Hitoshi Watarai

List of Publications by Year
in descending order

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173	3,523	136885	206029
papers	citations	32 h-index	48 g-index

174	174	174	1933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microemulsion Capillary Electrophoresis. Chemistry Letters, 1991, 20, 391-394.	0.7	169
2	Microemulsions in separation sciences. Journal of Chromatography A, 1997, 780, 93-102.	1.8	145
3	Magnetoanalysis of micro/nanoparticles: A review. Analytica Chimica Acta, 2011, 690, 137-147.	2.6	93
4	What's happening at the liquidâ€"liquid interface in solvent extraction chemistry?. TrAC - Trends in Analytical Chemistry, 1993, 12, 313-318.	5.8	92
5	Direct Spectrophotometric Measurement of Demetalation Kinetics of 5,10,15,20-Tetraphenylporphyrinatozinc(II) at the Liquidâ^'Liquid Interface by a Centrifugal Liquid Membrane Method. Analytical Chemistry, 1998, 70, 2860-2865.	3.2	92
6	Magnetophoresis and electromagnetophoresis of microparticles in liquids. Analytical and Bioanalytical Chemistry, 2004, 378, 1693-1699.	1.9	92
7	Capillary magnetophoresis of human blood cells and their magnetophoretic trapping in a flow system. Journal of Chromatography A, 2002, 961, 3-8.	1.8	80
8	Total Internal Reflection Fluorescence Measurements of Protonation Equilibria of Rhodamine B and Octadecylrhodamine B at a Toluene/Water Interface. Langmuir, 1996, 12, 6717-6720.	1.6	73
9	Magnetophoretic Behavior of Single Polystyrene Particles in Aqueous Manganese(II) Chloride.. Analytical Sciences, 2001, 17, 1233-1236.	0.8	66
10	Formation of HelicalJ-Aggregate of Chiral Thioether-Derivatized Phthalocyanine Bound by Palladium(II) at the Toluene/Water Interface. Langmuir, 2006, 22, 1630-1639.	1.6	66
11	Role of the interface in the extraction kinetics of zinc and nickel ions with alkyl-substituted dithizones. Journal of the American Chemical Society, 1983, 105, 189-190.	6.6	64
12	Interfacial Mechanism in the Extraction Kinetics of Ni(II) with 2-(5-Bromo-2-pyridylazo)-5-diethylaminophenol and Molecular Dynamics Simulation of Interfacial Reactivity of the Ligand. Bulletin of the Chemical Society of Japan, 1997, 70, 957-964.	2.0	51
13	Magnetophoretic Velocimetry of Manganese(II) in a Single Emulsion Droplet at the Femtomole Level. Analytical Chemistry, 2001, 73, 5214-5219.	3.2	50
14	In Situ Measurement of Dielectrophoretic Mobility of Single Polystyrene Microparticles. Langmuir, 1997, 13, 2417-2420.	1.6	47
15	Surface-Enhanced Raman Scattering from Oleate-Stabilized Silver Colloids at a Liquid/Liquid Interface. Analytical Sciences, 2004, 20, 1347-1352.	0.8	45
16	Kinetics of the Interfacial Mechanism in the Extraction of Nickel(II) with 5-Nonylsalicylaldoxime. Langmuir, 1994, 10, 3913-3915.	1.6	44
17	Two-Phase Stopped-Flow Measurement of the Protonation of Tetraphenylporphyrin at the Liquidâ^'Liquid Interface. Analytical Chemistry, 1996, 68, 1250-1253.	3.2	44
18	Interfacial Nanochemistry in Liquidâ€"Liquid Extraction Systems. Bulletin of the Chemical Society of Japan, 2003, 76, 1471-1492.	2.0	44

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19	Non-linear optical activity of porphyrin aggregate at the liquid/liquid interface. Chemical Physics Letters, 2004, 394, 349-353.	1.2	43
20	Migration Analysis of Micro-Particles in Liquids Using Microscopically Designed External Fields. Analytical Sciences, 2004, 20, 423-434.	0.8	43
21	Positive Dielectrophoretic Mobilities of Single Microparticles Enhanced by the Dynamic Diffusion Cloud of Ions. Langmuir, 2000, 16, 3866-3872.	1.6	41
22	Effect of stirring on the distribution equilibriums of n-alkyl-substituted dithizones. Journal of the American Chemical Society, 1983, 105, 191-194.	6.6	39
