Koji Otsuka

List of Publications by Citations

177 papers	8,665 citations	45 h-index	90 g-index
185 ext. papers	9,103 ext. citations	4 avg, IF	5.86 L-index

#	Paper	IF	Citations
177	Electrokinetic separations with micellar solutions and open-tubular capillaries. *Analytical Chemistry*, **1984**, 56, 111-113	7.8	1742
176	Electrokinetic chromatography with micellar solution and open-tubular capillary. *Analytical Chemistry*, **1985**, 57, 834-841	7.8	1071
175	Electrokinetic chromatography with 2-O-carboxymethyl-□cyclodextrin as a moving □tationary□ phase. *Journal of Chromatography A*, **1985**, 332, 211-217	4.5	258
174	Separation of enantiomers by capillary electrophoretic techniques. *Journal of Chromatography A*, **1994**, 666, 295-319	4.5	254
173	Band broadening in electrokinetic chromatography with micellar solutions and open-tubular capillaries. *Analytical Chemistry*, **1989**, 61, 251-260	7.8	203
172	Electrokinetic chromatography with micellar solutions. *Journal of Chromatography A*, **1985**, 348, 39-47	4.5	194
171	Electrokinetic chromatography with micellar solutions. *Journal of Chromatography A*, **1985**, 332, 219-226	4.5	192
170	Recent applications of on-line sample preconcentration techniques in capillary electrophoresis. *Journal of Chromatography A*, **2014**, 1335, 43-60	4.5	162
169	Enantiomeric resolution by micellar electrokinetic chromatography with chiral surfactants. *Journal of Chromatography A*, **1990**, 515, 221-226	4.5	159
168	Effect of urea addition in micellar electrokinetic chromatography. *Journal of Chromatography A*, **1991**, 545, 359-368	4.5	151
167	On-line focusing of flavin derivatives using Dynamic pH junction-sweeping capillary electrophoresis with laser-induced fluorescence detection. *Analytical Chemistry*, **2002**, 74, 3736-43	7.8	145
166	Enantiomer separation of drugs by micellar electrokinetic chromatography using chiral surfactants. *Journal of Chromatography A*, **2000**, 875, 163-78	4.5	143
165	Chiral separations by micellar electrokinetic chromatography with sodium N-dodecanoyl-l-valinate. *Journal of Chromatography A*, **1991**, 559, 209-214	4.5	119
164	Effects of pH on electrokinetic velocities in micellar electrokinetic chromatography. *Journal of Separation Science*, **1989**, 1, 150-154		105
163	Sample concentration by sample stacking and sweeping using a microemulsion and a single-isomer sulfated □cyclodextrin as pseudostationary phases in electrokinetic chromatography. *Journal of Chromatography A*, **1999**, 838, 3-10	4.5	102
162	Recent progress in capillary electrophoretic analysis of amino acid enantiomers. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2011**, 879, 3078-95	3.2	95
161	Anion selective exhaustive injection-sweep-micellar electrokinetic chromatography. *Journal of Chromatography A*, **2001**, 932, 129-37	4.5	88

160	Physically adsorbed chiral stationary phase of avidin on monolithic silica column for capillary electrochromatography and capillary liquid chromatography. *Electrophoresis*, **2002**, 23, 2973-81	3.6	86
159	Measurement of thermodynamic quantities of micellar solubilization by micellar electrokinetic chromatography with sodium dodecyl sulfate. *Journal of Separation Science*, **1993**, 5, 23-33		78
158	Sweeping on a microchip: concentration profiles of the focused zone in micellar electrokinetic chromatography. *Electrophoresis*, **2001**, 22, 3509-13	3.6	75
157	Enantiomer separations by capillary electrochromatography using chiral stationary phases. *Journal of Chromatography A*, **2000**, 887, 457-63	4.5	73
