

Sahori Takeda

List of Publications by Year in descending order

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59
papers

1,238
citations

304743

22
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, thermal and mechanical properties and biodegradation of branched polyamide 4. <i>Polymer</i> , 2005, 46, 9987-9993.	3.8	98
2	Simultaneous determination of nitrate and nitrite in biological fluids by capillary electrophoresis and preliminary study on their determination by microchip capillary electrophoresis. <i>Journal of Chromatography A</i> , 2004, 1051, 185-191.	3.7	67
3	Migration behavior of phthalate esters in micellar electrokinetic chromatography with or without added methanol. <i>Analytical Chemistry</i> , 1993, 65, 2489-2492.	6.5	65
4	Simultaneous determination of iodide and iodate in seawater by transient isotachopheresis capillary zone electrophoresis with artificial seawater as the background electrolyte. <i>Journal of Chromatography A</i> , 2004, 1035, 145-150.	3.7	56
5	Production of 2-Pyrrolidone from Biobased Glutamate by Using <i>Escherichia coli</i> . <i>Journal of Polymers and the Environment</i> , 2013, 21, 528-533.	5.0	50
6	Determination of bromide ions in seawater by capillary zone electrophoresis using diluted artificial seawater as the buffer solution. <i>Journal of Chromatography A</i> , 1998, 802, 211-217.	3.7	44
7	Effects of p-substituents on electrochemical CO oxidation by Rh porphyrin-based catalysts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8968-8976.	2.8	43
8	Determination of nitrite and nitrate in a proposed certified reference material for nutrients in seawater by capillary zone electrophoresis with artificial seawater as the background electrolyte using transient isotachopheresis. <i>Electrophoresis</i> , 2002, 23, 1928.	2.4	40
9	Simultaneous separation and on-line concentration of amitrole and benzimidazole pesticides by capillary electrophoresis with a volatile migration buffer applicable to mass spectrometric detection. <i>Journal of Chromatography A</i> , 2004, 1051, 297-301.	3.7	40
10	Improvement of capillary zone electrophoresis sensitivity with artificial seawater as the background electrolyte utilizing transient isotachopheresis for the determination of nitrite and nitrate ions in seawater. <i>Electrophoresis</i> , 2000, 21, 2866-2871.	2.4	39
11	Development of a novel running buffer for the simultaneous determination of nitrate and nitrite in human serum by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2003, 1014, 197-202.	3.7	37
12	Simultaneous determination of nitrate and nitrite ions in seawater by capillary zone electrophoresis using artificial seawater as the carrier solution. <i>Journal of Chromatography A</i> , 1999, 838, 303-311.	3.7	35
13	Ionization of dichlorophenols for their analysis by capillary electrophoresis mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 924, 415-420.	3.7	31
14	Identification and formation mechanism of individual degradation products in lithium-ion batteries studied by liquid chromatography/electrospray ionization mass spectrometry and atmospheric solid analysis probe mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1754-1762.	1.5	31
15	Capillary zone electrophoretic determination of iodide in seawater using transient isotachopheresis with artificial seawater as the background electrolyte. <i>Electrophoresis</i> , 2003, 24, 2244-2251.	2.4	28
16	On-chip micellar electrokinetic chromatographic separation of phenolic chemicals in waters. <i>Journal of Chromatography A</i> , 2006, 1109, 179-182.	3.7	28
17	Separation of aniline derivatives by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1993, 653, 109-114.	3.7	27
18	High-throughput nitric oxide assay in biological fluids using microchip capillary electrophoresis. <i>Journal of Chromatography A</i> , 2006, 1109, 174-178.	3.7	27

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19	Electrochemical oxidation of sugars at moderate potentials catalyzed by Rh porphyrins. <i>Chemical Communications</i> , 2010, 46, 3607.	4.1	27
20	Analysis of lower aliphatic aldehydes in water by micellar electrokinetic chromatography with derivatization to 2,4-dinitrophenylhydrazones. <i>Electrophoresis</i> , 1994, 15, 1332-1334.	2.4	26
21	Effect of alkyl chain length of sodium N-acyl sarcosinates on migration behavior in micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1996, 744, 135-139.	3.7	24
22	High-throughput characterization for organic pollutants in environmental waters using a capillary electrophoresis chip. <i>Electrophoresis</i> , 2001, 22, 3505-3508.	2.4	23
23	Separation and on-line concentration of bisphenol A and alkylphenols by micellar electrokinetic chromatography with anionic surfactant. <i>Journal of Chromatography A</i> , 2003, 1014, 103-107.	3.7	23
24	Simultaneous determination of bromide, nitrite and nitrate ions in seawater by capillary zone electrophoresis using artificial seawater as the carrier solution. <i>Electrophoresis</i> , 2000, 21, 388-395.	2.4	22
25	Optimum conditions for effective use of the terminating ion in transient isotachopheresis for capillary zone electrophoretic determination of nitrite and nitrate in seawater, with artificial seawater as background electrolyte. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1165-1169.	3.7	22
26	Separation of bisphenol A and three alkylphenols by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2000, 895, 213-218.	3.7	21
27	CO Electro-oxidation by Rh Disulfo-deuteroporphyrin, and Its Mitigation Effect on CO Poisoning of PEMFC Anode. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, B23.	2.2	19
28	Separation and on-line concentration of bisphenol A and alkylphenols by micellar electrokinetic chromatography with cationic surfactant. <i>Journal of Chromatography A</i> , 2002, 979, 425-429.	3.7	18
29	Analysis of dyestuff degradation products by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 853, 503-509.	3.7	17
30	Effect of the polar groups of anionic surfactant on migration behavior in micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1997, 781, 11-16.	3.7	16
31	Determination of phosphate in seawater by CZE with on-line transient ITP. <i>Electrophoresis</i> , 2007, 28, 3447-3452.	2.4	15
32	Stress-Free Pathway for Ion Transport in the Separator Membrane of Lithium Secondary Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18311-18315.	3.1	15
33	Synthesis of an azo macromolecular initiator composed of polyamide 4 and its initiation activity for the radical polymerization of vinyl monomers. <i>Journal of Applied Polymer Science</i> , 2012, 126, E425.	2.6	14
34	Factors Determining Ionic Mobility in Ion Migration Pathways of Polypropylene (PP) Separator for Lithium Secondary Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21888-21895.	3.1	14
35	Effect of the Morphological Features of the Poly(vinylidene difluoride)-Based Gel Electrolytes on the Ionic Mobility for Lithium Secondary Batteries. <i>Macromolecules</i> , 2019, 52, 2112-2119.	4.8	14
36	An approach of evaluating the effect of vinylene carbonate additive on graphite anode for lithium ion battery at elevated temperature. <i>Electrochemistry Communications</i> , 2015, 61, 70-73.	4.7	13