23	In Situ Fluorescence Imaging and Time-Resolved Total Internal Reflection Fluorometry of Palladium(II)â˜Tetrapyridylporphine Complex Assembled at the Tolueneâ˜Water Interface. Langmuir, 2001, 17, 5337-5342.	1.6	37
24	Total Internal Reflection Resonance Raman Microspectroscopy for the Liquid/Liquid Interface. Ion-Association Adsorption of Cationic Mn(III) Porphine. Langmuir, 2003, 19, 2658-2664.	1.6	37
25	Raman optical activity study on insulin amyloidâ€•and prefibril intermediate. Chirality, 2012, 24, 97-103.	1.3	36
26	Interfacial Phenomena in the Extraction Kinetics of Nickel(II) with 2â€²-Hydroxy-5â€²-nonylacetophenone Oxime. Bulletin of the Chemical Society of Japan, 1986, 59, 3469-3473.	2.0	35
27	CAPILLARY ELECTROPHORESIS WITH O/W MICROEMULSIONS OF WATER/SDS/1-BUTANOL/HEPTANE. Analytical Sciences, 1991, 7, 245-248.	0.8	35
28	Acid-catalyzed interfacial complexation in the extraction kinetics of palladium(II) with 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol. Analytica Chimica Acta, 1998, 364, 53-62.	2.6	35
29	High-magnetic-field electromagnetophoresis of micro-particles in a capillary flow system. Journal of Chromatography A, 2004, 1032, 165-171.	1.8	35
30	Time-resolved total internal reflection fluorometry of ternary europium(III) complexes formed at the liquid/liquid interface. Physical Chemistry Chemical Physics, 1999, 1, 2949-2951.	1.3	34
31	Controllable Adsorption and Ideal H-Aggregation Behaviors of Phenothiazine Dyes on the Tungsten Oxide Nanocolloid Surface. Langmuir, 2010, 26, 117-125.	1.6	34
32	Interfacial reaction in the synergistic extraction rate of Ni(II) with dithizone and 1,10-phenanthroline. Talanta, 1995, 42, 1691-1700.	2.9	33
33	Magnetophoretic Velocimetry of Manganese(II) in a Single Microdroplet in a Flow System under a High Gradient Magnetic Field Generated with a Superconducting Magnet. Analytical Chemistry, 2002, 74, 5027-5032.	3.2	31
34	Control of optically active structure of thioether-phthalocyanine aggregates by chiral Pd(II)-BINAP complexes in toluene and at the toluene/water interface. Chirality, 2006, 18, 599-608.	1.3	31
35	Size Dependence of Laser-Photophoretic Efficiency of Polystyrene Microparticles in Water. Langmuir, 2000, 16, 8539-8542.	1.6	30
36	Lateral Diffusion Dynamics for Single Molecules of Fluorescent Cyanine Dye at the Free and Surfactant-Modified Dodecaneâ˜Water Interface. Langmuir, 2003, 19, 4197-4204.	1.6	30

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37	Measurement of Circular Dichroism Spectra of Liquid/Liquid Interface by Centrifugal Liquid Membrane Method. Analytical Sciences, 2004, 20, 1489-1491.	0.8	30
38	Interfacial aggregation of thioether-substituted phthalocyaninatomagnesium(ii)â€“palladium(ii) complexes in the toluene/water system. Journal of Materials Chemistry, 2005, 15, 4701.	6.7	29
39	Migration mechanism of bases and nucleosides in oil-in-water microemulsion capillary electrophoresis. Electrophoresis, 2001, 22, 3438-3443.	1.3	27
40	Extraction of Copper(II) into Microcapsules Containing 5-Nonyl Salicylaldoxime. Analytical Sciences, 1991, 7, 487-489.	0.8	26
41	Total Internal Reflection Fluorescence Measurements of Ion-Association Adsorption of Water-Soluble Porphyrins at Liquid/Liquid Interface. Chemistry Letters, 1995, 24, 283-284.	0.7	26
42	Ion-Association Aggregation of an Anionic Porphyrin at the Liquid/Liquid Interface Studied by Second Harmonic Generation Spectroscopy. Langmuir, 2006, 22, 2482-2486.	1.6	26
43	Binding Behavior of Subphthalocyanine-Tagged Testosterone with Human Serum Albumin at then-Hexane/Water Interface. Analytical Chemistry, 2006, 78, 6840-6846.	3.2	26
