

Hyuncheol Kim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

439
citations

759233

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713466

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23
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid removal of radioactive cesium by polyacrylonitrile nanofibers containing Prussian blue. <i>Journal of Hazardous Materials</i> , 2018, 347, 106-113.	12.4	77
2	Preparation of highly stable zeolite-alginate foam composite for strontium(⁹⁰ Sr) removal from seawater and evaluation of Sr adsorption performance. <i>Journal of Environmental Management</i> , 2018, 205, 192-200.	7.8	48
3	Highly stable and magnetically separable alginate/Fe ₃ O ₄ composite for the removal of strontium (Sr) from seawater. <i>Chemosphere</i> , 2016, 165, 231-238.	8.2	46
4	Sequential removal of radioactive Cs by electrochemical adsorption and desorption reaction using core-shell structured carbon nanofiber@Prussian blue composites. <i>Chemical Engineering Journal</i> , 2020, 399, 125817.	12.7	40
5	Prussian blue-embedded carboxymethyl cellulose nanofibril membranes for removing radioactive cesium from aqueous solution. <i>Carbohydrate Polymers</i> , 2020, 235, 115984.	10.2	33
6	Removal of ⁹⁰ Sr from highly Na ⁺ -rich liquid nuclear waste with a layered vanadosilicate. <i>Energy and Environmental Science</i> , 2019, 12, 1857-1865.	30.8	28
7	Simultaneous removal of radioactive cesium and strontium from seawater using a highly efficient Prussian blue-embedded alginate aerogel. <i>Journal of Environmental Management</i> , 2021, 297, 113389.	7.8	27
8	Photocatalytic enhancement of cesium removal by Prussian blue-deposited TiO ₂ . <i>Journal of Hazardous Materials</i> , 2018, 357, 449-456.	12.4	23
9	Conventional and photoinduced radioactive ¹³⁷ Cs removal by adsorption on FeFe, CoFe, and NiFe Prussian blue analogues. <i>Chemical Engineering Journal</i> , 2021, 405, 126568.	12.7	23
10	Rapid determination of radiostrontium in milk using automated radionuclides separator and liquid scintillation counter. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 293-300.	1.5	17
11	A rapid and efficient automated method for the sequential separation of plutonium and radiostrontium in seawater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 321-327.	1.5	15
12	Validation of a procedure for the analysis of ²²⁶ Ra in naturally occurring radioactive materials using a liquid scintillation counter. <i>Journal of Environmental Radioactivity</i> , 2017, 166, 188-194.	1.7	13
13	Feasibility study of an analytical method for detecting ⁹⁰ Sr in soil using DGA resin and Sr resin. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 401-408.	1.5	10
14	Enhancement of cesium adsorption on Prussian blue by TiO ₂ photocatalysis: Effect of the TiO ₂ /PB ratio. <i>Journal of Water Process Engineering</i> , 2020, 38, 101571.	5.6	8
15	Automated extraction chromatographic radionuclide separation system for analysis of ⁹⁰ Sr in seawater. <i>Talanta</i> , 2020, 217, 121055.	5.5	7
16	Limitations of gamma-ray spectrometry in the quantification of ²³⁸ U and ²³² Th in raw materials and by-products. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 1163-1168.	1.5	4
17	Ultra-Sensitive Determination of Particulate, Gaseous Inorganic and Organic Iodine-129 and Iodine-127 in Ambient Air. <i>Analytical Chemistry</i> , 2022, 94, 9835-9843.	6.5	4
18	Validation of the quantification of natural radionuclides in raw materials and by-products using gamma-ray spectrometry. <i>Accreditation and Quality Assurance</i> , 2016, 21, 403-408.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Analytical method for the determination of gross beta, ^{90}Sr , ^{226}Ra and Pu isotopes in environmental samples. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 523-529.	1.5	3
20	Comparison of the Quantulus 1220 and 300SL Liquid Scintillation Counters for the Analysis of ^{222}Rn in Groundwater. Journal of Radiation Protection and Research, 2016, 41, 395-401.	0.6	3
21	Optimization of Radiostrontium Separation Process Using Sr Resin. Journal of Nuclear Fuel Cycle and Waste Technology, 2015, 13, 123-130.	0.3	3
22	Analytical method for determination of ^{41}Ca in radioactive concrete. Nuclear Engineering and Technology, 2021, 53, 1210-1217.	2.3	2
23	Experimental characterization of alpha spectrometer for optimization of operational parameters affecting energy resolution and detection efficiency. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 959-967.	1.5	2