156	Separation of enantiomers by capillary electrophoresis-mass spectrometry employing a partial filling technique with a chiral crown ether. *Journal of Chromatography A*, **2000**, 875, 323-30	4.5	73
155	Determination of environmentally relevant aromatic amines in the ppt levels by cation selective exhaustive injection-sweeping-micellar electrokinetic chromatography. *Electrophoresis*, **2000**, 21, 2899-903	3.6	71
154	On-line sample preconcentration and separation technique based on transient trapping in microchip micellar electrokinetic chromatography. *Analytical Chemistry*, **2008**, 80, 1255-62	7.8	66
153	On-line sample concentration in micellar electrokinetic chromatography using cationic surfactants. *Journal of Chromatography A*, **2001**, 916, 123-30	4.5	66
152	Stereoselective separation and detection of phenoxy acid herbicide enantiomers by cyclodextrin-modified capillary zone electrophoresis–electrospray ionization mass spectrometry. *Journal of Chromatography A*, **1998**, 817, 75-81	4.5	64
151	Recent progress of online sample preconcentration techniques in microchip electrophoresis. *Journal of Separation Science*, **2008**, 31, 2650-66	3.4	63
150	Effects of methanol and urea on optical resolution of phenylthiohydantoin-DL-amino acids by micellar electrokinetic chromatography with sodium N-dodecanoyl-L-valinate. *Electrophoresis*, **1990** , 11, 982-4	3.6	62
149	Application of sweeping to micellar electrokinetic chromatography-atmospheric pressure chemical ionization-mass spectrometric analysis of environmental pollutants. *Electrophoresis*, **2001**, 22, 3426-32	3.6	59
148	Separation and on-line preconcentration by sweeping of charged analytes in electrokinetic chromatography with nonionic micelles. *Journal of Chromatography A*, **2001**, 939, 99-108	4.5	59
147	Enantiomeric separation by micellar electrokinetic chromatography. *TrAC - Trends in Analytical Chemistry*, **1993**, 12, 125-130	14.6	58
146	On-line coupling of partial-filling micellar electrokinetic chromatography with mass spectrometry. *Journal of Chromatography A*, **1998**, 802, 3-15	4.5	56
145	Strategy for selecting separation solutions in capillary electrophoresis–mass spectrometry. *Journal of Chromatography A*, **1998**, 817, 49-57	4.5	55
144	Optical resolution of amino acid derivatives by micellar electrokinetic chromatography with N-dodecanoyl-L-serine. *Journal of Chromatography A*, **1994**, 680, 317-20	4.5	54
143	Chiral separation by open tubular capillary electrochromatography with adsorbed avidin as a stationary phase. *Journal of Separation Science*, **2001**, 24, 17-26	3.4	53

142	Optical resolution by high-performance capillary electrophoresis. Micellar electrokinetic chromatography with sodium N-dodecanoyl-L-glutamate and digitonin. *Journal of Chromatography A*, **1993**, 652, 253-7	4.5	53
141	Selective detection of biogenic amines using capillary electrochromatography with an on-column derivatization technique. *Analytical Chemistry*, **2002**, 74, 3463-9	7.8	52
140	Capillary electrophoretic techniques toward the metabolome analysis. *Pure and Applied Chemistry*, **2001**, 73, 1563-1572	2.1	49
139	Quantitation and reproducibility in electrokinetic chromatography with micellar solutions. *Journal of Chromatography A*, **1987**, 396, 350-354	4.5	49
138	Microchip electrophoresis of oligosaccharides using large-volume sample stacking with an electroosmotic flow pump in a single channel. *Analytical Chemistry*, **2010**, 82, 6504-11	7.8	48
137	Chiral separation of acidic drug components by open tubular electrochromatography using avidin immobilized capillaries. *Journal of Chromatography A*, **2006**, 1130, 219-26	4.5	47
