Shiho Asai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3265393/publications.pdf

Version: 2024-02-01

37	378	840776 11	839539 18
papers	citations	h-index	g-index

37	37	37	258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Quantitation of ¹³⁵Cs in Spent Cs Adsorbent Used for the Decontamination of Radiocesium-Containing Water by Laser Ablation Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2020, 92, 3276-3284.	6.5	7
2	Recent Progress in Charged Polymer Chains Grafted by Radiation-Induced Graft Polymerization; Adsorption of Proteins and Immobilization of Inorganic Precipitates. Quantum Beam Science, 2020, 4, 20.	1.2	12
3	Determination of 107Pd in Pd purified by selective precipitation from spent nuclear fuel by laser ablation ICP-MS. Analytical and Bioanalytical Chemistry, 2019, 411, 973-983.	3.7	13
4	Rapid separation of zirconium using microvolume anion-exchange cartridge for 93Zr determination with isotope dilution ICP-MS. Talanta, 2018, 185, 98-105.	5.5	6
5	Recovery of Rare Metals Using Nucleic Acid Bases and Extractants Immobilized by Grafted Polymer Chains. Bunseki Kagaku, 2017, 66, 771-782.	0.2	2
6	Removal of Radioactive Substances Using Inorganic Compounds Entangled by Polymer Chain Grafted onto Fiber. Bunseki Kagaku, 2017, 66, 233-242.	0.2	1
7	Non-contact and Selective Pd Separation Based on Laser-induced Photoreduction for Determination of ¹⁰⁷Pd by ICP-MS â€"The Relation between Separation Conditions and Pd Rsecoveryâ€". Bunseki Kagaku, 2017, 66, 647-652.	0.2	3
8	Preparation of Sr Adsorptive Fiber by Impregnating with Crown Ether Derivative for ⁹⁰Sr Measurement. Bunseki Kagaku, 2017, 66, 189-193.	0.2	1
9	Determination of ¹⁰⁷Pd in Pd Recovered by Laser-Induced Photoreduction with Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2016, 88, 12227-12233.	6.5	18
10	Preparation of Microvolume Anion-Exchange Cartridge for Inductively Coupled Plasma Mass Spectrometry-Based Determination of ²³⁷Np Content in Spent Nuclear Fuel. Analytical Chemistry, 2016, 88, 3149-3155.	6.5	10
11	LA-ICP-MS of rare earth elements concentrated in cation-exchange resin particles for origin attribution of uranium ore concentrate. Talanta, 2015, 135, 41-49.	5.5	20
12	Simple Method for High-Density Impregnation of Aliquat 336 onto Porous Sheet and Binding Performance of Resulting Sheet for Palladium Ions. Separation Science and Technology, 2014, 49, 154-159.	2.5	4
13	Application of Capillary Electrophoresis with Laser-induced Fluorescence Detection for the Determination of Trace Neodymium in Spent Nuclear Fuel Using Complexation with an Emissive Macrocyclic Polyaminocarboxylate Probe. Analytical Sciences, 2014, 30, 773-776.	1.6	6
14	Crosslinked-Chelating Porous Sheet with High Dynamic Binding Capacity of Metal Ions. Solvent Extraction and Ion Exchange, 2013, 31, 210-220.	2.0	4
15	Isotope dilution inductively coupled plasma mass spectrometry for determination of¹²⁶Sn content in spent nuclear fuel sample. Journal of Nuclear Science and Technology, 2013, 50, 556-562.	1.3	10
16	Determination of Mole Percentages of Brush and Root of Polymer Chain Grafted onto Porous Sheet. Journal of Chemical Engineering of Japan, 2013, 46, 414-419.	0.6	11
17	Dependence of Lanthanide-Ion Binding Performance on HDEHP Concentration in HDEHP Impregnation to Porous Sheet. Solvent Extraction and Ion Exchange, 2012, 30, 171-180.	2.0	9
18	Highly sensitive detection of neodymium ion in small amount of spent nuclear fuel samples using novel fluorescent macrocyclic hexadentate polyaminocarboxylate probe in capillary electrophoresis-laser-induced fluorescence detection. Journal of Chromatography A, 2012, 1232, 152-157.	3.7	15

