

Jong-Yun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

380
citations

933447

10
h-index

794594

19
g-index

30
all docs

30
docs citations

30
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of monodisperse spherical silica particles with solid core and mesoporous shell: mesopore channels perpendicular to the surface. <i>Journal of Materials Chemistry</i> , 2007, 17, 1758.	6.7	139
2	Electrochemical Formation of Divalent Samarium Cation and Its Characteristics in LiCl-KCl Melt. <i>Inorganic Chemistry</i> , 2018, 57, 8299-8306.	4.0	32
3	Raman study on structure of $U_{1-y}Gd_yO_{2-x}$ ($y=0.005, 0.01, 0.03, 0.05$ and 0.1) solid solutions. <i>Journal of Nuclear Materials</i> , 2017, 486, 216-221.	2.7	24
4	Influence of Gd Doping on the Structure and Electrochemical Behavior of UO_2 . <i>Electrochimica Acta</i> , 2017, 247, 496-504.	5.2	20
5	Performance characteristics of a prompt gamma-ray activation analysis (PGAA) system equipped with a new compact D^2 neutron generator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 606, 243-247.	1.6	15
6	Automated high-temperature liquid level measurement system using a dynamic tube pressure technique. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 49, 30-35.	5.8	15
7	The Combined Influence of Gadolinium Doping and Non-stoichiometry on the Structural and Electrochemical Properties of Uranium Dioxide. <i>Electrochimica Acta</i> , 2017, 247, 942-948.	5.2	13
8	In Situ Recrystallization of Silica Template for Synthesis of Novel Microporous ZSM-5/Hollow Mesoporous Carbon Composites. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7998-8005.	3.7	11
9	Thickness measurement of organic films using Compton scattering of characteristic X-rays. <i>Applied Radiation and Isotopes</i> , 2011, 69, 1241-1245.	1.5	11
10	Electrochemical preparation and spectroelectrochemical study of neptunium chloride complexes in LiCl-KCl eutectic melts. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 31-36.	1.5	11
11	New mesoporous silica/carbon composites by in situ transformation of silica template in carbon/silica nanocomposite. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 221-229.	2.4	9
12	Integrated study of experiment and first-principles computation for the characterization of a corium type ZrO_8 complex in a Zr -doped fluorite UO_2 . <i>International Journal of Energy Research</i> , 2019, 43, 3322-3329.	4.5	8
13	Liquid Level Measurement by the Detection of Abrupt Pressure Changes in a Tube in Contact with a Liquid Surface. <i>Journal of Nuclear Fuel Cycle and Waste Technology</i> , 2015, 13, 39-44.	0.3	8
14	Electrochemical Reactions of Uranium Trichloride on a Graphene Surface in LiCl-KCl Molten Salt. <i>Electrochemistry</i> , 2014, 82, 462-466.	1.4	7
15	Constituent analysis of metal and metal oxide in reduced SIMFuel using bromine-ethyl acetate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 1253-1259.	1.5	7
16	Spectroscopic analysis of trivalent cerium and holmium ions in LiCl-KCl eutectic melt at high temperature. <i>Journal of Luminescence</i> , 2013, 134, 706-709.	3.1	6
17	Quantitative and isotopic analysis of released and retained krypton and xenon fission gases from irradiated metallic fuels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 517-521.	1.5	6
18	The Role of Di(2-ethylhexyl)phosphoric Acid as a Cosurfactant on the Morphology Control of Mesoporous Silica Microspheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3862-3866.	0.9	4

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19	Change of Composition in Metallic Fuel Slug of Uâ€“Zr Alloy from Highâ€“Temperature Annealing. Bulletin of the Korean Chemical Society, 2016, 37, 1492-1495.	1.9	4
20	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
21	Raman spectroscopic study of the structural change of uraniumâ€“thorium-mixed oxides before and after oxidation. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 1295-1300.	1.5	4
22	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
23	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
24	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
25	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
26	Effects of minor alloying elements added in simulated cladding on lattice thermal expansion. Journal of Nuclear Materials, 2021, 557, 153240.	2.7	3
27	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
28	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
29	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
30	Radioisotopic neutron transmission spectrometry: Quantitative analysis by using partial least-squares method. Applied Radiation and Isotopes, 2009, 67, 1466-1470.	1.5	0