Miroslav Macka

List of Publications by Year
in descending order

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199 papers	5,977 citations	70961 41 h-index	128067 60 g-index
202 all docs	202 docs citations	202 times ranked	3862 citing authors

#	Article	IF	Citations
1	UV-light-actuated in-situ preparation of paper@ZnCd quantum dots for paper-based enzymatic nanoreactors. Chemical Engineering Journal, 2022, 428, 132508.	6.6	7
2	Isotachophoresis for rapid transformation of Escherichia coli. Electrophoresis, 2022, 43, 543-547.	1.3	2
3	Detection of pesticides in food products using paper-based devices by UV-induced fluorescence spectroscopy combined with molecularly imprinted polymers. Food Chemistry, 2022, 380, 132141.	4.2	20
4	Distance-based detection in analytical flow devices: From gas detection tubes to microfluidic chips and microfluidic paper-based analytical devices. TrAC - Trends in Analytical Chemistry, 2022, 150, 116581.	5.8	21
5	Metallothionein dimerization evidenced by QD-based FÃ¶rster resonance energy transfer and capillary electrophoresis. International Journal of Biological Macromolecules, 2021, 170, 53-60.	3.6	2
6	UV-induced Zn:Cd/S quantum dots in-situ formed in the presence of thiols for sensitive and selective fluorescence detection of thiols. Scientific Reports, 2021, 11, 13806.	1.6	9
7	Paperfluidic devices with a selective molecularly imprinted polymer surface for instrumentation-free distance-based detection of protein biomarkers. Sensors and Actuators B: Chemical, 2021, 341, 129999.	4.0	17
8	Miniature and fully portable gradient capillary liquid chromatograph. Analytica Chimica Acta, 2020, 1101, 199-210.	2.6	45
9	One step multi-material 3D printing for the fabrication of a photometric detector flow cell. Analytica Chimica Acta, 2020, 1097, 127-134.	2.6	34
10	Paper-based sol-gel thin films immobilized cytochrome P450 for enzyme activity measurement. Analytica Chimica Acta, 2020, 1098, 86-93.	2.6	10
11	Miniature Multiwavelength Deep UV-LED-Based Absorption Detection System for Capillary LC. Analytical Chemistry, 2020, 92, 13688-13693.	3.2	14
12	Miniaturized LC in Molecular Omics. Analytical Chemistry, 2020, 92, 11485-11497.	3.2	30
13	Continuous and real-time indoor and outdoor methane sensing with portable optical sensor using rapidly pulsed IR LEDs. Talanta, 2020, 218, 121144.	2.9	18
14	Distance-based paper device using polydiacetylene liposome as a chromogenic substance for rapid and in-field analysis of quaternary ammonium compounds. Analytical and Bioanalytical Chemistry, 2020, 412, 3221-3230.	1.9	7
15	Radiometric characterisation of light sources used in analytical chemistry â€“ A review. Analytica Chimica Acta, 2020, 1123, 113-127.	2.6	4
16	Ion-Exchange Based Immobilization of Chromogenic Reagents on Microfluidic Paper Analytical Devices. Analytical Chemistry, 2019, 91, 8756-8761.	3.2	19
17	Electrochemical characterisation of nanoparticulate zirconium dioxide-on-gold electrode for electrochemical detection in flow-based analytical systems. Electrochimica Acta, 2019, 318, 61-68.	2.6	6
18	Portable device for continuous sensing with rapidly pulsed LEDs â€“ Part 1: Rapid on-the-fly processing of large data streams using an open source microcontroller with field programmable gate array. Measurement: Journal of the International Measurement Confederation, 2019, 146, 749-757.	2.5	4