44	Kinetic study of Ni(II) and Zn(II) complexation with a pyridylazo extractant by a centrifugal liquid membrane method. Analytica Chimica Acta, 2000, 419, 107-114.	2.6	25
45	Regularities of the Partition Coefficients of Bis, Tris, and Tetrakis(acetylacetonato)metal (II, III and IV) Complexes. QSAR and Combinatorial Science, 1984, 3, 17-22.	1.4	24
46	Laser Photophoretic Migration with Periodic Expansionâ^'Contraction Motion of Photo-Absorbing Microemulsion Droplets in Water. Langmuir, 2004, 20, 10791-10797.	1.6	24
47	Simple Devices for the Measurements of Absorption Spectra at Liquid-Liquid Interfaces. Analytical Sciences, 1994, 10, 105-107.	0.8	23
48	Flow Fractionation of Microparticles under a Dielectrophoretic Field in a Quadrupole Electrode Capillary. Analytical Chemistry, 2001, 73, 5661-5668.	3.2	23
49	Azo-Imine Resonance in Palladium(II)â^'Pyridylazo Complex Adsorbed at Liquidâ^'Liquid Interfaces Studied by Centrifugal Liquid Membrane-Resonance Raman Microprobe Spectroscopy. Langmuir, 2002, 18, 10292-10297.	1.6	23
50	Continuous Separation Principles Using External Microaction Forces. Annual Review of Analytical Chemistry, 2013, 6, 353-378.	2.8	23
51	Laser Electrochemical Detection Technique in a Flow System. Analytical Sciences, 1995, 11, 1-8.	0.8	22
52	Interfacial adsorption of 1,10-phenanthrolines in vigorously stirred solvent extraction systems. The Journal of Physical Chemistry, 1985, 89, 384-387.	2.9	20
53	Catalytic Effect ofN,N-Dimethyl-4-(2-pyridylazo)aniline on the Extraction Rate of Ni(II) with 1-(2-Pyridylazo)-2-naphthol: Ligand-Substitution Mechanism at the Liquidâ€“Liquid Interface. Bulletin of the Chemical Society of Japan, 1998, 71, 603-608.	2.0	20
54	Dielectrophoretic Behavior of Single DNA in Planar and Capillary Quadrupole Microelectrodes. Chemistry Letters, 2001, 30, 250-251.	0.7	20

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55	Aggregation of thioether-substituted subphthalocyanines with palladium(ii) at the tolueneâ€“water interface. Soft Matter, 2005, 1, 292.	1.2	20
56	Effective Transition Probability for the Faraday Effect of Lanthanide(III) Ion Solutions. Journal of the American Chemical Society, 2009, 131, 6328-6329.	6.6	20
57	Migration of Polystyrene Microparticles in Aqueous Media Caused by Electromagnetic Buoyancy.. Analytical Sciences, 2000, 16, 5-9.	0.8	19
58	Kinetic complexation mechanisms of Ni(II) and Zn(II) with a pyridylazo-ligand at liquidâ€“liquid interfaces. Analytica Chimica Acta, 2001, 447, 247-254.	2.6	19
59	Electromagnetophoretic Force Measurement of a Single Binding Interaction between Lectin and Yeast Cell Surfaces. Analytical Sciences, 2007, 23, 121-126.	0.8	19
60	Interfacial Adsorption of Iron(II)â€“4,7-Diphenyl-1,10-phenanthroline Complex in Ion-Association Extraction Systems. Bulletin of the Chemical Society of Japan, 1989, 62, 3446-3450.	2.0	18
61	Interfacial Phenomena in Ion-Association Extraction Kinetics of Iron(II) with 1,10-Phenanthrolines. Bulletin of the Chemical Society of Japan, 1990, 63, 2797-2802.	2.0	18
62	Formation and interfacial adsorption of the [mu]-oxo dimer of (5,10,15,20-tetraphenylporphyrinato)iron(III) in dodecane/aqueous acid systems. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 247-252.	1.7	18
63	Transient Attenuated Total Internal Reflection Spectroscopy to Measure the Relaxation Kinetics of Triplet State of Tetra(N-methylpyridinium-4-yl)porphine at Liquid-Liquid Interface. Chemistry Letters, 1999, 28, 89-90.	0.7	18
64	Magnetophoretic velocity of microorganic droplets adsorbed by dysprosium(III) laurate in water. Journal of Chromatography A, 2003, 1013, 3-8.	1.8	18
