

Toshiaki Asakai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Evaluation of certified reference materials for oxidation–reduction titration by precise coulometric titration and volumetric analysis. <i>Analytica Chimica Acta</i> , 2006, 567, 269-276.	5.4	21
2	Investigation of iodine liberation process in redox titration of potassium iodate with sodium thiosulfate. <i>Analytica Chimica Acta</i> , 2011, 689, 34-38.	5.4	19
3	Precise coulometric titration of sodium thiosulfate and development of potassium iodate as a redox standard. <i>Talanta</i> , 2007, 73, 346-351.	5.5	17
4	Investigation on drying conditions and assays of amidosulfuric acid and sodium carbonate by acidimetric coulometric titration and gravimetric titration. <i>Accreditation and Quality Assurance</i> , 2010, 15, 391-399.	0.8	16
5	Certification of water content in NMIJ CRM 4222-a, water standard solution 0.1 mg g ⁻¹ , by coulometric and volumetric Karl Fischer titration. <i>Analytical Methods</i> , 2014, 6, 2785-2790.	2.7	16
6	Comparison of three electrochemical end-point detection methods to assay potassium dichromate by coulometric titration. <i>Accreditation and Quality Assurance</i> , 2012, 17, 45-52.	0.8	14
7	Influence of AgCl Precipitates on the Precipitation Titration of Sodium Chloride by Constant-Current Coulometry. <i>Analytical Sciences</i> , 2006, 22, 1121-1124.	1.6	11
8	Reliability in standardization of sodium thiosulfate with potassium dichromate. <i>Microchemical Journal</i> , 2015, 123, 9-14.	4.5	11
9	New Japanese certified reference materials for electrolytic conductivity measurements. <i>Accreditation and Quality Assurance</i> , 2017, 22, 73-81.	0.8	11
10	Scheme and studies of reference materials for volumetric analysis in Japan. <i>Accreditation and Quality Assurance</i> , 2008, 13, 351-360.	0.8	10
11	Potassium bromate assay by primary methods through iodine liberation reaction. <i>Analytical Methods</i> , 2013, 5, 6240.	2.7	10
12	Precise coulometric titration of cerium(IV) as an oxidising agent with electrogenerated iron(II) and reliability in cerium(IV) standardisation with sodium thiosulfate. <i>Analytical Methods</i> , 2012, 4, 3478.	2.7	9
13	Chlorate ion standard solution established by multipath titration techniques. <i>Microchemical Journal</i> , 2018, 142, 9-16.	4.5	9
14	Investigation of the Drying Conditions for Amidosulfuric Acid. <i>Analytical Sciences</i> , 2006, 22, 461-463.	1.6	7
15	Determination of the purity of acidimetric standards by constant-current coulometry, and the intercomparison between CRMs. <i>Accreditation and Quality Assurance</i> , 2007, 12, 151-155.	0.8	7
16	Certified reference material for ammonium ions in high-purity ammonium chloride: Influence of pH on coulometric titration of ammonium ions with electrogenerated hypobromite. <i>Microchemical Journal</i> , 2014, 114, 203-209.	4.5	7
17	Perchlorate ion standard solution: multipath titrimetric approach using three different stoichiometric reactions towards the establishment of SI traceable chemical standards. <i>Metrologia</i> , 2020, 57, 035005.	1.2	7
18	Assay of high-purity sodium oxalate traceable to the international system of units by coulometric titration and gravimetric titration. <i>Microchemical Journal</i> , 2013, 108, 24-31.	4.5	6