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19	Instrument-free argentometric determination of chloride via trapezoidal distance-based microfluidic paper devices. Analytica Chimica Acta, 2019, 1063, 1-8.	2.6	53
20	Capillary gap flow cell as capillary-end electrochemical detector in flow-based analysis. Electrochimica Acta, 2019, 303, 85-93.	2.6	5
21	Trends in analytical separations of magnetic (nano)particles. TrAC - Trends in Analytical Chemistry, 2019, 114, 89-97.	5.8	31
22	Fast pulsed amperometric waveform for miniaturised flow-through electrochemical detection: Application in monitoring graphene oxide reduction. Electrochimica Acta, 2019, 328, 135087.	2.6	2
23	High-throughput deposition of chemical reagents via pen-plotting technique for microfluidic paper-based analytical devices. Analytica Chimica Acta, 2019, 1047, 115-123.	2.6	29
24	Prospects of pulsed amperometric detection in flow-based analytical systems - A review. Analytica Chimica Acta, 2019, 1052, 10-26.	2.6	36
25	Radiometric analysis of UV to near infrared LEDs for optical sensing and radiometric measurements in photochemical systems. Sensors and Actuators B: Chemical, 2018, 262, 171-179.	4.0	18
26	Separation of superparamagnetic magnetite nanoparticles by capillary zone electrophoresis using nonâ€complexing and complexing electrolyte anions and tetramethylammonium as dispersing additive. Electrophoresis, 2018, 39, 1429-1436.	1.3	11
27	Short-sweep capillary electrophoresis with a selective zinc fluorescence imaging reagent FluoZin-3 for determination of free and metalothionein-2a-bound Zn2+ ions. Analytica Chimica Acta, 2018, 1017, 41-47.	2.6	5
28	Miniaturised electrically actuated high pressure injection valve for portable capillary liquid chromatography. Talanta, 2018, 180, 32-35.	2.9	12
29	Chemometric Approach to the Calibration of Light Emitting Diode Based Optical Gas Sensors Using High-Resolution Transmission Molecular Absorption Data. Analytical Chemistry, 2018, 90, 5973-5976.	3.2	4
30	High power deep UV-LEDs for analytical optical instrumentation. Sensors and Actuators B: Chemical, 2018, 255, 1238-1243.	4.0	25
31	High sensitivity deep-UV LED-based z-cell photometric detector for capillary liquid chromatography. Analytica Chimica Acta, 2018, 1032, 197-202.	2.6	21
32	Miniaturized capillary ion chromatograph with UV lightâ€emitting diode based indirect absorbance detection for anion analysis in potable and environmental waters. Journal of Separation Science, 2018, 41, 3224-3231.	1.3	24
33	Comparison of cation-exchange capillary columns used for ion chromatographic separation of biogenic amines. Journal of Chromatography A, 2018, 1571, 193-200.	1.8	11
34	Nanotechnology-based analytical approaches for detection of viruses. Analytical Methods, 2017, 9, 2375-2391.	1.3	37
35	3D printed LED based on-capillary detector housing with integrated slit. Analytica Chimica Acta, 2017, 965, 131-136.	2.6	49
36	Isotachophoretic Fluorescence in Situ Hybridization of Intact Bacterial Cells. Analytical Chemistry, 2017, 89, 6513-6520.	3.2	20

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37	Microfluidic high performance liquid chromatography-chip hyphenation to inductively coupled plasmaâ€“mass spectrometry. Journal of Chromatography A, 2017, 1497, 64-69.	1.8	21
38	Miniaturization and microfluidics. , 2017, , 619-636.		2
39	Geometrical Alignment of Multiple Fabrication Steps for Rapid Prototyping of Microfluidic Paper-Based Analytical Devices. Analytical Chemistry, 2017, 89, 11918-11923.	3.2	26
40	Performance of a New 235 nm UV-LED-Based On-Capillary Photometric Detector. Analytical Chemistry, 2016, 88, 12116-12121.	3.2	52
41	A novel highly flexible, simple, rapid and low-cost fabrication tool for paper-based microfluidic devices (Î¼PADs) using technical drawing pens and in-house formulated aqueous inks. Analytica Chimica Acta, 2016, 919, 70-77.	2.6	73
42	Flow injection analysis of organic peroxide explosives using acid degradation and chemiluminescent detection of released hydrogen peroxide. Talanta, 2015, 143, 191-197.	2.9	14
43	Fibre coupled micro-light emitting diode array light source with integrated band-pass filter for fluorescence detection in miniaturised analytical systems. Analytica Chimica Acta, 2015, 871, 85-92.	2.6	5
44	Surface-area expansion with monolithic open tubular columns. TrAC - Trends in Analytical Chemistry, 2015, 67, 16-25.	5.8	42
45	Micellar electrokinetic chromatography of organic and peroxide-based explosives. Analytica Chimica Acta, 2015, 876, 91-97.	2.6	7
46	Counter-pressure-assisted ITP with electrokinetic injection under field-amplified conditions for bacterial analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 6995-7002.	1.9	9
47	Miniaturised medium pressure capillary liquid chromatography system with flexible open platform design using off-the-shelf microfluidic components. Analytica Chimica Acta, 2015, 896, 166-176.	2.6	41
48	Light-Emitting Diodes for Analytical Chemistry. Annual Review of Analytical Chemistry, 2014, 7, 183-207.	2.8	100
49	Molecular imprinted polymeric porous layers in open tubular capillaries for chiral separations. Journal of Chromatography A, 2014, 1354, 85-91.	1.8	67
50	On-line simultaneous and rapid separation of anions and cations from a single sample using dual-capillary sequential injection-capillary electrophoresis. Analytica Chimica Acta, 2013, 781, 80-87.	2.6	58
51	Analytical isotachophoresis of lactate in human serum using dry film photoresist microfluidic chips compatible with a commercially available field-deployable instrument platform. Analytica Chimica Acta, 2013, 803, 135-142.	2.6	16
52	Porous layer open tubular monolith capillary column: switching-off the reaction kinetics as the governing factor in their preparation by using an immiscible liquid-controlled polymerization. RSC Advances, 2013, 3, 24927.	1.7	5
53	Exploring chip-capillary electrophoresis-laser-induced fluorescence field-deployable platform flexibility: Separations of fluorescent dyes by chip-based non-aqueous capillary electrophoresis. Journal of Chromatography A, 2013, 1286, 216-221.	1.8	25
54	Microfluidic isotachophoresis: A review. Electrophoresis, 2013, 34, 1493-1509.	1.3	71