65	Magnetophoretic Evaluation of Interfacial Adsorption of Dysprosium(III) on a Single Microdroplet. Analytical Sciences, 2008, 24, 133-137.	0.8	18
66	Kinetic characteristics of enhanced photochromism in tungsten oxide nanocolloid adsorbed on cellulose substrates, studied by total internal reflection Raman spectroscopy. RSC Advances, 2012, 2, 2128.	1.7	18
67	Interfacial Adsorption of 1,10-Phenanthroline Complexes in Solvent Extraction Systems. Bulletin of the Chemical Society of Japan, 1988, 61, 1159-1162.	2.0	17
68	Effects of Viability and Lectin Protein Binding on Dielectrophoretic Behavior of Single Yeast Cells.. Analytical Sciences, 2003, 19, 27-31.	0.8	17
69	Incident circularly polarized Raman optical activity spectrometer based on circularity conversion method. Journal of Raman Spectroscopy, 2010, 41, 1664-1669.	1.2	17
70	Two-dimensional flow magnetophoresis of microparticles. Analytical and Bioanalytical Chemistry, 2012, 403, 2645-2653.	1.9	17
71	Heterogeneous Fluorescence Quenching Reaction between (5,10,15,20-Tetraphenylporphyrinato)zinc(II) and Methylviologen at Dodecane-Water Interface. Chemistry Letters, 1999, 28, 701-702.	0.7	16
72	Direct Spectrophotometric Measurements of Acid-catalyzed Complexation of Palladium(II) with 2-(5-Bromo-2-pyridylazo)-5-diethylaminophenol at the Heptane/Water Interface by a Centrifugal Liquid Membrane Method.. Analytical Sciences, 2001, 17, 1313-1319.	0.8	16

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73	Molecular Recognition of Diazine Isomers and Purine Bases by the Aggregation of Palladium(II)â^'Pyridylazo Complex at the Toluene/Water Interface. Langmuir, 2003, 19, 4645-4651.	1.6	16
74	Adsorption Equilibria of Novel Phthalocyaninatomagnesium(II) Derivatives with Thioethers at the Toluene/Water Interface. Bulletin of the Chemical Society of Japan, 2004, 77, 2011-2020.	2.0	16
75	Lactone Cleavage Reaction Kinetics of Rhodamine Dye at Liquid/Liquid Interfaces Studied by Micro-Two-Phase Sheath Flow/Two-Photon Excitation Fluorescence Microscopy. Langmuir, 2005, 21, 1299-1304.	1.6	16
76	Two-phase Couette flow linear dichroism measurement of the shear-forced orientation of a palladium(ii)-induced aggregate of thioether-derivatised subphthalocyanines at the toluene/glycerol interface. New Journal of Chemistry, 2006, 30, 343.	1.4	16
77	Optical chirality of protonated tetraphenylporphyrin J-aggregate formed at the liquidâ€“liquid interface in a centrifugal liquid membrane cell. Journal of Physics Condensed Matter, 2007, 19, 375105.	0.7	16
78	Interfacial Kinetics in the Extraction of Copper(II) and Nickel(II) with 2â€²-Hydroxy-5â€²-nonylbenzophenone Oxime. Analytical Sciences, 1991, 7, 137-140.	0.8	15
79	Evaluation of the Interfacial Adsorptivity of 2-Hydroxy-5-nonylbenzophenone Oxime by a Molecular Dynamics Simulation.. Analytical Sciences, 1998, 14, 237-239.	0.8	15
80	Axial Hydration and Adsorption of Chloro(5,10,15,20-tetraphenylporphyrinato)manganese(III) at the Toluene/Water Interface, Studied by External Reflection Spectrophotometry. Bulletin of the Chemical Society of Japan, 2001, 74, 1885-1890.	2.0	15
81	Simultaneous Measurement of the Migration Velocity and Adsorption Force of Micro-Particles Using an Electromagnetophoretic Force under a High Magnetic Field.. Analytical Sciences, 2003, 19, 33-37.	0.8	15
82	Kinetic Study of Fast Complexation of Zinc(II) with 8-Quinolinol and 5-Octyloxymethyl-8-Quinolinol at 1-Butanol/Water Interface by Two-Phase Sheath Flow/Laser-Induced Fluorescence Microscopy. Bulletin of the Chemical Society of Japan, 2003, 76, 1569-1576.	2.0	15
83	Magnetophoretic Velocity Modulation Mass Analysis of a Single Microparticle in an Atmosphere. Analytical Chemistry, 2006, 78, 6660-6663.	3.2	15
