Yanbei Zhu

List of Publications by Year
in descending order

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99	2,545	293460	223390
papers	citations	24 h-index	49 g-index

105	105	105	3805
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development and Co-Validation of a Certified Reference Material (NMIJ CRM 7204-A) for the Analysis of Trace Elements in Seawater Sample. Bulletin of the Chemical Society of Japan, 2022, 95, 208-215.	2.0	0
2	Direct determination of rare earth elements in natural water samples by inductively coupled plasma tandem quadrupole mass spectrometry with oxygen as the reaction gas for separating spectral interferences. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 179, 106100.	1.5	14
3	Study on the Formation Process of Oxide Ion and the Influence of Carbon Matrix in Inductively Coupled Plasma Mass Spectrometry Using 18O-Labeled Arsenous Acid. Bulletin of the Chemical Society of Japan, 2021, 94, 1637-1644.	2.0	0
4	Temporal characterization of fundamental plasma parameters in pulsed liquid electrode plasma (LEP) optical emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 179, 106089.	1.5	4
5	Trends and Advances in Inductively Coupled Plasma Tandem Quadruple Mass Spectrometry (ICP-QMS/QMS) With Reaction Cell. Atomic Spectroscopy, 2021, 42, .	0.4	10
6	Pseudo isotope dilution (PID) as an approach for correcting barium-related spectral interferences on the measurement of europium by inductively coupled plasma mass spectrometry (ICP-MS). Analytica Chimica Acta, 2021, 1180, 338854.	2.6	5
7	Potential Anthropogenic Pollution of High-technology Metals with a Focus on Rare Earth Elements in Environmental Water. Analytical Sciences, 2021, 37, 131-143.	0.8	7
8	Single-cell Analysis Based on ICP-MS. Analytical Sciences, 2021, 37, 1653-1654.	0.8	2
9	Determination of rare earth elements in seawater samples by inductively coupled plasma tandem quadrupole mass spectrometry after coprecipitation with magnesium hydroxide. Talanta, 2020, 209, 120536.	2.9	35
10	Calcium fluoride as a dominating matrix for quantitative analysis by laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS): A feasibility study. Analytica Chimica Acta, 2020, 1129, 24-30.	2.6	2
11	Development of a Certified Reference Material (NMIJ CRM 7202-c) for Trace Elemental Analysis of River Water. Bunseki Kagaku, 2020, 69, 11-23.	0.1	1
12	Rare earth elements distribution and geochemical behaviour in the volcanic groundwaters of Mount Vulture, southern Italy. Chemical Geology, 2020, 539, 119503.	1.4	18
13	Elemental characteristics and biogeochemical cycles of trace metals in coastal seawater around coral reefs elucidated by multi-element profiling analyses. Estuarine, Coastal and Shelf Science, 2020, 240, 106779.	0.9	3
14	Development of an Automatic pH Adjustment Instrument for the Preparation of Analytical Samples Prior to Solid Phase Extraction. Analytical Sciences, 2020, 36, 621-625.	0.8	3
15	Study on carbon-induced signal enhancement in inductively coupled plasma mass spectrometry: an approach from the spatial distribution of analyte signal intensities. Journal of Analytical Atomic Spectrometry, 2019, 34, 1865-1874.	1.6	11
16	Automatic Preparation of Calibrating Solutions for Quantitative Analysis by ICP-MS. Analytical Sciences, 2019, 35, 1295-1298.	0.8	2
17	Quantification of elemental area densities in multiple metal layers (Au/Ni/Cu) on a Cr-coated quartz glass substrate for certification of NMIJ CRM 5208-a. Analytical and Bioanalytical Chemistry, 2018, 410, 2849-2857.	1.9	4
18	Cation-mixing stabilized layered oxide cathodes for sodium-ion batteries. Science Bulletin, 2018, 63, 376-384.	4.3	75

