

Masayuki Itagaki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In situ electrochemical impedance spectroscopy to investigate negative electrode of lithium-ion rechargeable batteries. Journal of Power Sources, 2004, 135, 255-261.	7.8	127
2	LiCoO ₂ electrode/electrolyte interface of Li-ion rechargeable batteries investigated by in situ electrochemical impedance spectroscopy. Journal of Power Sources, 2005, 148, 78-84.	7.8	105
3	In-situ EIS to determine impedance spectra of lithium-ion rechargeable batteries during charge and discharge cycle. Journal of Electroanalytical Chemistry, 2015, 737, 78-84.	3.8	94
4	Optimization of reference electrode position in a three-electrode cell for impedance measurements in lithium-ion rechargeable battery by finite element method. Journal of Power Sources, 2015, 288, 168-175.	7.8	72
5	Electrochemical impedance analysis on positive electrode in lithium-ion battery with galvanostatic control. Journal of Power Sources, 2021, 507, 230258.	7.8	26
6	Non-Contact Measurement to Detect Steel Rebar Corrosion in Reinforced Concrete by Electrochemical Impedance Spectroscopy. Journal of the Electrochemical Society, 2019, 166, C3316-C3319.	2.9	22
7	Analysis on organic film degradation by dynamic impedance measurements. Corrosion Science, 2006, 48, 3802-3811.	6.6	16
8	Determination of Electrochemical Impedance for Electrode Reaction without Time Stability. Electrochemistry, 2000, 68, 596-601.	1.4	15
9	Effects of Masking Agents on the Separation of Copper(II) from Iron(III) by Continuous Solvent Extraction with 8-Hydroxyquinoline.. Analytical Sciences, 2001, 17, 671-674.	1.6	13
10	Chemiluminescence determination of cobalt(II) with 1,10-phenanthroline in presence of surfactants.. Bunseki Kagaku, 1996, 45, 897-902.	0.2	9
11	Determination of zinc (II) using the micellar enhanced chemiluminescence of 1,10-phenanthroline.. Bunseki Kagaku, 1999, 48, 705-710.	0.2	9
12	Fluorometric determination of trace amounts of copper(II) using on-line adsorption preconcentration in Teflon capillary tubes.. Bunseki Kagaku, 1998, 47, 179-185.	0.2	8
13	Chemiluminescence determination of Iron(III) with 1,10-phenanthroline.. Bunseki Kagaku, 1996, 45, 407-413.	0.2	7
14	Analysis of Pyrene Fluorescence Emission by Fast Fourier Transformation.. Analytical Sciences, 1997, 13, 991-996.	1.6	7
15	The adsorption of metal ions to the inner surface of a Teflon tube and its inhibition effect for FIA.. Bunseki Kagaku, 2001, 50, 509-513.	0.2	7
16	Analysis of Active Dissolution of Copper in Acidic Solution by EQCM/Wall Jet Split Ring Disk Electrode. Electrochemistry, 2000, 68, 684-688.	1.4	7
17	Determination of fluorescence lifetime with transfer function processed by fast Fourier transformation.. Bunseki Kagaku, 1994, 43, 1143-1148.	0.2	6
18	Application of Electrochemical Impedance Spectroscopy to Analysis of Solvent Extraction Mechanism of Mn(II)-8-Hydroxyquinoline System.. Analytical Sciences, 1999, 15, 1219-1225.	1.6	6

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19	Fluorescence properties of aluminium(III)-Lumogallion complex in nonionic surfactant micelle.. Bunseki Kagaku, 1996, 45, 845-850.	0.2	5
20	Fluorometric determination of gallium with 2,2'-bipyridyl.. Bunseki Kagaku, 1997, 46, 387-390.	0.2	5
21	Fluorometric determination of a trace amount of cerium based on the Teflon-tube on-line adsorption concentration.. Bunseki Kagaku, 1998, 47, 273-279.	0.2	5
22	UV/vis Spectrophotometry/Channel Flow Electrode to Determine Anodic Dissolution of Metal.. Analytical Sciences, 2000, 16, 371-375.	1.6	5