84	Site-Selective Formation of Optically Active Inclusion Complexes of Alkoxo-Subphthalocyanines with Î²-Cyclodextrin at the Toluene/Water Interface. Chemistry - A European Journal, 2006, 12, 4249-4260.	1.7	15
85	MOLECULAR DYNAMICS SIMULATION OF INTERFACIAL ADSORPTION OF 2-HYDROXY OXIME AT HEPTANE/WATER INTERFACE. Solvent Extraction and Ion Exchange, 2001, 19, 155-166.	0.8	14
86	Direct Electrospray Ionization Mass Spectroscopic Measurement of Micro-Flow Oil/Water System.. Analytical Sciences, 2002, 18, 367-368.	0.8	14
87	Interfacial aggregate growth process of Fe(II) and Fe(III) complexes with pyridylazophenol in solvent extraction system. Journal of Colloid and Interface Science, 2004, 275, 560-569.	5.0	14
88	Effect of static magnetic fields on the budding of yeast cells. Bioelectromagnetics, 2010, 31, 622-629.	0.9	14
89	Chiral Recognition of 2-Alkylalcohols with Magnetic Circular Dichroism Measurement of Porphyrin J-Aggregate on Silica Gel Plate. Analytical Chemistry, 2016, 88, 4619-4623.	3.2	14
90	Effect of stirring on the ion-association extraction of copper and zinc 4,7-diphenyl-1,10-phenanthroline complexes. Talanta, 1985, 32, 817-820.	2.9	13

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91	INTERFACIAL ADSORPTION OF Î²-DIKETONES IN VIGOROUSLY STIRRED HEPTANE/AQUEOUS PHASE SYSTEMS. Solvent Extraction and Ion Exchange, 1989, 7, 361-376.	0.8	13
92	Microgravity laser-photophoresis of high density microparticles in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 220, 279-284.	2.3	13
93	Microscopic Measurement of Circular Dichroism Spectra. Analytical Sciences, 2008, 24, 297-300.	0.8	13
94	Microscopic Faraday rotation measurement system using pulsed magnetic fields. Review of Scientific Instruments, 2009, 80, 093705.	0.6	13
95	Dynamic electromagnetophoretic force analysis of a single binding interaction between lectin and mannan polysaccharide on yeast cell surface. Analyst, The, 2010, 135, 1426.	1.7	13
96	Alignment and Chirality of Porphyrin J Aggregates Formed at the Liquidâ€“Liquid Interface of a Centrifugal Liquid Membrane Cell. Langmuir, 2013, 29, 7249-7256.	1.6	13
97	Comparison of three different microemulsion systems as the run buffer for the capillary electrophoretic separation of ketone test solutes. Analytical Communications, 1998, 35, 289-292.	2.2	12
98	Periodic Expansion-contraction Motion of Photoabsorbing Organic Droplets during Laser Photophoretic Migration in Water. Chemistry Letters, 2003, 32, 254-255.	0.7	12
99	Magnetophoretic detection of photo-induced spin transitionElectronic supplementary information (ESI) available: movie files showing the magnetophoretic behaviours of compounds 1, 2 and 3. See http://www.rsc.org/suppdata/cc/b4/b403386h/. Chemical Communications, 2004, , 1656.	2.2	12
100	New principle of electromagnetophoretic adsorptionâ€“desorption microchromatography. Journal of Chromatography A, 2005, 1073, 93-98.	1.8	12
101	Electromagnetophoretic Measurements of Adsorption Forces of Polystyrene Microparticles on Silica Surfaces in Surfactant Solutions. Bulletin of the Chemical Society of Japan, 2006, 79, 47-52.	2.0	12
102	Specific Adsorption of Metal Complexes of Tetraphenylporphyrin at Dodecane-Water Interface. Chemistry Letters, 1997, 26, 167-168.	0.7	11
103	In Situ Measurement of Aggregate Formation Kinetics of Nickel(II)-Pyridylazoaminophenol Complex at the Heptane-Water Interface by Centrifugal Liquid Membrane Spectrophotometry. Bulletin of the Chemical Society of Japan, 2003, 76, 1379-1386.	2.0	11
104	Linear Dichroism of Zn(II)â^'Tetrapyridylporphine Aggregates Formed at the Toluene/Water Interface. Langmuir, 2008, 24, 4722-4728.	1.6	11
