Solid Solutions with Different Host Cations. Chemistry - A European Journal, 2018, 24, 13368-13377.	3.3	11
16	The specific sorption of Np(V) on the corundum (Î±-Al2O3) surface in the presence of trivalent lanthanides Eu(III) and Gd(III): A batch sorption and XAS study. Journal of Colloid and Interface Science, 2016, 483, 334-342.	9.4	10
17	Sorption of europium on diatom biosilica as model of a â€œgreenâ€•sorbent for f-elements. Applied Geochemistry, 2021, 126, 104823.	3.0	10
18	Cm(III) retention by calcium silicate hydrate (C-S-H) gel and secondary alteration phases in carbonate solutions with high ionic strength: A site-selective TRLFS study. Scientific Reports, 2019, 9, 14255.	3.3	9

#	Article	IF	Citations
19	Understanding the local structure of Eu3+- and Y3+-stabilized zirconia: insights from luminescence and X-ray absorption spectroscopic investigations. Journal of Materials Science, 2020, 55, 10095-10120.	3.7	9
20	Neptunium(V) transport in granitic rock: A laboratory scale study on the influence of bentonite colloids. Applied Geochemistry, 2019, 103, 31-39.	3.0	8
21	Effect of Ca(II) on U(VI) and Np(VI) retention on Ca-bentonite and clay minerals at hyperalkaline conditions - New insights from batch sorption experiments and luminescence spectroscopy. Science of the Total Environment, 2022, 842, 156837.	8.0	6
22	A Spectroscopic Investigation of Eu3+ Incorporation in LnPO4 (Ln = Tb, Gd1-xLux, X = 0.3, 0.5, 0.7, 1) Ceramics. Frontiers in Chemistry, 2019, 7, 94.	3.6	5
23	Revisiting the Complexation of Cm(III) with Aqueous Phosphates: What Can We Learn from the Complex Structures Using Luminescence Spectroscopy and Ab Initio Simulations?. Inorganic Chemistry, 2021, 60, 10656-10673.	4.0	3
24	Temperature-dependent luminescence spectroscopic and mass spectrometric investigations of U(VI) complexation with aqueous silicates in the acidic pH-range. Environment International, 2020, 136, 105425.	10.0	2
25	The effect of UV-C irradiation and EDTA on the uptake of Co2+ by antimony oxide in the presence and absence of competing cations Ca2+ and Ni2+. Nuclear Engineering and Technology, 2022, 54, 627-636.	2.3	2