136	Evaluation of an atmospheric pressure chemical ionization interface for capillary electrophoresis-mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2003**, 30, 1889-95	3.5	47
135	On-line concentration of neutral analytes for micellar electrokinetic chromatography. VI. Stacking using reverse migrating micelles and a water plug. *Biomedical Applications*, **1998**, 714, 29-38		46
134	Robust and simple interface for microchip electrophoresis-mass spectrometry. *Journal of Chromatography A*, **2003**, 1011, 181-92	4.5	46
133	Separation of lipophilic compounds by micellar electrokinetic chromatography with organic modifiers. *Electrophoresis*, **1994**, 15, 1280-3	3.6	46
132	Recent progress in molecularly imprinted media by new preparation concepts and methodological approaches for selective separation of targeting compounds. *TrAC - Trends in Analytical Chemistry*, **2016**, 81, 102-109	14.6	45
131	Signal denoising and baseline correction by discrete wavelet transform for microchip capillary electrophoresis. *Electrophoresis*, **2003**, 24, 3260-5	3.6	43
130	On-line preconcentration and enantioselective separation of triadimenol by electrokinetic chromatography using cyclodextrins as chiral selectors. *Journal of Pharmaceutical and Biomedical Analysis*, **2003**, 30, 1861-7	3.5	42
129	Molecularly Imprinted Polymers for Selective Adsorption of Lysozyme and Cytochrome c Using a PEG-Based Hydrogel: Selective Recognition for Different Conformations Due to pH Conditions. *Macromolecules*, **2015**, 48, 4081-4087	5.5	41
128	Rapid enantioseparation of 1-aminoindan by microchip electrophoresis with linear-imaging UV detection. *Analytical Sciences*, **2005**, 21, 61-5	1.7	41
127	Online concentration and affinity separation of biomolecules using multifunctional particles in capillary electrophoresis under magnetic field. *Analytical Chemistry*, **2007**, 79, 3041-7	7.8	40
126	On-line sample concentration in micellar electrokinetic chromatography with cationic micelles in a coated capillary. *Journal of Chromatography A*, **2001**, 912, 343-52	4.5	39
125	Highly sensitive oligosaccharide analysis in capillary electrophoresis using large-volume sample stacking with an electroosmotic flow pump. *Journal of Chromatography A*, **2012**, 1232, 52-8	4.5	38

124	Recent progress in microchip electrophoresis-mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 55, 668-78	3.5	38
123	Optical Resolution of Chlorpheniramine by Cyclodextrin Added Capillary Zone Electrophoresis and Cyclodextrin Modified Micellar Electrokinetic Chromatography. *Journal of Liquid Chromatography and Related Technologies*, **1993**, 16, 945-953		38
122	Analysis of carboxylic acid metabolites from the tricarboxylic acid cycle in Bacillus subtilis cell extract by capillary electrophoresis using an indirect photometric detection method. *Journal of Chromatography A*, **2003**, 1010, 113-21	4.5	36
121	Recent progress for the selective pharmaceutical analyses using molecularly imprinted adsorbents and their related techniques: A review. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 130, 68-80	3.5	36
120	Highly sensitive chiral analysis in capillary electrophoresis with large-volume sample stacking with an electroosmotic flow pump. *Journal of Chromatography A*, **2012**, 1246, 28-34	4.5	34
119	Toward million-fold sensitivity enhancement by sweeping in capillary electrophoresis combined with thermal lens microscopic detection using an interface chip. *Journal of Chromatography A*, **2006** , 1106, 36-42	4.5	34
118	Micellar Electrokinetic Chromatography. *Bulletin of the Chemical Society of Japan*, **1998**, 71, 2465-2481	5.1	33