105	Resonance Raman Spectroscopic Detection of Pyridylazo Complex Formed at Liquidâ€“Liquid Interface in Centrifugal Liquid Membrane System. Chemistry Letters, 2001, 30, 1238-1239.	0.7	10
106	Microscopic Fluorescence Measurement of Fast Interfacial Complexation by Two-Phase Sheath Flow Method. Chemistry Letters, 2001, 30, 204-205.	0.7	10
107	Anomalous Laser Photophoretic Behavior of Photo-Absorbing Organic Droplets in Water. Chemistry Letters, 2002, 31, 788-789.	0.7	10
108	Interfacial kinetics of synergistic extraction of samarium(iii) studied by micro-two-phase sheath flow/fluorescence microscopy. Analyst, The, 2004, 129, 1099.	1.7	10

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109	New Principle of Magnetophoretic Velocity Mass Analysis. Analytical Sciences, 2004, 20, 1483-1485.	0.8	10
110	Resonance Raman Spectroscopic Study on Chiral Aggregation of Bilirubin-Bovine Serum Albumin Complex Formed at Liquid/Liquid Interface. Analytical Sciences, 2007, 23, 841-846.	0.8	10
111	Complex Formation of Copper(II) and Iron(II) with Octadecyloxythiazolylazophenol at the Heptane-Water Interface. Analytical Sciences, 2004, 20, 1543-1547.	0.8	9
112	Measurement of dielectrophoretic mobility of single micro-particles in a flow channel. Analyst, The, 2005, 130, 1340.	1.7	9
113	Chiral complexation and aggregation of bilirubin with serum albumin at a liquid/liquid interface. Analytical and Bioanalytical Chemistry, 2007, 389, 895-902.	1.9	9
114	Counterion-Dependent Morphology of Porphyrin Aggregates Formed at the Liquid/Liquid Interface Studied by Total Internal Reflection Resonant Rayleigh and Raman Scattering Microscopy. Journal of Physical Chemistry C, 2008, 112, 12417-12424.	1.5	9
115	Measuring the optical chirality of molecular aggregates at liquidâ€“liquid interfaces. Analytical and Bioanalytical Chemistry, 2009, 395, 1033-1046.	1.9	9
116	SERS Study of Rotational Isomerization of Cysteamine Induced by Magnetic Pulling Force. Langmuir, 2010, 26, 4848-4853.	1.6	9
117	Modulation of surface plasmon coupled emission (SPCE) by a pulsed magnetic field. Chemical Communications, 2015, 51, 12320-12323.	2.2	9
118	Dielectrophoretic Separation of Single Microparticles with Quadrupole Microelectrode. Chemistry Letters, 1998, 27, 279-280.	0.7	8
119	Isomer recognizing adsorption of palladium(II)â€“2-(5-bromo-2-pyridylazo)-5-diethylaminophenol with diazine derivatives at the tolueneâ€“water interface. Analytica Chimica Acta, 1999, 394, 23-31.	2.6	8
120	Zero-velocity Magnetophoretic Method for the Determination of Particle Magnetic Susceptibility. Analytical Sciences, 2014, 30, 745-749.	0.8	8
121	Roles of Interfacial Functions in Analytical Chemistry. Measurement of the rotational relaxation of octadecylrhodamine B adsorbed at a liquid-liquid interface by time-resolved fluorescence anisotropy under the total internal-reflection condition.. Bunseki Kagaku, 1998, 47, 945-952.	0.1	7
122	Measurement of Complexation Rate of Palladium(II) with Pyridylazo Ligand at the Heptane- Water Interface by Centrifugal Liquid Membrane-resonance Raman Microprobe Spectroscopy. Chemistry Letters, 2003, 32, 218-219.	0.7	7
123	Micro-particle sorting by Newton-ring device. Chemical Communications, 2004, , 2772.	2.2	7
124	Brownian motion-magnetophoresis of nano/micro-particles. Analyst, The, 2012, 137, 4123.	1.7	7
125	Chiral recognition of 2-alkyl alcohols with porphyrin J-nanoaggregates at the liquidâ€“liquid interface. Analyst, The, 2012, 137, 3238.	1.7	7
126	Faraday Rotation Dispersion Microscopy Imaging of Diamagnetic and Chiral Liquids with Pulsed Magnetic Field. Analytical Chemistry, 2013, 85, 5176-5183.	3.2	7

