Hyuncheol Kim

List of Publications by Year
in descending order

23 papers	439 citations	759233 12 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	413 citing authors

#	Article	IF	Citations
1	Ultra-Sensitive Determination of Particulate, Gaseous Inorganic and Organic Iodine-129 and Iodine-127 in Ambient Air. Analytical Chemistry, 2022, 94, 9835-9843.	6.5	4
2	Conventional and photoinduced radioactive 137Cs removal by adsorption on FeFe, CoFe, and NiFe Prussian blue analogues. Chemical Engineering Journal, 2021, 405, 126568.	12.7	23
3	Analytical method for determination of 41Ca in radioactive concrete. Nuclear Engineering and Technology, 2021, 53, 1210-1217.	2.3	2
4	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
5	Simultaneous removal of radioactive cesium and strontium from seawater using a highly efficient Prussian blue-embedded alginate aerogel. Journal of Environmental Management, 2021, 297, 113389.	7.8	27
6	Enhancement of cesium adsorption on Prussian blue by TiO2 photocatalysis: Effect of the TiO2/PB ratio. Journal of Water Process Engineering, 2020, 38, 101571.	5.6	8
7	Automated extraction chromatographic radionuclide separation system for analysis of 90Sr in seawater. Talanta, 2020, 217, 121055.	5.5	7
8	Sequential removal of radioactive Cs by electrochemical adsorption and desorption reaction using core-shell structured carbon nanofiberâ€“Prussian blue composites. Chemical Engineering Journal, 2020, 399, 125817.	12.7	40
9	Prussian blue-embedded carboxymethyl cellulose nanofibril membranes for removing radioactive cesium from aqueous solution. Carbohydrate Polymers, 2020, 235, 115984.	10.2	33
10	Removal of ⁹⁰Sr from highly Na⁺-rich liquid nuclear waste with a layered vanadosilicate. Energy and Environmental Science, 2019, 12, 1857-1865.	30.8	28
11	Rapid removal of radioactive cesium by polyacrylonitrile nanofibers containing Prussian blue. Journal of Hazardous Materials, 2018, 347, 106-113.	12.4	77
12	Preparation of highly stable zeolite-alginate foam composite for strontium(90 Sr) removal from seawater and evaluation of Sr adsorption performance. Journal of Environmental Management, 2018, 205, 192-200.	7.8	48
13	Photocatalytic enhancement of cesium removal by Prussian blue-deposited TiO2. Journal of Hazardous Materials, 2018, 357, 449-456.	12.4	23
14	Validation of a procedure for the analysis of 226Ra in naturally occurring radioactive materials using a liquid scintillation counter. Journal of Environmental Radioactivity, 2017, 166, 188-194.	1.7	13
15	Feasibility study of an analytical method for detecting 90Sr in soil using DGA resin and Sr resin. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 401-408.	1.5	10
16	Analytical method for the determination of gross beta, 90Sr, 226Ra and Pu isotopes in environmental samples. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 523-529.	1.5	3
17	Limitations of gamma-ray spectrometry in the quantification of 238U and 232Th in raw materials and by-products. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1163-1168.	1.5	4
18	Highly stable and magnetically separable alginate/Fe 3 O 4 composite for the removal of strontium (Sr) from seawater. Chemosphere, 2016, 165, 231-238.	8.2	46

#	Article	IF	Citations
19	Validation of the quantification of natural radionuclides in raw materials and by-products using gamma-ray spectrometry. Accreditation and Quality Assurance, 2016, 21, 403-408.	0.8	3
20	Comparison of the Quantulus 1220 and 300SL Liquid Scintillation Counters for the Analysis of222Rn in Groundwater. Journal of Radiation Protection and Research, 2016, 41, 395-401.	0.6	3
21	Rapid determination of radiostrontium in milk using automated radionuclides separator and liquid scintillation counter. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 293-300.	1.5	17
22	A rapid and efficient automated method for the sequential separation of plutonium and radiostrontium in seawater. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 321-327.	1.5	15
23	Optimization of Radiostrontium Separation Process Using Sr Resin. Journal of Nuclear Fuel Cycle and Waste Technology, 2015, 13, 123-130.	0.3	3