117	Profiling of N-linked glycans from 100 cells by capillary electrophoresis with large-volume dual preconcentration by isotachophoresis and stacking. *Journal of Chromatography A*, **2018**, 1565, 138-144	4.5	33
116	Evaluation of extended light path capillary and etched capillary for use in open tubular capillary electrochromatography. *Journal of Chromatography A*, **2002**, 961, 285-91	4.5	32
115	On-line sample preconcentration in micellar electrokinetic chromatography by sweeping with anionic-zwitterionic mixed micelles. *Journal of Chromatography A*, **2003**, 985, 435-45	4.5	32
114	Polymer microchip integrated with nano-electrospray tip for electrophoresis–mass spectrometry. *Sensors and Actuators B: Chemical*, **2008**, 132, 368-373	8.5	31
113	Capillary electrochromatographic enantioseparations using a packed capillary with a 3 microm OD-type chiral packing. *Journal of Chromatography A*, **2001**, 924, 251-7	4.5	31
112	Preparation of fritless capillary using avidin immobilized magnetic particles for electrochromatographic chiral separation. *Journal of Chromatography A*, **2007**, 1143, 264-9	4.5	30
111	Ionization of dichlorophenols for their analysis by capillary electrophoresis-mass spectrometry. *Journal of Chromatography A*, **2001**, 924, 415-20	4.5	30
110	Optical resolution of amino acid derivatives by micellar electrokinetic chromatography with sodium N-tetradecanoyl-l-glutamate. *Journal of Chromatography A*, **1995**, 716, 319-322	4.5	30
109	Separation of aromatic sulfides by electrokinetic chromatography with micellar solution.. *Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal*, **1986**, 1986, 950-955		30
108	Effective determination of a pharmaceutical, sulpiride, in river water by online SPE-LC-MS using a molecularly imprinted polymer as a preconcentration medium. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 89, 111-7	3.5	29
107	Recent progress of on-line sample preconcentration techniques in microchip electrophoresis. *Analytical Sciences*, **2012**, 28, 85-93	1.7	28

106	Effects of the length and modification of the separation channel on microchip electrophoresis-mass spectrometry for analysis of bioactive compounds. *Journal of Chromatography A*, **2004**, 1025, 287-96	4.5	28
105	Analysis of arsenic compounds by capillary electrophoresis using indirect UV and mass spectrometric detections. *Electrophoresis*, **2006**, 27, 2233-9	3.6	27
104	Quantitation and on-line concentration of enantiomers in open-tubular capillary electrochromatography. *Electrophoresis*, **2001**, 22, 3791-7	3.6	27
103	Electrophoretic analysis of cations using large-volume sample stacking with an electroosmotic flow pump using capillaries coated with neutral and cationic polymers. *Journal of Chromatography A*, **2012**, 1267, 65-73	4.5	26
102	Magnetic Field Stimuli-Sensitive Drug Release Using a Magnetic Thermal Seed Coated with Thermal-Responsive Molecularly Imprinted Polymer. *ACS Biomaterials Science and Engineering*, **2019**, 5, 759-767	5.5	25
101	Development of a C(60)-fullerene bonded open-tubular capillary using a photo/thermal active agent for liquid chromatographic separations by □□nteractions. *Journal of Chromatography A*, **2014**, 1323, 174-8	4.5	24
100	On-line sample preconcentration by large-volume sample stacking with an electroosmotic flow pump (LVSEP) in microscale electrophoresis. *Analytical Sciences*, **2013**, 29, 1129-39	1.7	24
99	One-step preparation of amino-PEG modified poly(methyl methacrylate) microchips for electrophoretic separation of biomolecules. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 53, 1272-7	3.5	23