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19	Final report of key comparison CCQM - K105 'Electrolytic conductivity at 5.3 S·m ⁻¹ '. Metrologia, 2014, 51, 08016-08016.	1.2	6
20	Controlling Packing Structure of Hydrophobic Alkyl Tails of Monolayered Films of Ion-Paired Macrocyclic Amphiphiles as Studied by Sum-Frequency Generation Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 3855-3859.	2.6	5
21	Temporal stability of standard potentials of silver-silver chloride reference electrodes. Accreditation and Quality Assurance, 2012, 17, 529-533.	0.8	5
22	SI traceable assay of periodate compounds. Accreditation and Quality Assurance, 2014, 19, 105-109.	0.8	5
23	Evaluation of the Stability of Iron(II) Solutions by Precise Coulometric Titration with Electrogenerated Cerium(IV). Analytical Sciences, 2012, 28, 601-605.	1.6	4
24	Final report on key comparison CCQM-K73: Amount content of H ⁺ in hydrochloric acid (0.1 mol kg ⁻¹). Metrologia, 2013, 50, 08001-08001.	1.2	4
25	International comparison on Ag AgCl electrodes for pH measurement. Measurement: Journal of the International Measurement Confederation, 2015, 66, 131-138.	5.0	4
26	Final report of the key comparison APMP.QM-K91: APMP comparison on pH measurement of phthalate buffer. Metrologia, 2017, 54, 08002-08002.	1.2	4
27	Report of the CCQM-K152. Assay of potassium iodate. Metrologia, 2020, 58, 08005.	1.2	4
28	Characterization of oxyanions of chlorine by multipath titrimetric approach for drinking water quality control. Journal of Physics: Conference Series, 2022, 2192, 012015.	0.4	4
29	Investigation of Drying Conditions for High-Purity Sodium Carbonate. Bunseki Kagaku, 2008, 57, 49-53.	0.2	3
30	High-throughput and precise measurement method for electrolytic conductivity in a higher conductivity range (10 S·m ⁻¹ to 0.1 S·m ⁻¹) by chromatography system with conductivity detector. Microchemical Journal, 2018, 143, 312-318.	4.5	3
31	Characterization of water in methylcyclohexane as a certified reference material for determination of trace water content in liquids. Metrologia, 2019, 56, 034004.	1.2	3
32	Final report on CCQM-K91: Key comparison on pH of an unknown phthalate buffer. Metrologia, 2013, 50, 08016-08016.	1.2	2
33	Nitrogen content of amidosulfuric acid assayed by coulometric titration with electrogenerated hypobromite ions: establishment of SI traceability of nitrogen involving amidosulfuric acid, ammonium chloride and sodium chloride. Metrologia, 2019, 56, 044003.	1.2	1
34	Consideration in potential titration paths to assay osmium compounds: toward the establishment of the mono-elemental standard solution. Accreditation and Quality Assurance, 2020, 25, 293-302.	0.8	1
35	Reliability in Standardization of Iron(III) and Titanium(III) Solutions in Volumetric Analysis. ACS Omega, 2021, 6, 21147-21152.	3.5	1
36	Electrolytic conductivity at 0.5 S·m ⁻¹ and 5 mS·m ⁻¹ . Metrologia, 2017, 54, 08032-08032.	1.2	1

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37	Final report on APMP.QM-K18.2016 key comparison on pH measurement of carbonate buffer. Metrologia, 2020, 58, 08003.	1.2	1
38	Final report on CCQM-K19.2018 key comparison on pH of an unknown borate buffer. Metrologia, 2021, 58, 08020.	1.2	1
39	Feasible stoichiometric reactions for SI traceable bromate assays. Accreditation and Quality Assurance, 0, , .	0.8	1
40	Applicable Measuring Range of Two-Electrode Type Commercial Electrolytic Conductivity Meter for Accurate Determination of Electrolytic Conductivity. Journal of Chemistry, 2022, 2022, 1-6.	1.9	1
41	Report of the key comparison APMP.QM-K19. APMP comparison on pH measurement of borate buffer. Metrologia, 2015, 52, 08003-08003.	1.2	0
42	Key comparison on pH of an unknown phosphate buffer. Metrologia, 2016, 53, 08007-08007.	1.2	0