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19	Sensitive Determination of Rb by Cool Plasma ICP-OES. Bunseki Kagaku, 2018, 67, 19-25.	0.1	1
20	Quantitative Analysis of Major and Minor Elements in Lead-free Solder Chip by LA-ICP-MS. Analytical Sciences, 2018, 34, 693-699.	0.8	3
21	Determination of Rubidium by ID-ICP-QMS/QMS with Fluoromethane as the Reaction Cell Gas to Separate Spectral Interference from Strontium. Analytical Sciences, 2018, 34, 681-685.	0.8	2
22	Applications and Uncertainty Estimation of Single Level Standard Addition Method ICP-MS for Elemental Analysis in Various Matrix. Analytical Sciences, 2018, 34, 701-710.	0.8	12
23	Classification of Chemical Elements in the Reaction Cell of ICP-MS Based on the Affinities with Sulfur, Oxygen, and Fluorine. Chemistry Letters, 2018, 47, 740-743.	0.7	4
24	Measurement of heavy metals and organo-tin in leather powder. Metrologia, 2018, 55, 08020.	0.6	2
25	Confirmation of⁴⁰Ar⁺related product ions in the octopole reaction cell of an ICP-QMS/QMS with¹⁸O₂enriched oxygen as the reaction cell gas. Journal of Analytical Atomic Spectrometry, 2017, 32, 816-821.	1.6	1
26	Electrospray ICP-MS and SPMS for the In Situ Production of Nanoparticles and Simultaneous On-line Measurements of Its Elemental Signals and Particle Sizes. Chemistry Letters, 2017, 46, 569-572.	0.7	1
27	Multi-Element Profiling Analyses of Symbiotic Zooxanthellae and Soft Tissues in a Giant Clam (Tridacna crocea) Living in the Coral Reefs and Their Intake Process of Zn and Cd. Bulletin of the Chemical Society of Japan, 2017, 90, 520-526.	2.0	3
28	Potential Anthropogenic Pollution by Eu as well as Gd Observed in River Water around Urban Area. Chemistry Letters, 2017, 46, 1327-1329.	0.7	9
29	Cold Plasma: Effective Control of Argon Emission Line Interferences on the Measurement of Rubidium by Axial-view ICP-OES. Chemistry Letters, 2017, 46, 1751-1753.	0.7	1
30	Studies on Isotope Ratio Measurement of Cl by Inductively Coupled Plasma Triple-quad Mass Spectrometry. Analytical Sciences, 2017, 33, 375-380.	0.8	8
31	Analysis of Fluorine in Drinking Water by ICP-QMS/QMS with an Octupole Reaction Cell. Analytical Sciences, 2017, 33, 1279-1280.	0.8	18
32	Simultaneous Direct Determinations of Na, Mg, K, Ca, P, and S in Biodiesel Fuel by ICP-QMS/QMS after Xylene Dilution: Development and Application of a High-throughput Method for a Homogeneity Assessment of a Candidate Reference Material. Analytical Sciences, 2017, 33, 209-215.	0.8	5
33	Development of a Certified Reference Material (NMIJ CRM 7203-a) for Elemental Analysis of Tap Water. Analytical Sciences, 2017, 33, 403-407.	0.8	5
34	Experimental Confirmation of SrF(CH₃F)₀₋₄⁺ and SrF(H₂O)(CH₃F)₀₋₃⁺ Cluster Ions Generated in the Reaction-cell of ICP-QMS/QMS. Analytical Sciences, 2017, 33, 879-881.	0.8	4
35	Report of the CCQM-K123: trace elements in biodiesel fuel. Metrologia, 2017, 54, 08008-08008.	0.6	2
36	Report of the CCQM-K124: trace elements and chromium speciation in drinking waterâ€”part A: trace elements in drinking water, part B: chromium speciation in drinking water. Metrologia, 2017, 54, 08012-08012.	0.6	4

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37	Quantitative Analysis of Trace Elements in Silicate Glass Sample by LA-ICP-QMS/QMS with an ORC: Silicon as the Matrix of Calibrating Solutions and the Internal Standard for Measurement. Analytical Sciences, 2016, 32, 1237-1243.	0.8	5
38	Solidâ€“liquid phase epitaxial growth of Li₄Ti₅O₁₂ thin film. Applied Physics Express, 2016, 9, 125501.	1.1	5
