

Jun-Yeop Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Strontium isotope analysis using laser-induced breakdown spectroscopy and molecular laser-induced fluorescence at various atmospheric conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 192, 106416.	2.9	3
2	Paving the way for examination of coupled redox/solid-liquid interface reactions: 1 Åppm Np adsorbed on clay studied by Np M5-edge HR-XANES spectroscopy. <i>Analytica Chimica Acta</i> , 2022, 1202, 339636.	5.4	3
3	Crystal Structure and Stability in Aqueous Solutions of $\text{Na}_{0.5}[\text{NpO}_2(\text{OH})_{1.5}] \cdot 0.5\text{H}_2\text{O}$ and $\text{Na}[\text{NpO}_2(\text{OH})_2]$. <i>Journal of the American Chemical Society</i> , 2022, 144, 9217-9221.	13.7	1
4	Chemical thermodynamics of ternary M-An(VI)- CO_3 system (M = Mg, Ca, Sr, and Ba). <i>Radiochimica Acta</i> , 2022, 110, 873-889.	1.2	3
5	Isotope analysis of iron on structural materials of nuclear power plants using double-pulse laser ablation molecular isotopic spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1287-1296.	3.0	8
6	A Study About Radionuclides Migration Behavior in Terms of Solubility at Gyeongju Low- and Intermediate-Level Radioactive Waste (LILW) Repository. <i>Journal of Nuclear Fuel Cycle and Waste Technology</i> , 2021, 19, 113-121.	0.3	0
7	Impact of Updated OECD/NEA Thermodynamic Database on the Safety Assessment of Radioactive Waste Repository Studied Using RESRAD-OFFSITE Code. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7269.	2.5	1
8	Boron isotopic analysis using molecular emission from double-pulse laser-induced plasma in aqueous boric acid solution. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2378-2386.	3.0	8
9	A novel approach for critical heat flux enhancement during severe accident mitigation with removal of radioactive materials from the coolant. <i>Nuclear Engineering and Design</i> , 2020, 365, 110715.	1.7	5
10	Solubility and stability of liebigite, $\text{Ca}_2\text{UO}_2(\text{CO}_3)_3 \cdot 10\text{H}_2\text{O}(\text{cr})$, in dilute to concentrated NaCl and NaClO_4 solutions at $T = 22 \text{--} 80^\circ\text{C}$. <i>Applied Geochemistry</i> , 2019, 111, 104374.	3.0	10
11	Uranium(VI) sorption complexes on silica in the presence of calcium and carbonate. <i>Journal of Environmental Radioactivity</i> , 2018, 182, 63-69.	1.7	40
12	Adsorption of uranyl tricarbonate and calcium uranyl carbonate onto $\hat{\text{I}}^3$ -alumina. <i>Applied Geochemistry</i> , 2018, 94, 28-34.	3.0	21
13	Redox behaviors of Fe(II/III) and U(IV/VI) studied in synthetic water and KURT groundwater by potentiometry and spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 221-231.	1.5	7
14	Stability Constants and Spectroscopic Properties of Thorium(IV)–Arsenazo III Complexes in Aqueous Hydrochloric Medium. <i>Journal of Solution Chemistry</i> , 2017, 46, 1272-1283.	1.2	2
15	Formation, stability and structural characterization of ternary $\text{MgUO}_2(\text{CO}_3)_3$ and $\text{Mg}_2\text{UO}_2(\text{CO}_3)_3(\text{aq})$ complexes. <i>Radiochimica Acta</i> , 2017, 105, 171-185.	1.2	28
16	Formation of ternary $\text{CaUO}_2(\text{CO}_3)_2$ and $\text{Ca}_2\text{UO}_2(\text{CO}_3)_3(\text{aq})$ complexes under neutral to weakly alkaline conditions. <i>Dalton Transactions</i> , 2013, 42, 9862.	3.3	67
17	Electrochemical and spectroscopic investigations of Tb(III) in molten $\text{LiCl} \text{--} \text{KCl}$ eutectic at high temperature. <i>Electrochemistry Communications</i> , 2010, 12, 1005-1008.	4.7	26
18	Safety assessment of second-phase disposal facility in Gyeongju low- and intermediate-level radioactive waste (LILW) repository using RESRAD-OFFSITE code. <i>Journal of Nuclear Science and Technology</i> , 0, , 1-10.	1.3	5