

# Yoshito Wakui

## List of Publications by Year in descending order

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37  
papers

1,170  
citations

516710

16  
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377865

34  
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all docs

37  
docs citations

37  
times ranked

863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrometallurgical process for recovery of metal values from spent nickel-metal hydride secondary batteries. Hydrometallurgy, 1998, 50, 61-75.	4.3	194
2	Preparation of palladium and silver alloy membrane on a porous $\gamma$ -alumina tube via simultaneous electroless plating. Journal of Membrane Science, 2005, 247, 21-27.	8.2	134
3	Recovery of metal values from spent nickel-metal hydride rechargeable batteries. Journal of Power Sources, 1999, 77, 116-122.	7.8	131
4	Hydrogen permeability study of the thin Pd-Ag alloy membranes in the temperature range across the $\gamma$ - $\delta$ phase transition. Journal of Membrane Science, 2006, 282, 370-374.	8.2	128
5	Fabrication of Hydrogen-Permeable Composite Membranes Packed with Palladium Nanoparticles. Advanced Materials, 2006, 18, 630-632.	21.0	83
6	Extraction of rare earth elements with 2-ethylhexyl hydrogen 2-ethylhexyl phosphonate impregnated resins having different morphology and reagent content. Reactive and Functional Polymers, 2001, 49, 189-195.	4.1	65
7	Preparation of $\gamma$ -alumina-filled Pd-YSZ-Al <sub>2</sub> O <sub>3</sub> composite membrane supported on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> tube for hydrogen separation. Journal of Membrane Science, 2008, 320, 436-441.	8.2	56
8	Distribution of Rare Earth Elements between (2-Ethylhexyl Hydrogen) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (2-Ethylhexylphosphonate) Impregnated Resin. Journal of Membrane Science, 2009, 335, 325-327.	1.6	49
9	Importance of the support material in thin palladium composite membranes for steady hydrogen permeation at elevated temperatures. Physical Chemistry Chemical Physics, 2009, 11, 8632.	2.8	43
10	Selective Recovery of Trace Scandium from Acid Aqueous Solution with (2-Ethylhexyl hydrogen) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 384 Td. Journal of Membrane Science, 2009, 335, 325-327.	1.6	34
11	Preparation and characterization of nanocrystalline ITO thin films on glass and clay substrates by ion-beam sputter deposition method. Applied Surface Science, 2011, 257, 8923-8928.	6.1	27
12	Strong Interaction at the Palladium/Alumina Interface of Membrane during Hydrogen Permeation at Elevated Temperature. Chemistry Letters, 2008, 37, 1004-1005.	1.3	24
13	Preparation and Hydrogen Permeation Properties of Thin Pd-Au Alloy Membranes Supported on Porous $\gamma$ -Alumina Tube. Materials Transactions, 2008, 49, 449-452.	1.2	22
14	Chromatographic separation and inductively coupled plasma atomic emission spectrometric determination of the rare earth metals contained in terbium. Analytica Chimica Acta, 1992, 262, 161-166.	5.4	19
15	Development of a simplified separation process of trivalent minor actinides from fission products using novel R-BTP/SiO <sub>2</sub> -P adsorbents. Journal of Nuclear Science and Technology, 2012, 49, 334-342.	1.3	18
16	Extraction of Arsenic(III) with Macroporous Resin Impregnated with Bis(2-ethylhexyl)ammonium Bis(2-ethylhexyl)-dithiocarbamate. Analytical Sciences, 1998, 14, 299-303.	1.6	16
17	Evaluation Study on Properties of a Novel R-BTP Extraction Resin-From a Viewpoint of Simple Separation of Minor Actinides. Journal of Ion Exchange, 2010, 21, 35-40.	0.3	16
18	Uptake and Recovery of Platinum Group Metals Ions by Alginate Microcapsules Immobilizing Cyanex 302 Emulsions. Journal of Nuclear Science and Technology, 2002, 39, 1008-1012.	1.3	14