39	Understanding sodium-ion diffusion in layered P2 and P3 oxides via experiments and first-principles calculations: a bridge between crystal structure and electrochemical performance. NPG Asia Materials, 2016, 8, e266-e266.	3.8	101
40	Direct Determination of Cadmium in Seawater by Standard Addition ICP-QMS/QMS with an ORC. Analytical Sciences, 2016, 32, 1301-1305.	0.8	5
41	Accurate Characterization of Sulfur in Biodiesel Fuel Certified Reference Material. Journal of the Japan Petroleum Institute, 2016, 59, 317-321.	0.4	5
42	Assessment of technical problems in the analysis of inorganic elements in squid through proficiency testing. TrAC - Trends in Analytical Chemistry, 2016, 76, 216-226.	5.8	7
43	A Layered P2â€•and O3â€Type Composite as a Highâ€Energy Cathode for Rechargeable Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 5894-5899.	7.2	321
44	Selective encapsulation of cesium ions using the cyclic peptide moiety of surfactin: Highly efficient removal based on an aqueous giant micellar system. Colloids and Surfaces B: Biointerfaces, 2015, 134, 59-64.	2.5	17
45	Effect of Ashing Temperature on Accurate Determination of Plutonium in Soil Samples. Analytical Chemistry, 2015, 87, 5511-5515.	3.2	40
46	Final report on key comparison CCQM-K100: Analysis of copper in ethanol. Metrologia, 2014, 51, 08013-08013.	0.6	1
47	A quinone-based oligomeric lithium salt for superior Liâ€“organic batteries. Energy and Environmental Science, 2014, 7, 4077-4086.	15.6	259
48	A Highâ€Capacity, Lowâ€Cost Layered Sodium Manganese Oxide Material as Cathode for Sodiumâ€Ion Batteries. ChemSusChem, 2014, 7, 2115-2119.	3.6	93
49	Study of the lithium/nickel ions exchange in the layered LiNi0.42Mn0.42Co0.16O2 cathode material for lithium ion batteries: experimental and first-principles calculations. Energy and Environmental Science, 2014, 7, 1068.	15.6	195
50	Novel titanium-based O3-type NaTi_{0.5}Ni_{0.5}O₂as a cathode material for sodium ion batteries. Chemical Communications, 2014, 50, 457-459.	2.2	179
51	Measurement of strontium isotope ratio in nitric acid extract of peanut testa by ICP-Q-MS after removal of Rb by extraction with pure water. Talanta, 2014, 119, 596-600.	2.9	7
52	An Ultrastable Anode for Longâ€Life Roomâ€Temperature Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2014, 53, 8963-8969.	7.2	126
53	Identification of possible technical problems in determination of the major inorganic constituents of brown-rice flour by evaluating proficiency test results. Analytical and Bioanalytical Chemistry, 2013, 405, 8347-8362.	1.9	7
54	Quantitative analysis of the elements in powder samples by LA-ICP-MS with PMMA powder as the binder and Cs as the internal standard. Journal of Analytical Atomic Spectrometry, 2013, 28, 301-306.	1.6	17

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55	Characterization of a certified reference material (NMIJ CRM 8301-a) for determination of Cu in bio-ethanol. Fuel, 2013, 103, 736-741.	3.4	4
56	Development of an automatic pH-adjustment system for solid phase extraction prior to the determination of REEs in seawater by ICP-MS. Journal of Analytical Atomic Spectrometry, 2013, 28, 883.	1.6	10
57	Final report on CCQM-K89: Trace and essential elements inHerba Ecliptae. Metrologia, 2013, 50, 08003-08003.	0.6	2
58	Final report on APMP.QM-S5: Essential and toxic elements in seafood. Metrologia, 2013, 50, 08004-08004.	0.6	4
59	Development of a Certified Reference Material (NMIJ CRM 7512-a) for the Determination of Trace Elements in Milk Powder. Analytical Sciences, 2013, 29, 247-253.	0.8	9
60	Distribution of the Elements in Cotyledon, Embryonic Axis, and Testa of Peanut Seeds Obtained by ICP-MS with Microwave Acid Digestion. Analytical Sciences, 2013, 29, 1027-1033.	0.8	6