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37	Understanding the Improved High-Temperature Cycling Stability of a LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ /Graphite Cell with Vinylene Carbonate: A Comprehensive Analysis Approach Utilizing LC-MS and DART-MS. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5864-5870.	3.1	13
38	Use of several anionic surfactants for the separation of aniline derivatives in micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1998, 817, 59-63.	3.7	11
39	A Selective Interaction between Cation and Separator Membrane in Lithium Secondary Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23926-23930.	3.1	9
40	ANALYSIS OF ENVIRONMENTAL POLLUTANTS BY MICELLAR ELECTROKINETIC CHROMATOGRAPHY. <i>Analytical Sciences</i> , 1991, 7, 1113-1114.	1.6	8
41	ANALYSIS OF ENVIRONMENTAL POLLUTANTS BY MICELLAR ELECTROKINETIC CHROMATOGRAPHY. <i>Analytical Sciences</i> , 1991, 7, 1109-1110.	1.6	7
42	Determination of Phosphate in Seawater by Transient Isotachopheresis/Capillary Zone Electrophoresis with Suppressed Electroosmotic Flow. <i>Bunseki Kagaku</i> , 2006, 55, 627-634.	0.2	7
43	Rapid determination of 4-aminobutyric acid and L -glutamic acid in biological decarboxylation process by capillary electrophoresis-mass spectrometry. <i>Journal of Separation Science</i> , 2012, 35, 286-291.	2.5	6
44	Formation of thermally resistant films induced by vinylene carbonate additive on a hard carbon anode for lithium ion batteries at elevated temperature. <i>RSC Advances</i> , 2016, 6, 75777-75781.	3.6	6
45	Effect of Cross-Sectional Shape of Pathway on Ion Migration in Polyethylene Separators for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1827-1835.	3.1	6
46	New Developments in Capillary Electrophoresis. Application of Capillary Electrophoresis to Quantitative Analysis and Characterization. <i>Capillary gel electrophoresis for characterization of dissolved organic substances in environmental waters.. Bunseki Kagaku</i> , 1997, 46, 483-490.	0.2	5
47	Determination of Ammonium Cations and Alkali and Alkaline Earth Metal Cations in Jellyfish by Capillary Zone Electrophoresis. <i>Analytical Sciences</i> , 2006, 22, 1129-1133.	1.6	4
48	Electrospray ionization mass spectrometric analyses of rhodium tetraphenylporphyrin complexes as electrocatalysts for CO oxidation by tandem mass spectrometry and hyphenated method with capillary electrophoresis. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2341-2351.	1.5	4
49	Restricted Diffusion of Lithium Ions in Lithium Secondary Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25712-25720.	3.1	4
50	Controlling Gel Morphology for Enhancing the Cation Mobility of Poly(vinylidene difluoride)-Based Gel Electrolytes for Lithium Secondary Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14082-14088.	3.1	4
51	Analysis of hazardous chemicals by capillary electrophoresis.. <i>Bunseki Kagaku</i> , 2001, 50, 721-731.	0.2	3
52	Determination of adrenal steroids by microfluidic chip using micellar electrokinetic chromatography. <i>Environmental Monitoring and Assessment</i> , 2009, 153, 201-208.	2.7	3
53	Effect of the Stretching Process of Polyethylene Separators on Rate Capability of Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12496-12503.	3.1	3
54	Analytical Chemistry for Environmental and Human Health. Separation of structural isomers of chlorinated phenols by capillary electrophoresis with a volatile running solution.. <i>Bunseki Kagaku</i> , 2000, 49, 471-474.	0.2	2

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55	Investigation of Ionic Components in the Solution of Treated Fuel Cell Membrane by Capillary Electrophoresis/Mass Spectrometry. Bunseki Kagaku, 2006, 55, 263-267.	0.2	2
56	Fabrication of Electrophoretic PDMS/PDMS Lab-on-a-chip Integrated with Au Thin-Film Based Amperometric Detection for Phenolic Chemicals. , 2009, , 275-284.		1
57	Decomposition of dye by wet oxidation with platinum catalysts.. Journal of Environmental Conservation Engineering, 1995, 24, 517-522.	0.1	1
58	MATRIX MECHANISMS OF URUSHI MATRIX ISFETS. Analytical Sciences, 1991, 7, 807-808.	1.6	0
59	Correction: Effects of p-substituents on electrochemical CO oxidation by Rh porphyrin-based catalysts. Physical Chemistry Chemical Physics, 2016, 18, 12375-12375.	2.8	0