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127	Enhanced modulation of magnetic field on surface plasmon coupled emission (SPCE) by magnetic nanoparticles. Chinese Chemical Letters, 2019, 30, 2173-2176.	4.8	7
128	INTERFACIAL ADSORPTION OF 2-HYDROXY-5-NONYLBENZOPHENONE OXIME IN STATIC AND VIGOROUSLY STIRRED DISTRIBUTION SYSTEMS. Solvent Extraction and Ion Exchange, 1985, 3, 881-893.	0.8	6
129	Preparation of microcapsules containing a metal extractant.. Bunseki Kagaku, 1993, 42, 737-740.	0.1	6
130	Size sorting of biological micro-particles by Newton-ring nano-gap device. Journal of Chromatography A, 2006, 1106, 205-210.	1.8	6
131	Magnetophoretic study of photo-induced spin transition of single crystalline particles of cobaltâ€“iron Prussian blue analogues. Science and Technology of Advanced Materials, 2006, 7, 373-379.	2.8	6
132	Sensitive light-scattering detectionâ€“magnetophoretic acceleration mass analysis of single microparticles in an atmosphere. Analytical and Bioanalytical Chemistry, 2008, 391, 701-707.	1.9	6
133	In Situ Measurements of Aggregation and Disaggregation of Cu(II) Complex at Liquid/Liquid Interface. Analytical Chemistry, 2008, 80, 8348-8352.	3.2	6
134	Fabrication of planar multipole microelectrodes for dielectrophoresis by laser ablation.. Bunseki Kagaku, 2002, 51, 767-773.	0.1	5
135	Magnetic Susceptibility Measurements of Solutions by Surface Nanodisplacement Detection. Analytical Sciences, 2006, 22, 1157-1162.	0.8	5
136	Microscopic Measurement of Second Harmonic Generation from Chiral Surfaces. Analytical Sciences, 2009, 25, 311-314.	0.8	5
137	Simple and Precise Size-Separation of Microparticles by a Nano-Gap Method. Analytical Sciences, 2009, 25, 605-610.	0.8	5
138	Electromagnetophoretic Micro-convection around a Droplet in a Capillary. Analytical Sciences, 2017, 33, 1013-1019.	0.8	5
139	Charge-up Phenomena of Insulated Metals in X-Ray Photoelectron Spectroscopy.. Analytical Sciences, 1996, 12, 43-47.	0.8	4
140	Recent advances in kinetic studies on the solvent extraction mechanism.. Bunseki Kagaku, 1996, 45, 725-744.	0.1	4
141	Measurement of hydrolysis kinetics of galactose-substituted fluorescein by Î²-galactosidase at the tolueneâ€“water interface by spinning microtube fluorometry. Analytical and Bioanalytical Chemistry, 2006, 385, 1430-1438.	1.9	4
142	Chiral Analysis of Amino Acids by Synergistic Heteroaggregation with Porphyrins at Liquidâ€“Liquid Interface. Chemistry Letters, 2011, 40, 303-305.	0.7	4
143	Magnetophoretic Mole-Ratio Method. Analytical Chemistry, 2017, 89, 10141-10146.	3.2	4
144	Critical Detection of Agglomeration of Magnetic Nanoparticles by Magnetic Orientational Linear Dichroism. Langmuir, 2020, 36, 12414-12422.	1.6	4

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145	Generation of circular dichroism from superposed porphyrin films. Chirality, 2021, 33, 242-247.	1.3	4
146	Kinetics for acid-dissociation of tetraphenylporphinetetrasulfonate in the ground state measured by laser photolysis relaxation method. Physical Chemistry Chemical Physics, 2002, 4, 1592-1597.	1.3	3
147	Effects of Pulsed and Static Magnetic Fields on Surface Tension Measurement by Drop Volume Method. Bunseki Kagaku, 2007, 56, 505-509.	0.1	3
148	Nano-Gap Magnetophoresis with Raman Spectroscopic Detection. Analytical Sciences, 2010, 26, 1211-1213.	0.8	3
149	Electromagnetophoretic Dynamic Force Measurement of Particle-Wall Interaction in Solution; Effects of pH and Metal Ions. Bulletin of the Chemical Society of Japan, 2016, 89, 1487-1492.	2.0	3
150	Magnetic Orientational Linear Dichroism Spectra of Magnetic Nanoparticles as a Probe of the Dispersion State. Analytical Sciences, 2019, 35, 951-954.	0.8	3
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