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19	Influence of CO <sub>2</sub> and H <sub>2</sub> O on the separation of hydrogen over two types of Pd membranes: Thin metal membrane and pore-filling-type membrane. <i>Journal of Membrane Science</i> , 2012, 415-416, 85-92.	8.2	13
20	Solvent Extraction of Arsenic(V) with Dispersed Ultrafine Magnetite Particles.. <i>Analytical Sciences</i> , 2002, 18, 793-798.	1.6	10
21	Rapid Adsorption of Rh(III) by Polyamine-functionalized Cellulose Fiber Combined with Microwave Irradiation. <i>Chemistry Letters</i> , 2010, 39, 1317-1318.	1.3	10
22	Separation and Enrichment of Arsenic(V) with Composite Resin Beads Containing Magnetite Crystals. <i>Analytical Sciences</i> , 2005, 21, 433-435.	1.6	9
23	Properties of Indium Tin Oxide Thin Films Deposited on Glass and Clay Substrates by Ion-Beam Sputter Deposition Method. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AK03.	1.5	7
24	Adsorption of Pd(II), Pt(IV), and Rh(III) on a Ligand Encapsulated Polymer Resin Assisted by Thermal Heating or Microwave Irradiation. <i>Solvent Extraction and Ion Exchange</i> , 2012, 30, 77-87.	2.0	7
25	Fluorometric Detection of p-Chlorophenol by ZnTPP-Intercalated Dialkyl Ammonium Smectite. <i>Chemistry Letters</i> , 2002, 31, 776-777.	1.3	6
26	Supercritical Water Decomposition of Polyethylene Samples for the Determination of Their Trace Cadmium Content. <i>Analytical Sciences</i> , 2006, 22, 1461-1463.	1.6	5
27	Visual Detection of Arsenic Using Hydride Generation Followed by Reaction with Silver Bis(2-ethylhexyl)dithiocarbamate Retained in a Support Filter. <i>Analytical Sciences</i> , 2014, 30, 683-686.	1.6	5
28	Stability Constants of Some Bivalent Metal Chelates of 3-Aryl-2,4-pentanedione in 75% v/v 1,4-Dioxane-Water Medium. <i>Bulletin of the Chemical Society of Japan</i> , 1984, 57, 3125-3129.	3.2	4
29	Direct O <sub>2</sub> Epoxidation of Propylene by the Membrane Reactor Loaded with Ag-Sr Catalyst. <i>Chemistry Letters</i> , 2007, 36, 1170-1171.	1.3	4
30	Preparation and characterization of epitaxial growth of ZnO nanopillar arrays by hydrothermal method. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 64-67.	9.4	4
31	Solvent Effect on the Liquid-Liquid Partition of 21H,23H-Porphine between Various Organic Solvents and Acidic Aqueous Solutions. <i>Bulletin of the Chemical Society of Japan</i> , 1989, 62, 2520-2523.	3.2	3
32	Solvent Extraction of Lanthanide(III) with 1,3-Benzenedimethylbis(phenylphosphinic acid).. <i>Analytical Sciences</i> , 1998, 14, 819-821.	1.6	3
33	Partition Coefficient of 21H,23H-Porphine and Its Metal(II) Complexes between Heptane and Nonaqueous Polar Solvents. <i>Bulletin of the Chemical Society of Japan</i> , 1991, 64, 2024-2026.	3.2	2
34	Chromatographic Separation of Niobium and Tantalum in a Hydrofluoric Acid-Hydrochloric Acid System with Macroporous Polyacrylate Resin Beads.. <i>Analytical Sciences</i> , 1995, 11, 23-27.	1.6	2
35	Preparation of 2-(5-Bromo-2-pyridylazo)-5-diethylaminophenol Nanoparticle-coated Test Strip and Its Application to Detection of Trace Cadmium(II) by Immersion Test. <i>Bunseki Kagaku</i> , 2012, 61, 229-234.	0.2	2
36	Pd membrane with low metal content for hydrogen separation and a catalytic membrane reactor combined with a microwave heating system. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 221-224.	0.2	1

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37	Visual Detection of Selenium(IV) Using a Gallium(III) Complex Retained in a Support Filter. Bunseki Kagaku, 2022, 71, 77-82.	0.2	0