61	Determination of Sulfur in Bioethanol Certified Reference Material. Journal of the Japan Petroleum Institute, 2013, 56, 171-175.	0.4	6
62	Relative Enrichment of Mo in the Radicle of Peanut Seed (Arachis hypogaea), Observed by Multi-elemental Imagining with LA-ICP-MS. Analytical Sciences, 2012, 28, 1121-1124.	0.8	11
63	Solid Phase Extraction Using a Sulfoxide Adsorbent for Preconcentration and Separation of Hg(II) in Natural Water Followed by ICP-MS Measurements. Analytical Sciences, 2012, 28, 417-417.	0.8	3
64	Development of a Certified Reference Material (NMIJ CRM 7531-a) for the Determination of Trace Cadmium and Other Elements in Brown Rice Flour. Analytical Sciences, 2012, 28, 1171-1177.	0.8	12
65	Determination of cadmium in food samples by ID-ICP-MS with solid phase extraction for eliminating spectral-interferences. Talanta, 2012, 90, 57-62.	2.9	28
66	Internal standard method coupled with a gravimetric standard addition method for elemental measurements by ICP-MS. Journal of Analytical Atomic Spectrometry, 2012, 27, 1000.	1.6	21
67	Proficiency test in Japan for the elements in tea-leaf powder. TrAC - Trends in Analytical Chemistry, 2012, 34, 152-160.	5.8	16
68	Preparation and certification of Hijiki reference material, NMIJ CRM 7405-a, from the edible marine algae hijiki (Hizikia fusiforme). Analytical and Bioanalytical Chemistry, 2012, 402, 1713-1722.	1.9	27
69	Development of a Certified Reference Material (NMIJ CRM 7505-a) for the Determination of Trace Elements in Tea Leaves. Analytical Sciences, 2011, 27, 1149-1155.	0.8	22
70	APMP supplementary comparison APMP.QM-S3: Cd in rice. Metrologia, 2011, 48, 08014-08014.	0.6	0
71	Preparation of monolithic chelating adsorbent inside a syringe filter tip for solid phase microextraction of trace elements in natural water prior to their determination by ICP-MS. Talanta, 2010, 81, 1438-1445.	2.9	51
72	On-line elution of iron hydroxide coprecipitate carrier for determination of REEs in natural water by mix-gas ICP-MS. Journal of Analytical Atomic Spectrometry, 2010, 25, 364-369.	1.6	27

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73	Determination of REEs in natural water by ICP-MS with the aid of an automatic column changing system. Journal of Analytical Atomic Spectrometry, 2010, 25, 1253.	1.6	27
74	Determination of REEs in seawater by ICP-MS after on-line preconcentration using a syringe-driven chelating column. Talanta, 2009, 78, 891-895.	2.9	48
75	Determination of Fe, Cu, Ni, and Zn in seawater by ID-ICP-MS after preconcentration using a syringe-driven chelating column. Journal of Analytical Atomic Spectrometry, 2009, 24, 1179.	1.6	39
76	Determination and Size-Fractional Distribution of the Elements in Garlic. Analytical Sciences, 2009, 25, 137-140.	0.8	2
77	Development of a highly precise ID-ICP-SFMS method for analysis of low concentrations of lead in rice flour reference materials. Analytical and Bioanalytical Chemistry, 2008, 391, 2055-2060.	1.9	8
78	Calcium tungstate coprecipitation for removal of Sr interference with determination of Rb by ID-ICP-MS. Talanta, 2008, 77, 897-900.	2.9	9
79	Vertical Distribution of Lead in Lake Baikal Water Measured by ID-ICP-MS. Journal of Nuclear Science and Technology, 2008, 45, 65-68.	0.7	2
80	Determination of 56 Elements in Lake Baikal Water by High-Resolution ICP-MS with the Aid of a Tandem Preconcentration Method. Analytical Sciences, 2008, 24, 1513-1517.	0.8	7
81	An in-syringe La-coprecipitation Method for the Preconcentration of Oxo-anion Forming Elements in Seawater Prior to an ICP-MS Measurement. Analytical Sciences, 2008, 24, 1189-1192.	0.8	4
