

Jong-Yun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

380
citations

933447

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h-index

794594

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g-index

30
all docs

30
docs citations

30
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibration-free real-time organic film thickness monitoring technique by reflected X-Ray fluorescence and Compton scattering measurement. Nuclear Engineering and Technology, 2021, 53, 1297-1303.	2.3	3
2	KIn _{0.33} IIIITe _{0.67} VITe ₂ IVO ₇ : Zirconolite-like Mixed-Valent Metal Oxide with a 3D Framework. Inorganic Chemistry, 2021, 60, 15091-15095.	4.0	1
3	Effects of minor alloying elements added in simulated cladding on lattice thermal expansion. Journal of Nuclear Materials, 2021, 557, 153240.	2.7	3
4	Wireless simultaneous measurement system for liquid level and density using dynamic bubbler technique: Application to KNO ₃ molten salts. Journal of Industrial and Engineering Chemistry, 2020, 82, 57-62.	5.8	4
5	Synchrotron-based high-resolution photoemission spectroscopy study of ZIRLO cladding with H ₂ O adsorption: Coverage and temperature dependence. Scientific Reports, 2020, 10, 6650.	3.3	4
6	Integrated study of experiment and first-principles computation for the characterization of a corium type ZrO ₂ complex in a Zr-doped fluorite UO ₂ . International Journal of Energy Research, 2019, 43, 3322-3329.	4.5	8
7	Constituent analysis of metal and metal oxide in reduced SIMFuel using bromine-ethyl acetate. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 1253-1259.	1.5	7
8	Raman spectroscopic study of the structural change of uranium-thorium-mixed oxides before and after oxidation. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 1295-1300.	1.5	4
9	Compositional changes at the interface between thorium-doped uranium dioxide and zirconium due to high-temperature annealing. Journal of Nuclear Materials, 2018, 504, 50-54.	2.7	4
10	Electrochemical Formation of Divalent Samarium Cation and Its Characteristics in LiCl-KCl Melt. Inorganic Chemistry, 2018, 57, 8299-8306.	4.0	32
11	Automated high-temperature liquid level measurement system using a dynamic tube pressure technique. Journal of Industrial and Engineering Chemistry, 2017, 49, 30-35.	5.8	15
12	Raman study on structure of U _{1-γ} Gd _{γ} O _{2-x} ($\gamma=0.005, 0.01, 0.03, 0.05$ and 0.1) solid solutions. Journal of Nuclear Materials, 2017, 486, 216-221.	2.7	24
13	Quantitative and isotopic analysis of released and retained krypton and xenon fission gases from irradiated metallic fuels. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 517-521.	1.5	6
14	The Combined Influence of Gadolinium Doping and Non-stoichiometry on the Structural and Electrochemical Properties of Uranium Dioxide. Electrochimica Acta, 2017, 247, 942-948.	5.2	13
15	Influence of Gd Doping on the Structure and Electrochemical Behavior of UO ₂ . Electrochimica Acta, 2017, 247, 496-504.	5.2	20
16	Application of Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Characterization of U-7Mo/Al-5Si Dispersion Fuels. Nuclear Engineering and Technology, 2017, 49, 645-650.	2.3	2
17	Crystallographic characterization of irradiated U-10Zr and U-10Zr-5Ce metallic fuels. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2579-2583.	1.5	1
18	Change of Composition in Metallic Fuel Slug of U-Zr Alloy from High-Temperature Annealing. Bulletin of the Korean Chemical Society, 2016, 37, 1492-1495.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Rapid separation of ⁹⁹ Tc, ⁹⁰ Sr, ⁵⁵ Fe, ⁹⁴ Nb, and ^{59,63} Ni in radioactive waste samples. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 809-816.	1.5	4
20	Electrochemical preparation and spectroelectrochemical study of neptunium chloride complexes in LiCl-KCl eutectic melts. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 31-36.	1.5	11
21	Liquid Level Measurement by the Detection of Abrupt Pressure Changes in a Tube in Contact with a Liquid Surface. Journal of Nuclear Fuel Cycle and Waste Technology, 2015, 13, 39-44.	0.3	8
22	New mesoporous silica/carbon composites by in situ transformation of silica template in carbon/silica nanocomposite. Journal of Experimental Nanoscience, 2014, 9, 221-229.	2.4	9
23	Electrochemical Reactions of Uranium Trichloride on a Graphene Surface in LiCl-KCl Molten Salt. Electrochemistry, 2014, 82, 462-466.	1.4	7
24	Spectroscopic analysis of trivalent cerium and holmium ions in LiCl-KCl eutectic melt at high temperature. Journal of Luminescence, 2013, 134, 706-709.	3.1	6
25	In Situ Recrystallization of Silica Template for Synthesis of Novel Microporous ZSM-5/Hollow Mesoporous Carbon Composites. Industrial & Engineering Chemistry Research, 2011, 50, 7998-8005.	3.7	11
26	Thickness measurement of organic films using Compton scattering of characteristic X-rays. Applied Radiation and Isotopes, 2011, 69, 1241-1245.	1.5	11
27	Performance characteristics of a prompt gamma-ray activation analysis (PGAA) system equipped with a new compact ²⁵² Cf neutron generator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 243-247.	1.6	15
28	Radioisotopic neutron transmission spectrometry: Quantitative analysis by using partial least-squares method. Applied Radiation and Isotopes, 2009, 67, 1466-1470.	1.5	0
29	The Role of Di(2-ethylhexyl)phosphoric Acid as a Cosurfactant on the Morphology Control of Mesoporous Silica Microspheres. Journal of Nanoscience and Nanotechnology, 2007, 7, 3862-3866.	0.9	4
30	Synthesis of monodisperse spherical silica particles with solid core and mesoporous shell: mesopore channels perpendicular to the surface. Journal of Materials Chemistry, 2007, 17, 1758.	6.7	139