23	Electrochemiluminescence of Luminol Investigated by Electrochemical Impedance Spectroscopy. Electrochemistry, 2001, 69, 104-108.	1.4	5
24	Fluorometric determination of manganese(II) by the catalytic oxidation of 2,3-dihydroxynaphthalene in the presence of ethylenediamine and hydrogen peroxide.. Bunseki Kagaku, 1995, 44, 933-938.	0.2	4
25	Extraction-separation of thallium (I) and thallium (III) under pseudo three-phase equilibrium in the presence of heavy metals.. Bunseki Kagaku, 2000, 49, 691-697.	0.2	4
26	Effect of the indicator concentration on the sensitivity of a catalytic kinetic determination based on the azo-compounds decomposition reaction.. Bunseki Kagaku, 1999, 48, 659-667.	0.2	3
27	EQCM/Wall Jet Split-Ring Disk Electrode Study on Copper Dissolution in Chloride Aqueous Solution.. Analytical Sciences, 2000, 16, 1049-1053.	1.6	3
28	Influence of liquid-liquid interface on back-extraction kinetics of Cu(II), Mn(II) and Ni(II)-1-(pyridylazo)-2-naphthol complexes under high speed stirring.. Bunseki Kagaku, 1996, 45, 851-857.	0.2	2
29	Fluorometric determination of lanthanum(III) with 2-hydroxy-5-methylbenzaldehyde semicarbazone and the substituent effect on fluorescence intensity.. Bunseki Kagaku, 1996, 45, 947-953.	0.2	2
30	The extraction-separation of zinc(II) and cadmium(II) under pseudo three-phase equilibrium using filter-paper phase separator.. Bunseki Kagaku, 1997, 46, 645-651.	0.2	2
31	Electrochemiluminescence of N-(4-Aminobutyl)-N-ethylisoluminol Investigated by Electrochemical Impedance Spectroscopy.. Analytical Sciences, 1999, 15, 755-760.	1.6	2
32	Fluorescence properties of the Al(III)-8-hydroxyquinoline complex in a surfactant micelle containing 3,5-dichlorophenol.. Bunseki Kagaku, 1999, 48, 789-792.	0.2	2
33	Impedance Responses of Molybdenum at Transpassive Dissolution Potentials in Alkaline Aqueous Solution. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1995, 59, 827-832.	0.4	2
34	Electrochemical Impedance Spectroscopy Study on Anodic Dissolution of Fe-Ni Alloy in Sulfuric Acid Solution. Electrochemistry, 1999, 67, 960-967.	1.4	2
35	Solvent Extraction Mechanism of Co(II)-8-hydroxyquinoline Complex Investigated by Electrochemical Impedance Spectroscopy. Electrochemistry, 2000, 68, 702-708.	1.4	2
36	Transient Analysis by Channel Flow Triple Electrode. Electrochemistry, 2000, 68, 273-276.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Determination of beryllium in aluminium metals with 2-hydroxy-1-naphthal-dehyde and methylamine by flow injection fluorometry.. Bunseki Kagaku, 1995, 44, 633-639.	0.2	1
38	Analysis of two-component fluorescence lifetimes by fast Fourier transformation.. Bunseki Kagaku, 1995, 44, 483-489.	0.2	1
39	Continuous extraction of vanadium(V) and iron(III) with acetylacetone under high-speed stirring with Teflon phase separator.. Bunseki Kagaku, 1995, 44, 401-404.	0.2	1
40	Continuous extraction of nickel(II) in the presence of cobalt(II) with 8-quinolinol by a Teflon phase separator.. Bunseki Kagaku, 1997, 46, 297-300.	0.2	1
41	Electrochemical Chaos during Copper Dissolution in Acidic Solution Containing 0.1 kmol/m ³ ; NaCl and Its Reaction Model. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1997, 61, 1220-1227.	0.4	1
42	Fluorescence properties of the Ga(III)-bipyridyl complex in aqueous solution.. Bunseki Kagaku, 1998, 47, 605-612.	0.2	1
43	Fluorometric flow injection determination of average copper valence in yttrium system superconductor using micro-amounts of sample.. Bunseki Kagaku, 1996, 45, 341-346.	0.2	0
44	Spectrophotometric determination of the average valence of cerium in Nd-Ce-Cu oxides with o-tolidine.. Bunseki Kagaku, 1998, 47, 171-177.	0.2	0