98	Electrophoretic analysis of proteins and enantiomers using capillaries modified by a successive multiple ionic-polymer layer (SMIL) coating technique. *Analytical and Bioanalytical Chemistry*, **2006**, 386, 594-601	4.4	22
97	Molecularly imprinted adsorbents for selective separation and/or concentration of environmental pollutants. *Analytical Sciences*, **2014**, 30, 97-104	1.7	21
96	Toward 10,000-fold sensitivity improvement of oligosaccharides in capillary electrophoresis using large-volume sample stacking with an electroosmotic flow pump combined with field-amplified sample injection. *Electrophoresis*, **2013**, 34, 2303-10	3.6	21
95	One-step immobilization of cationic polymer onto a poly(methyl methacrylate) microchip for high-performance electrophoretic analysis of proteins. *Science and Technology of Advanced Materials*, **2006**, 7, 558-565	7.1	21
94	Hydrophobic labeling of amino acids: transient trapping-capillary/microchip electrophoresis. *Electrophoresis*, **2011**, 32, 1233-40	3.6	20
93	Unique Separation Behavior of a C60 Fullerene-Bonded Silica Monolith Prepared by an Effective Thermal Coupling Agent. *Chemistry - A European Journal*, **2015**, 21, 18095-8	4.8	17
92	Label-free detection of amino acids using gold nanoparticles in electrokinetic chromatography-thermal lens microscopy. *Journal of Chromatography A*, **2009**, 1216, 2943-6	4.5	17
91	Separation of cationic polymer particles and characterization of avidin-immobilized particles by capillary electrophoresis. *Electrophoresis*, **2006**, 27, 1031-40	3.6	17
90	Highly-sensitive micellar electrokinetic chromatographic analysis of dioxin-related compounds using on-line concentration. *Journal of Chromatography A*, **1999**, 853, 413-20	4.5	17
89	Identification and characterization of a thermally cleaved fragment of monoclonal antibody-A detected by sodium dodecyl sulfate-capillary gel electrophoresis. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 140, 98-104	3.5	16

88	Combination of large-volume sample stacking with an electroosmotic flow pump with field-amplified sample injection on cross-channel chips. *Electrophoresis*, **2017**, 38, 2075-2080	3.6	16
87	Micellar electrokinetic chromatography on microchips. *Journal of Separation Science*, **2008**, 31, 794-802	3.4	16
86	Extra-column effects in high-performance capillary electrophoresis. *Journal of Chromatography A*, **1989**, 480, 91-94	4.5	16
85	Selective adsorption of carbohydrates and glycoproteins via molecularly imprinted hydrogels: application to visible detection by a boronic acid monomer. *Chemical Communications*, **2017**, 53, 7290-7293	5.8	15
84	Zone electrophoresis of proteins in poly(dimethylsiloxane) (PDMS) microchip coated with physically adsorbed amphiphilic phospholipid polymer. *Microfluidics and Nanofluidics*, **2013**, 14, 951-959	2.8	15
83	Kinetics of the Decay Reactions of the N,N-Dimethyl-p-Toluidine Cation Radical in Acetonitrile. Acid□Base Interaction to Promote the CH2□CH2 Bonding. *Journal of Physical Chemistry A*, **2002**, 106, 8103-8108	2.8	15
82	Modeling of retention behavior in capillary electrochromatography from chromatographic and electrophoretic data. *Journal of Chromatography A*, **2002**, 959, 241-53	4.5	14
81	Efficient extraction of estrogen receptor-active compounds from environmental surface water via a receptor-mimic adsorbent, a hydrophilic PEG-based molecularly imprinted polymer. *Chemosphere*, **2019**, 217, 204-212	8.4	14
80	Simultaneous determination of amphoteric surfactants in detergents by capillary electrophoresis with indirect UV detection. *Journal of Chromatography A*, **2007**, 1139, 136-42	4.5	13
79	Carbon-Based Nanomaterials for Separation Media. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 482-489	5.1	12
