

# Jej-Won Yeon

## List of Publications by Year in descending order

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35  
papers

290  
citations

1163117

8  
h-index

940533

16  
g-index

37  
all docs

37  
docs citations

37  
times ranked

385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of uranium(VI) from aqueous solutions by nanoporous carbon and its chelating polymer composite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 286, 129-133.	1.5	69
2	In-Depth Investigation on Two- and Three-Electrode Impedance Measurements in Terms of the Effect of the Counter Electrode. <i>Electronic Materials Letters</i> , 2009, 5, 169-178.	2.2	32
3	Determination of Triiodide Ion Concentration Using UV-Visible Spectrophotometry. <i>Asian Journal of Chemistry</i> , 2014, 26, 4084-4086.	0.3	24
4	A calibration technique for an Ag/AgCl reference electrode utilizing the relationship between the electrical conductivity and the KCl concentration of the internal electrolyte. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2587-2592.	2.9	20
5	Deposition behaviour of corrosion products on the Zircaloy heat transfer surface. <i>Journal of Nuclear Materials</i> , 2006, 354, 163-170.	2.7	18
6	The Oxidation Behavior of Iodide Ion Under Gamma Irradiation Conditions. <i>Nuclear Science and Engineering</i> , 2015, 181, 191-203.	1.1	12
7	Electrochemical preparation and spectroelectrochemical study of neptunium chloride complexes in LiCl-KCl eutectic melts. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 31-36.	1.5	11
8	Preparation and application of chelating polymer-mesoporous silica composite for Europium-ion adsorption. <i>Macromolecular Research</i> , 2011, 19, 421-426.	2.4	10
9	Radioactivity data analysis of <sup>137</sup> Cs in marine sediments near severely damaged Chernobyl and Fukushima nuclear power plants. <i>Nuclear Engineering and Technology</i> , 2020, 52, 366-372.	2.3	9
10	Electrochemical Reactions of Uranium Trichloride on a Graphene Surface in LiCl-KCl Molten Salt. <i>Electrochemistry</i> , 2014, 82, 462-466.	1.4	7
11	Development of a Korean roadmap for technical issue resolution for fission product behavior during severe accidents. <i>Nuclear Engineering and Technology</i> , 2017, 49, 1575-1588.	2.3	7
12	Effect of aluminum metal surface on oxidation of iodide under gamma irradiation conditions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 459-468.	1.5	6
13	Effects of temperature and solution composition on evaporation of iodine as a part of estimating volatility of iodine under gamma irradiation. <i>Nuclear Engineering and Technology</i> , 2017, 49, 1689-1695.	2.3	6
14	Formation of CH <sub>3</sub> I in a NaI and methyl alkyl ketone solution under gamma irradiation conditions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 1329-1335.	1.5	6
15	Concentration Determination of Volatile Molecular Iodine and Methyl Iodide. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 824-828.	1.9	6
16	Roles of adsorbed OH and adsorbed H in the oxidation of hydrogen and the reduction of UO <sub>2</sub> <sup>2+</sup> ions at Pt electrodes under non-conventional conditions. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 905-912.	2.9	5
17	Spectroscopic Studies of Lanthanides Ion in High-Temperature Molten Salt. <i>Applied Spectroscopy Reviews</i> , 2015, 50, 654-669.	6.7	5
18	A Study on Pitting Corrosion of Sensitized 316 Stainless Steel in Aqueous 0.01 M NaCl Solution Using the Abrading Electrode Technique and Ac-Impedance Spectroscopy. <i>Materials Science Forum</i> , 1998, 289-292, 915-924.	0.3	4

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19	Effect of pH, temperature, and H <sub>2</sub> O <sub>2</sub> on the electrochemical oxidation behavior of iron in perchlorate solutions. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 333-339.	2.5	4
20	Effect of water-droplet sizes and radiation-field exposure on the transfer of I <sub>2</sub> and CH <sub>3</sub> I gases adsorbed in water. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 667-673.	1.5	4
21	Potential Correction Technique for Ag/AgCl Reference Electrode Using UV/VIS Absorbance of Internal Electrolyte. <i>Journal of the Electrochemical Society</i> , 2012, 159, J83-J87.	2.9	3
22	Volatility of radioactive iodine under gamma irradiation: effects of H <sub>2</sub> O <sub>2</sub> and NaOH on the decomposition rate of volatile molecular iodine dissolved in aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 1267-1272.	1.5	3
23	Change in the pH of NaI and methyl alkyl ketone solutions under gamma irradiation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 326, 121-127.	1.5	3
24	Accuracy analysis on concentration determination of molecular iodine in gamma irradiated solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 469-473.	1.5	3
25	Adsorption of Carboxymethylated Polyethyleneimine (CM-PEI) on a Microporous Activated Carbon. <i>Solid State Phenomena</i> , 2007, 119, 103-106.	0.3	2
26	Heterogeneous Photocatalytic Degradation of Chlorophenols over Ag-TiO <sub>2</sub> Nano Particles in an Aqueous Suspension. <i>Solid State Phenomena</i> , 2007, 124-126, 1745-1748.	0.3	2
27	Pt(IV) Adsorption Characteristics of Nanoporous Carbons Modified with Carboxymethylated Polyethyleneimine. <i>Solid State Phenomena</i> , 2007, 124-126, 1781-1784.	0.3	2
28	Comparison of the spectroscopic characteristics of uranium status when U(III) in LiCl-KCl eutectic melt is leached out with water and ionic liquid. <i>Journal of Luminescence</i> , 2018, 196, 302-305.	3.1	2
29	Concentration determination of I <sub>2</sub> and I <sup>-</sup> formed by thermal and radiolytic decomposition of NaIO <sub>3</sub> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 475-480.	1.5	2
30	Study on Nickel Ferrite Formation by Using a Simple Method to Simulate Heat Transfer Surface. <i>Solid State Phenomena</i> , 2007, 124-126, 1565-1568.	0.3	1
31	Dispersion Properties of B <sub>4</sub> C Microparticles as Emergency Neutron Absorbers in Spent-Fuel Pool Water. <i>Nuclear Science and Engineering</i> , 2012, 172, 202-207.	1.1	1
32	Mitigation of radionuclide deposition in contaminated water: effects of pH on coprecipitation of Cs(I) and Sr(II) with Fe(III) in aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 1261-1266.	1.5	1
33	Preparation and Cu(II) Complexation Characteristics of Carboxymethylated Polyethyleneimine (CM-PEI) / Microporous Activated Carbon Composite. <i>Solid State Phenomena</i> , 2007, 119, 303-306.	0.3	0
34	Introduction of 6th Asian-Pacific Symposium on Radiochemistry (APSORC17). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 885-887.	1.5	0
35	Investigation of the iodine species on platinum catalyst used as hydrogen oxidation. <i>International Journal of Energy Research</i> , 2020, 44, 8221-8228.	4.5	0