82	MULTIELEMENT ANALYSIS OF LAKE BAIKAL WATER BY HR-ICP-MS. Jurnal Riset Kimia, 2008, 2, 1.	0.1	0
83	Speciation of Human Serum Proteins Based on Trace Metal Mapping Analysis by CIM Monolithic Disk Column HPLC/ICP-MS in Complement with Off-Line MALDI-TOF-MS Analysis. Bulletin of the Chemical Society of Japan, 2007, 80, 503-506.	2.0	9
84	Separation Characteristics of a Phosphatidylcholine-Coated ODS Column for Direct Sample Injection Analysis of Biological Fluid Samples. Bulletin of the Chemical Society of Japan, 2007, 80, 329-334.	2.0	2
85	Chemical Speciation of Arsenic Species in Human Blood Serum by Liquid Chromatography Using a Phosphatidylcholine-Coated ODS Column with Detection by ICP-MS. Bulletin of the Chemical Society of Japan, 2007, 80, 498-502.	2.0	6
86	Multielement determination of trace metals in seawater by ICP-MS with aid of down-sized chelating resin-packed minicolumn for preconcentration. Talanta, 2007, 72, 600-606.	2.9	84
87	AN IN-SYRINGE La CO-PRECIPITATION METHOD FOR PRE-CONCENTRATION OF OXO-ANIONS FORMING ELEMENTS IN SEAWATER FOLLOWED BY ICP-MS MEASUREMENT. Jurnal Riset Kimia, 2007, 1, 8.	0.1	1
88	Determination of rare earth elements in seawater by ICP-MS after preconcentration with a chelating resin-packed minicolumn. Journal of Alloys and Compounds, 2006, 408-412, 985-988.	2.8	42
89	Partitionings of Major-to-Ultratrace Elements in Bittern as Determined by ICP-AES and ICP-MS with Aid of Chelating Resin Preconcentration. Bulletin of the Chemical Society of Japan, 2006, 79, 588-594.	2.0	4
90	Application of syringe-driven chelate-minicolumn in determination of trace elements in water samples. Diqiu Huaxue, 2006, 25, 196-196.	0.5	0

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91	Lead Isotopic Compositions of Atmospheric Suspended Particulate Matter in Nagoya City as Measured by HR-ICP-MS. Journal of Nuclear Science and Technology, 2006, 43, 474-478.	0.7	5
92	Fractional Distributions of Trace Metals in Surface Water of Lake Biwa as Studied by Ultrafiltration and ICP-MS. Bulletin of the Chemical Society of Japan, 2005, 78, 1970-1976.	2.0	20
93	Multielement Determination of Trace Metals in Seawater by Inductively Coupled Plasma Mass Spectrometry after Tandem Preconcentration Using a Chelating Resin. Bulletin of the Chemical Society of Japan, 2005, 78, 659-667.	2.0	30
94	Multielement Determination of Trace Metals in Seawater by ICP-MS Using a Chelating Resin-Packed Minicolumn for Preconcentration. Bulletin of the Chemical Society of Japan, 2005, 78, 107-115.	2.0	44
95	Multielement Determination of Trace Metals in River Water (Certified Reference Material, JSAC 0301-1) by High Efficiency Nebulization ICP-MS after 100-fold Preconcentration with a Chelating Resin-Packed Minicolumn. Analytical Sciences, 2005, 21, 199-203.	0.8	23
96	Gadolinium Anomaly in the Distributions of Rare Earth Elements Observed for Coastal Seawater and River Waters around Nagoya City. Bulletin of the Chemical Society of Japan, 2004, 77, 1835-1842.	2.0	73
97	Distributions of Major-to-Ultratrace Elements among the Particulate and Dissolved Fractions in Natural Water as Studied by ICP-AES and ICP-MS after Sequential Fractionation. Analytical Sciences, 2004, 20, 29-36.	0.8	26
98	Lead Isotopic Compositions of Atmospheric Suspended Particulate Matter in Nagoya City as Measured by HR-ICP-MS. , 0, .		3
99	Determination of Rare Earth Elements by Inductively Coupled Plasmaâ€“Tandem Quadrupole Mass Spectrometry With Nitrous Oxide as the Reaction Gas. Frontiers in Chemistry, 0, 10, .	1.8	5