78	Sensitive enantioseparation by transient trapping-cyclodextrin electrokinetic chromatography. *Journal of Chromatography A*, **2012**, 1269, 366-71	4.5	12
77	Effects of compositions of dimethyl-beta-cyclodextrins on enantiomer separations by cyclodextrin modified capillary zone electrophoresis. *Journal of Pharmaceutical and Biomedical Analysis*, **1998**, 17, 1177-90	3.5	12
76	Capillary electrophoretic studies on the photogenotoxic potential of pharmaceutical substances. *Journal of Chromatography A*, **2008**, 1188, 50-6	4.5	12
75	Application of a partial filling technique to electrophoretic analysis on microchip with T-cross channel configuration. *Measurement Science and Technology*, **2006**, 17, 3154-3161	2	12
74	Recent developments of point-of-care (POC) testing platform for biomolecules. *TrAC - Trends in Analytical Chemistry*, **2021**, 135, 116160	14.6	12
73	New platform for simple and rapid protein-based affinity reactions. *Scientific Reports*, **2017**, 7, 178	4.9	11
72	On-line coupling of sample preconcentration by LVSEP with gel electrophoretic separation on T-channel chips. *Electrophoresis*, **2017**, 38, 380-386	3.6	11
71	Fundamental studies on electrokinetic chromatography with PEGylated phospholipid micelles. *Analytical Sciences*, **2008**, 24, 155-9	1.7	11

70	On-line sample preconcentration in micellar electrokinetic chromatography using ion-pair reagents. *Journal of Chromatography A*, **2002**, 979, 131-6	4.5	11
69	Isotope Effects on Hydrogen Bonding and CH/CD□Interaction. *Journal of Physical Chemistry C*, **2018**, 122, 15026-15032	3.8	10
68	Synthesis of poly(ethylene glycol)-based hydrogels and their swelling/shrinking response to molecular recognition. *Journal of Polymer Science Part A*, **2013**, 51, 3153-3158	2.5	10
67	Open-tubular electrochromatographic chiral separation of amino acids using an organic nanocrystals immobilized capillary. *Analytical Sciences*, **2013**, 29, 107-12	1.7	10
66	Differentiating □Interactions by Constructing Concave/Convex Surfaces Using a Bucky Bowl Molecule, Corannulene in Liquid Chromatography. *Analytical Chemistry*, **2019**, 91, 2439-2446	7.8	10
65	Molecularly imprinted polymer with a pseudo-template for thermo-responsive adsorption/desorption based on hydrogen bonding. *Microporous and Mesoporous Materials*, **2015**, 218, 112-117	5.3	9
64	Specific Intermolecular Interactions by the Localized □Electrons in C70-fullerene. *ChemistrySelect*, **2016**, 1, 5900-5904	1.8	9
63	Tunable separations based on a molecular size effect for biomolecules by poly(ethylene glycol) gel-based capillary electrophoresis. *Journal of Chromatography A*, **2017**, 1523, 107-113	4.5	9
62	Development of a C70-Fullerene Bonded Silica-Monolithic Capillary and Its Retention Characteristics in Liquid Chromatography. *Chromatography*, **2017**, 38, 45-51	1.2	9
61	C60-Fullerene Bonded Silica Monolithic Capillary for Specific Separations of Aromatic Compounds. *Chromatography*, **2015**, 36, 105-113	1.2	9
60	Validation of Capillary Zone Electrophoretic Method for Evaluating Monoclonal Antibodies and Antibody-Drug Conjugates. *Chromatography*, **2016**, 37, 117-124	1.2	9
59	Three-Dimensional Fabrication for Microfluidics by Conventional Techniques and Equipment Used in Mass Production. *Micromachines*, **2016**, 7,	3.3	9
58	Simple and Rapid Immobilization of Coating Polymers on Poly(dimethyl siloxane)-glass Hybrid Microchips by a Vacuum-drying Method. *Analytical Sciences*, **2015**, 31, 1171-5	1.7	8
57	Antibacterial activities effectuated by co-continuous epoxy-based polymer materials. *Colloids and Surfaces B: Biointerfaces*, **2013**, 107, 53-8	6	8