#	Article	IF	Citations
19	Determination of⁷⁹Se and¹³⁵Cs in Spent Nuclear Fuel for Inventory Estimation of High-Level Radioactive Wastes. Journal of Nuclear Science and Technology, 2011, 48, 851-854.	1.3	26
20	Removal of Cesium Using Cobalt-Ferrocyanide-Impregnated Polymer-Chain-Grafted Fibers. Journal of Nuclear Science and Technology, 2011, 48, 1281-1284.	1.3	54
21	Computational Study for Inventory Estimation of Se-79, Tc-99, Sn-126, and Cs-135 in High-Level Radioactive Wastes From Spent Nuclear Fuels of Light Water Reactors. , 2011, , .		0
22	Analyses of Assay Data of LWR Spent Nuclear Fuels with a Continuous-Energy Monte Carlo Code MVP and JENDL-4.0 for Inventory Estimation of 79Se, 99Tc, 126Sn and 135Cs. Progress in Nuclear Science and Technology, 2011, 2, 369-374.	0.3	4
23	Validation of Correlations Between Nd Isotopes and Difficult-to-Measure Nuclides Predicted With Burn-Up Calculation Code by Postirradiation Examination. , 2011, , .		0
24	Modification of a Porous Sheet (MAPS) for the High-Performance Solid-Phase Extraction of Trace and Ultratrace Elements by Radiation-Induced Graft Polymerization. Analytical Sciences, 2010, 26, 649-658.	1.6	16
25	Modification of a hydrophobic-ligand-containing porous sheet using tri-n-octylphosphine oxide, and its adsorption/elution of bismuth ions. Reactive and Functional Polymers, 2010, 70, 986-990.	4.1	8
26	Comparison of Post-Irradiation Experimental Data and Theoretical Calculations for Inventory Estimation of Long-Lived Fission Products in Spent Nuclear Fuel. , 2010, , .		1
27	Separation of U and Pu in spent nuclear fuel sample using anion-exchange-group-introduced porous polymer sheet for ICP-MS determination. Talanta, 2008, 77, 695-700.	5.5	11
28	Impregnation of Extractants to Porous Membrane by Radiation-induced Graft Polymerization. Membrane, 2008, 33, 70-77.	0.0	0
29	Impregnation of a Neutral Extractant to Hydrophobic/Hydrophilic Groups Introduced into the Polymer Chain Grafted onto a Porous Membrane. Membrane, 2008, 33, 32-38.	0.0	9
30	Effects of Aliquat 336 Concentration and Solvent Composition on Amount of Aliquat 336 Impregnated and Liquid Permeability of Aliquat 336-Impregnated Porous Hollow-Fiber Membrane. Membrane, 2007, 32, 168-174.	0.0	6
31	Preparation of Extractant-impregnated Porous Sheets for High-speed Separation of Radionuclides. Journal of Ion Exchange, 2007, 18, 480-485.	0.3	7
32	Rapid Separation of Actinides Using an Anion-exchange Polymer Chain Grafted onto a Porous Sheet. Journal of Ion Exchange, 2007, 18, 486-491.	0.3	2
33	Impregnation of an Acidic Extractant Cyanex 272 to the Alkylamino Group and Alkylthiol Group Introduced into the Polymer Chain Grafted onto a Porous Membrane. Membrane, 2007, 32, 109-115.	0.0	7
34	Preparation of Aliquat 336-impregnated porous membrane. Journal of Membrane Science, 2006, 281, 195-202.	8.2	17
35	Selection of the alkylamino group introduced into the polymer chain grafted onto a porous membrane for the impregnation of an acidic extractant. Journal of Membrane Science, 2005, 262, 153-158.	8.2	21
36	Preparation of an extractant-impregnated porous membrane for the high-speed separation of a metal ion. Journal of Chromatography A, 2005, 1094, 158-164.	3.7	29

#	Article	IF	Citations
37	Interaction Between an Acidic Extractant and an Octadecylamino Group Introduced into a Grafted Polymer Chain. Separation Science and Technology, 2005, 40, 3349-3364.	2.5	8