

# Nina Huittinen

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

381  
citations

759233

12  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

399  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of UV-C irradiation and EDTA on the uptake of Co <sup>2+</sup> by antimony oxide in the presence and absence of competing cations Ca <sup>2+</sup> and Ni <sup>2+</sup> . Nuclear Engineering and Technology, 2022, 54, 627-636.	2.3	2
2	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
3	Sorption of europium on diatom biosilica as model of a "green" sorbent for f-elements. Applied Geochemistry, 2021, 126, 104823.	3.0	10
4	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
5	Temperature-dependent luminescence spectroscopic investigations of uranyl(IV) complexation with the halides F <sup>-</sup> and Cl <sup>-</sup> . Dalton Transactions, 2020, 49, 7109-7122.	3.3	22
6	Understanding the local structure of Eu <sup>3+</sup> - and Y <sup>3+</sup> -stabilized zirconia: insights from luminescence and X-ray absorption spectroscopic investigations. Journal of Materials Science, 2020, 55, 10095-10120.	3.7	9
7	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
8	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
9	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
10	A spectroscopic study of trivalent cation (Cm <sup>3+</sup> and Eu <sup>3+</sup> ) sorption on monoclinic zirconia (ZrO <sub>2</sub> ). Applied Surface Science, 2019, 487, 1316-1328.	6.1	15
11	U(VI) sorption on Ca-bentonite at (hyper)alkaline conditions " Spectroscopic investigations of retention mechanisms. Science of the Total Environment, 2019, 676, 469-481.	8.0	30
12	Rare-Earth Orthophosphates From Atomistic Simulations. Frontiers in Chemistry, 2019, 7, 197.	3.6	14
13	A Spectroscopic Investigation of Eu <sup>3+</sup> Incorporation in LnPO <sub>4</sub> (Ln = Tb, Gd <sub>1-x</sub> Lux, X = 0.3, 0.5, 0.7, 1) Ceramics. Frontiers in Chemistry, 2019, 7, 94.	3.6	5
14	Complexation of Trivalent Lanthanides (Eu) and Actinides (Cm) with Aqueous Phosphates at Elevated Temperatures. Inorganic Chemistry, 2018, 57, 7015-7024.	4.0	19
15	A Spectroscopic and Computational Study of Cm <sup>3+</sup> Incorporation in Lanthanide Phosphate Rhabdophane (LnPO <sub>4</sub> ·0.67H <sub>2</sub> O) and Monazite (LnPO <sub>4</sub> ). Inorganic Chemistry, 2018, 57, 6252-6265.	4.0	15
16	Local Structural Effects of Eu <sup>3+</sup> Incorporation into Xenotime-type Solid Solutions with Different Host Cations. Chemistry - A European Journal, 2018, 24, 13368-13377.	3.3	11
17	Sorption competition and kinetics of trivalent cations (Eu, Y and Cm) on corundum (±Al <sub>2</sub> O <sub>3</sub> ): A batch sorption and TRLFS study. Applied Geochemistry, 2018, 92, 71-81.	3.0	15
18	Probing structural homogeneity of La <sub>1-x</sub> Gd <sub>x</sub> PO <sub>4</sub> monazite-type solid solutions by combined spectroscopic and computational studies. Journal of Nuclear Materials, 2017, 486, 148-157.	2.7	24

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19	Batch sorption and spectroscopic speciation studies of neptunium uptake by montmorillonite and corundum. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 168-181.	3.9	13
20	Using Eu <sup>3+</sup> as an atomic probe to investigate the local environment in LaPO <sub>4</sub> and GdPO <sub>4</sub> monazite end-members. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 139-145.	9.4	24
21	The specific sorption of Np(V) on the corundum (α-Al <sub>2</sub> O <sub>3</sub> ) surface in the presence of trivalent lanthanides Eu(III) and Gd(III): A batch sorption and XAS study. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 334-342.	9.4	10
22	New insight into Cm(III) interaction with kaolinite – Influence of mineral dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 99, 100-109.	3.9	25
23	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. <i>Radiochimica Acta</i> , 2010, 98, 613-620.	1.2	22
24	Sorption of Cm(III) and Gd(III) onto gibbsite, γ-Al(OH) <sub>3</sub> : A batch and TRLFS study. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 158-164.	9.4	56
25	Retardation of mobile radionuclides in granitic rock fractures by matrix diffusion. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 983-990.	2.9	12