56	Kinetic Analysis of Reactions of p-Anisidine and N-Methyl-p-anisidine Cation Radicals in Acetonitrile Using an Electron-Transfer Stopped-Flow Method. *Journal of Physical Chemistry A*, **2004**, 108, 3980-3986	2.8	8
55	Substituted -vinyl-BODIPY as thiol-selective fluorogenic probes for sensing unfolded proteins in the endoplasmic reticulum. *Chemical Communications*, **2021**, 57, 1818-1821	5.8	8
54	Effect of a low-conductivity zone on field-amplified sample stacking in microchip micellar electrokinetic chromatography. *Analytical Sciences*, **2013**, 29, 133-8	1.7	7
53	Separation of complex mixtures of fluorobenzoic acids by capillary electrophoresis. *Journal of Separation Science*, **2009**, 32, 381-7	3.4	7

52	Separation of halogenated benzenes enabled by investigation of halogen- interactions with carbon materials. *Chemical Science*, **2020**, 11, 409-418	9.4	7
51	Simple and effective label-free capillary electrophoretic analysis of sugars by complexation using quinoline boronic acids. *Analytical Chemistry*, **2015**, 87, 5068-73	7.8	6
50	Inner surface modification of poly(dimethylsiloxane) microchannel with chitin for electrophoretic analysis of proteins. *Microfluidics and Nanofluidics*, **2013**, 14, 933-941	2.8	6
49	High-speed analysis of proteins by microchip isoelectric focusing with linear-imaging UV detection. *Analytical Sciences*, **2009**, 25, 979-84	1.7	6
48	Enantioseparation of Reduced Haloperidol by Capillary Zone Electrophoresis with Dimethyl- Cyclodextrin. *Journal of the Chinese Chemical Society*, **1997**, 44, 141-144	1.5	6
47	Kinetics and mechanisms of the reactions of 9-substituted anthracene cation radicals with water or methanol in acetonitrile. *Journal of Electroanalytical Chemistry*, **2003**, 558, 49-57	4.1	6
46	The Use of Sodium 10-Undecylenyl Sulfate Oligomer and Sodium 10-Undecenoic Acid Oligomer as Pseudostationary Phases in Micellar Electrokinetic Chromatography.. *Analytical Sciences*, **2002**, 18, 101-103	1.7	6
45	Tunable Liquid Chromatographic Separation of H/D Isotopologues Enabled by Aromatic Interactions. *Analytical Chemistry*, **2020**, 92, 4065-4072	7.8	5
44	Quantitative ligand immobilization using alginate hydrogel formed in a capillary: application for online affinity concentration. *Analytical Chemistry*, **2014**, 86, 5977-82	7.8	5
43	Competitive ELISA-like Label-free Detection of Lysozyme by Using a Fluorescent Monomer-doped Molecularly Imprinted Hydrogel. *Analytical Sciences*, **2017**, 33, 1311-1315	1.7	5
42	Separation of saccharides using fullerene-bonded silica monolithic columns via interactions in liquid chromatography. *Scientific Reports*, **2020**, 10, 13850	4.9	5
41	Effect of Acidic Additives on Peak Capacity and Detectivity in Peptide Analysis Using Nano-Flow LC/MS with Low-Density ODS Modified Monolithic Silica Capillary Columns. *Chromatography*, **2016**, 37, 133-139	1.2	4
40	Sensitivity Enhancement by Sweeping via Solid Phase Extraction Using Titania Nanoparticles in Capillary Electrophoretic Analysis of Phosphopeptides. *Chromatography*, **2017**, 38, 39-43	1.2	4
39	Tunable Molecular Sieving in Gel Electrophoresis Using a Poly(ethylene glycol)-Based Hydrogel. *Chromatography*, **2014**, 35, 81-86	1.2	4
38	Trace level determination of polycyclic aromatic hydrocarbons in river water with automated pretreatment HPLC. *Journal of Separation Science*, **2013**, 36, 1128-34	3.4	4
37	Chiral micellar electrokinetic chromatography. *Methods in Molecular Biology*, **2004**, 243, 355-63	1.4	4
