

# Ryo Ishihara

## List of Publications by Year in descending order

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31  
papers

369  
citations

932766

10  
h-index

839053

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g-index

31  
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31  
docs citations

31  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Cesium Using Cobalt-Ferrocyanide-Impregnated Polymer-Chain-Grafted Fibers. <i>Journal of Nuclear Science and Technology</i> , 2011, 48, 1281-1284.	0.7	54
2	Cesium removal in freshwater using potassium cobalt hexacyanoferrate-impregnated fibers. <i>Radiation Physics and Chemistry</i> , 2014, 94, 119-122.	1.4	39
3	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.	1.8	28
4	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.	1.8	28
5	Multiplex MicroRNA Detection on a Power-free Microfluidic Chip with Laminar Flow-assisted Dendritic Amplification. <i>Analytical Sciences</i> , 2015, 31, 573-576.	0.8	25
6	Preparation of Pt/WO <sub>3</sub> -coated polydimethylsiloxane membrane for transparent/flexible hydrogen gas sensors. <i>Materials Chemistry and Physics</i> , 2019, 226, 226-229.	2.0	25
7	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.	1.8	22
8	Fabrication of Hybrid Capsules via CaCO <sub>3</sub> Crystallization on Degradable Coacervate Droplets. <i>Langmuir</i> , 2018, 34, 3981-3986.	1.6	13
9	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.	0.6	12
10	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.	0.3	11
11	Effect of Dose on Mole Percentages of Polymer Brush and Root Grafted onto Porous Polyethylene Sheet by Radiation-Induced Graft Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 12582-12586.	1.8	10
12	Preparation of Microvolume Anion-Exchange Cartridge for Inductively Coupled Plasma Mass Spectrometry-Based Determination of <sup>237</sup> Np Content in Spent Nuclear Fuel. <i>Analytical Chemistry</i> , 2016, 88, 3149-3155.	3.2	10
13	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.	0.8	10
14	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.	0.8	9
15	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.	2.0	8
16	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.	1.6	7
17	Preparation of Extractant-impregnated Porous Sheets for High-speed Separation of Radionuclides. <i>Journal of Ion Exchange</i> , 2007, 18, 480-485.	0.1	7
18	Rapid separation of zirconium using microvolume anion-exchange cartridge for <sup>93</sup> Zr determination with isotope dilution ICP-MS. <i>Talanta</i> , 2018, 185, 98-105.	2.9	6

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19	Fabrication of Storable Surface-Functionalized Power-Free Microfluidic Chip for Sensitive MicroRNA Detection Utilizing Ultraviolet Grafting. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10464-10468.	1.8	6
20	Multiplex MicroRNA Detection on a Surface-Functionalized Power-Free Microfluidic Chip. <i>Analytical Sciences</i> , 2021, 37, 747-751.	0.8	6
21	Crosslinked-Chelating Porous Sheet with High Dynamic Binding Capacity of Metal Ions. <i>Solvent Extraction and Ion Exchange</i> , 2013, 31, 210-220.	0.8	4
22	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.	1.3	4
23	High-resolution separation of neodymium and dysprosium ions utilizing extractant-impregnated graft-type particles. <i>Journal of Chromatography A</i> , 2018, 1533, 10-16.	1.8	4
24	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.	0.1	4
25	Preparation of Adsorptive Fibers for Removal of Cesium from Seawater. <i>Journal of Ion Exchange</i> , 2013, 24, 8-13.	0.1	4
26	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
27	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.	0.1	2
28	Design of Capture Materials Utilizing Radiation-Induced Graft Polymerization. <i>Kobunshi Ronbunshu</i> , 2018, 75, 456-467.	0.2	2
29	Protein Purification Using Immobilized Metal Affinity Porous Sheet. <i>Journal of Ion Exchange</i> , 2008, 19, 101-106.	0.1	2
30	Pt/WO <sub>3</sub> Nanoparticle-Dispersed Polydimethylsiloxane Membranes for Transparent and Flexible Hydrogen Gas Leakage Sensors. <i>Membranes</i> , 2022, 12, 291.	1.4	2
31	Design of a Sensitive Extracellular Vesicle Detection Method Utilizing a Surface-Functionalized Power-Free Microchip. <i>Membranes</i> , 2022, 12, 679.	1.4	2