

Ryo Ishihara

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

285
citations

10
h-index

15
g-index

31
ext. papers

328
ext. citations

2.8
avg, IF

3.11
L-index

#	Paper	IF	Citations
29	Multiplex MicroRNA Detection on a Surface-Functionalized Power-Free Microfluidic Chip. <i>Analytical Sciences</i> , 2021 , 37, 747-751	1.7	2
28	Fabrication of Storable Surface-Functionalized Power-Free Microfluidic Chip for Sensitive MicroRNA Detection Utilizing Ultraviolet Grafting. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10464-10468	3.9	2
27	Recent Progress in Charged Polymer Chains Grafted by Radiation-Induced Graft Polymerization; Adsorption of Proteins and Immobilization of Inorganic Precipitates. <i>Quantum Beam Science</i> , 2020 , 4, 20	1.6	6
26	Preparation of Pt/WO ₃ -coated polydimethylsiloxane membrane for transparent/flexible hydrogen gas sensors. <i>Materials Chemistry and Physics</i> , 2019 , 226, 226-229	4.4	12
25	Fabrication of thermoresponsive degradable hydrogel made by radical polymerization of 2-methylene-1,3-dioxepane: Unique thermal coacervation in hydrogel. <i>Polymer</i> , 2019 , 179, 121633	3.9	11
24	High-resolution separation of neodymium and dysprosium ions utilizing extractant-impregnated graft-type particles. <i>Journal of Chromatography A</i> , 2018 , 1533, 10-16	4.5	3
23	Rapid separation of zirconium using microvolume anion-exchange cartridge for Zr determination with isotope dilution ICP-MS. <i>Talanta</i> , 2018 , 185, 98-105	6.2	5
22	Fabrication of Hybrid Capsules via CaCO ₃ Crystallization on Degradable Coacervate Droplets. <i>Langmuir</i> , 2018 , 34, 3981-3986	4	11
21	Design of Capture Materials Utilizing Radiation-Induced Graft Polymerization. <i>Kobunshi Ronbunshu</i> , 2018 , 75, 456-467	0	1
20	Preparation of thermo- and redox-responsive branched polymers composed of three-armed oligo(ethylene glycol). <i>Journal of Polymer Science Part A</i> , 2018 , 56, 2623-2629	2.5	3
19	Rapid and Easy Extracellular Vesicle Detection on a Surface-Functionalized Power-Free Microchip toward Point-of-Care Diagnostics. <i>ACS Omega</i> , 2017 , 2, 6703-6707	3.9	5
18	Facile preparation of degradable thermoresponsive polymers as biomaterials: Thermoresponsive polymers prepared by radical polymerization degrade to water-soluble oligomers. <i>Polymer</i> , 2017 , 130, 68-73	3.9	20
17	Preparation of a Surface-functionalized Power-free PDMS Microchip for MicroRNA Detection Utilizing Electron Beam-induced Graft Polymerization. <i>Analytical Sciences</i> , 2017 , 33, 197-202	1.7	7
16	Preparation of Microvolume Anion-Exchange Cartridge for Inductively Coupled Plasma Mass Spectrometry-Based Determination of (237)Np Content in Spent Nuclear Fuel. <i>Analytical Chemistry</i> , 2016 , 88, 3149-55	7.8	9
15	Multiplex MicroRNA Detection on a Power-free Microfluidic Chip with Laminar Flow-assisted Dendritic Amplification. <i>Analytical Sciences</i> , 2015 , 31, 573-6	1.7	22
14	Detection of Proteins and Nucleic Acids with Laminar Flow-Assisted Dendritic Amplification on Power-Free Microfluidic Chip. <i>Bunseki Kagaku</i> , 2015 , 64, 319-328	0.2	1
13	Cesium removal in freshwater using potassium cobalt hexacyanoferrate-impregnated fibers. <i>Radiation Physics and Chemistry</i> , 2014 , 94, 119-122	2.5	37

12	Simple Method for High-Density Impregnation of Aliquat 336 onto Porous Sheet and Binding Performance of Resulting Sheet for Palladium Ions. <i>Separation Science and Technology</i> , 2014 , 49, 154-159	2.5	3
11	Crosslinked-Chelating Porous Sheet with High Dynamic Binding Capacity of Metal Ions. <i>Solvent Extraction and Ion Exchange</i> , 2013 , 31, 210-220	2.5	4
10	Effect of Dose on Mole Percentages of Polymer Brush and Root Grafted onto Porous Polyethylene Sheet by Radiation-Induced Graft Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 12582-12586	3.9	10
9	Determination of Mole Percentages of Brush and Root of Polymer Chain Grafted onto Porous Sheet. <i>Journal of Chemical Engineering of Japan</i> , 2013 , 46, 414-419	0.8	11
8	Preparation of Adsorptive Fibers for Removal of Cesium from Seawater. <i>Journal of Ion Exchange</i> , 2013 , 24, 8-13	0.2	4
7	Dependence of Lanthanide-Ion Binding Performance on HDEHP Concentration in HDEHP Impregnation to Porous Sheet. <i>Solvent Extraction and Ion Exchange</i> , 2012 , 30, 171-180	2.5	8
6	Removal of Cesium Using Cobalt-Ferrocyanide-Impregnated Polymer-Chain-Grafted Fibers. <i>Journal of Nuclear Science and Technology</i> , 2011 , 48, 1281-1284	1	43
5	Effect of Chelating Group Density of Crosslinked Graft Chain on Dynamic Binding Capacity for Metal Ions. <i>Journal of Ion Exchange</i> , 2011 , 22, 47-52	0.2	4
4	Modification of a hydrophobic-ligand-containing porous sheet using tri-n-octylphosphine oxide, and its adsorption/elution of bismuth ions. <i>Reactive and Functional Polymers</i> , 2010 , 70, 986-990	4.6	7
3	Protein Purification Using Immobilized Metal Affinity Porous Sheet. <i>Journal of Ion Exchange</i> , 2008 , 19, 101-106	0.2	2
2	High-throughput solid-phase extraction of metal ions using an iminodiacetate chelating porous disk prepared by graft polymerization. <i>Journal of Chromatography A</i> , 2007 , 1176, 37-42	4.5	25
1	Preparation of Extractant-impregnated Porous Sheets for High-speed Separation of Radionuclides. <i>Journal of Ion Exchange</i> , 2007 , 18, 480-485	0.2	7