36	Controllable Molecular Sieving by copoly(Poly(ethylene glycol) Acrylate/Poly(ethylene glycol) Diacrylate)-Based Hydrogels via Capillary Electrophoresis for DNA Fragments. *ACS Applied Polymer Materials*, **2020**, 2, 3886-3893	4.3	4
35	Sensitivity Enhancement by Sweeping via Borate Complexation in Capillary Electrophoretic Analysis of Glycoproteins. *Chromatography*, **2014**, 35, 125-129	1.2	3

34	Detection of Molecular Adsorbate in Aqueous Solution Based on Electroosmosis. *Sensors and Materials*, **2019**, 31, 45	1.5	3
33	Suppression of Hydrophobicity and Optimizations of a Ligand-Immobilization for Effective Affinity Chromatography Using a Spongy Monolith. *Chromatography*, **2018**, 39, 113-118	1.2	3
32	Selective adsorption of trypsin using molecularly imprinted polymers prepared with PEG-based hydrogels containing anionic functional monomers. *Molecular Imprinting*, **2015**, 3,		2
31	Hydrodynamic nonadhesive cell retention in a microfluidic circuit for stressless suspension culture. *Analytical Methods*, **2015**, 7, 7264-7269	3.2	2
30	Hydrophilic interaction electrokinetic chromatography using bio-based nanofillers. *Electrophoresis*, **2014**, 35, 2229-36	3.6	2
29	Solvent induced nanostructure formation in polymer thin films: The impact of oxidation and solvent. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 444, 217-225	5.1	2
28	Rapid separations by LC using ion-exchange media based on spongy monoliths. *Journal of Separation Science*, **2013**, 36, 2813-8	3.4	2
27	Separation of nonionic compounds by electrokinetic chromatography using an inorganic layered compound as a pseudostationary phase. *Journal of Separation Science*, **2008**, 31, 829-36	3.4	2
26	Recent advances in microscale separation techniques for lipidome analysis. *Analyst, The*, **2021**, 146, 7418-7430	5	2
25	Highly Sensitive Detection Methods in Microchip Electrophoresis. *Bunseki Kagaku*, **2005**, 54, 1047-1060	0.2	2
24	Poly(ethylene glycol) Hydrogels with a Boronic Acid Monomer via Molecular Imprinting for Selective Removal of Quinic Acid Gamma-Lactone in Coffee. *ACS Applied Polymer Materials*, **2021**, 3, 226-232	4.3	2
23	Efficient total analyses for bromine type flame retardants by simple NICI-GC/MS. *Analytical Methods*, **2013**, 5, 866-873	3.2	1
22	High-Performance Microchip Electrophoresis by Using On-Line Sample Preconcentration and Partial Filling Techniques. *Bunseki Kagaku*, **2008**, 57, 1001-1010	0.2	1
21	Near Field Stimulated Time of Flight Mass Surface Analyzer. *Optical Review*, **2002**, 9, 277-281	0.9	1
20	On-line sample preconcentration by polarity switching in floating electrode-integrated microchannel. *Electrophoresis*, **2019**, 40, 2478-2483	3.6	1
19	Sample Preconcentration Protocols in Microfluidic Electrophoresis. *Methods in Molecular Biology*, **2019**, 1906, 65-78	1.4	1
18	Rational Strategy for Space-Confined Seeded Growth of ZnO Nanowires in Meter-Long Microtubes. *ACS Applied Materials & Interfaces*, **2021**, 13, 16812-16819	9.5	1
17	Molecularly Imprinted Materials **2019**, 159-178		0

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16	Hydrogels in Electrophoresis: Applications and Advances. *Analytical Sciences*, **2021**, 37, 807-816	1.7	0
15	Fluorescent detection of target proteins a molecularly imprinted hydrogel. *Analytical Methods*, **2021**, 13, 3086-3091	3.2	0
14	Preparation of Quantum Dots for Highly Sensitive Analysis of Alkali Metal and Ammonium Ions. *Bunseki Kagaku*, **2014**, 63, 943-949	0.2	
13	Simple Preparation and Characterization of Viscoelastic Gels Induced by Multiple Intermolecular Interactions Using Low-Molecular-Weight Species. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 1575-1580	5.1	
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