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55	Rapid and sensitive microbial analysis by capillary isotachophoresis with continuous electrokinetic injection under field amplified conditions. Electrophoresis, 2013, 34, 1657-1662.	1.3	21
56	Potential of Capillary Electrophoresis (CE) and Chip-CE with Dual Detection (Capacitively-Coupled) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 and Cotinine Derivatization. Analytical Sciences, 2013, 29, 339-344.	0.8	13
57	Editorial. Electrophoresis, 2013, 34, 1439-1440.	1.3	0
58	Isotachophoresis on a chip with indirect fluorescence detection as a field deployable system for analysis of carboxylic acids. Electrophoresis, 2012, 33, 3166-3172.	1.3	14
59	Inorganic monoliths in separation science: A review. Analytica Chimica Acta, 2012, 750, 28-47.	2.6	53
60	Separation of carboxylic acids in human serum by isotachophoresis using a commercial field-deployable analytical platform combined with in-house glass microfluidic chips. Analytica Chimica Acta, 2012, 755, 115-120.	2.6	14
61	Numerical Modelling of Light Propagation for Development of Capillary Electrophoretic and Photochemical Detection Systems. , 2012, , .		1
62	Rapid separations of nile blue stained microorganisms as cationic charged species by chipâ€‹<scp>CE</scp> with <scp>LIF</scp>. Electrophoresis, 2012, 33, 1421-1426.	1.3	18
63	Monolithic porous layer open tubular (monoPLOT) columns for low pressure liquid chromatography of proteins. Analytical Methods, 2011, 3, 537.	1.3	25
64	Versatile Capillary Column Temperature Control Using a Thermoelectric Array Based Platform. Analytical Chemistry, 2011, 83, 4307-4313.	3.2	25
65	Polymerisation and surface modification of methacrylate monoliths in polyimide channels and polyimide coated capillaries using 660 nm light emitting diodes. Journal of Chromatography A, 2011, 1218, 2954-2962.	1.8	22
66	Numerical model for light propagation and light intensity distribution inside coated fused silica capillaries. Optics and Lasers in Engineering, 2011, 49, 924-931.	2.0	4
67	Photoreversible ion-binding using spiropyran modified silica microbeads. International Journal of Nanomanufacturing, 2010, 5, 38.	0.3	7
68	White LEDs as broad spectrum light sources for spectrophotometry: Demonstration in the visible spectrum range in a diodeâ€‹array spectrophotometric detector. Electrophoresis, 2010, 31, 3737-3744.	1.3	10
69	Chipâ€‹based CE for rapid separation of 8â€‹aminopyreneâ€‹1,3,6â€‹trisulfonic acid (APTS) derivatized glycans. Electrophoresis, 2010, 31, 3783-3786.	1.3	37
70	Visible light initiated polymerization of styrenic monolithic stationary phases using 470â€‰nm light emitting diode arrays. Journal of Separation Science, 2010, 33, 61-66.	1.3	38
71	Portable capillary-based (non-chip) capillary electrophoresis. TrAC - Trends in Analytical Chemistry, 2010, 29, 339-353.	5.8	87
72	Photochromic spiropyran monolithic polymers: Molecular photo-controllable electroosmotic pumps for micro-fluidic devices. Sensors and Actuators B: Chemical, 2010, 148, 569-576.	4.0	13

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73	The use of scanning contactless conductivity detection for the characterisation of stationary phases in micro-fluidic chips. Lab on A Chip, 2010, 10, 1777.	3.1	12
74	Combined Contactless Conductometric, Photometric, and Fluorimetric Single Point Detector for Capillary Separation Methods. Analytical Chemistry, 2010, 82, 129-135.	3.2	55
75	Evanescent wave-initiated photopolymerisation as a new way to create monolithic open-tubular capillary columns: use as enzymatic microreactor for on-line protein digestion. Analyst, The, 2010, 135, 477.	1.7	29
76	Photoswitchable Stationary Phase Based on Packed Spiropyran Functionalized Silica Microbeads. E-Journal of Surface Science and Nanotechnology, 2009, 7, 649-652.	0.1	5
77	Determination of the surface heatâ€transfer coefficient in CE. Electrophoresis, 2009, 30, 910-920.	1.3	8
78	Recent significant developments in detection and method development for the determination of inorganic ions by CE. Electrophoresis, 2009, 30, S53-67.	1.3	29
79	Spiropyran modified micro-fluidic chip channels as photonically controlled self-indicating system for metal ion accumulation and release. Sensors and Actuators B: Chemical, 2009, 140, 295-303.	4.0	38
80	Development of Microfluidic Chips for Heterogeneous Receptorâ˜Ligand Interaction Studies. Analytical Chemistry, 2009, 81, 5095-5098.	3.2	14
81	Deep-UV-LEDs in photometric detection: A 255 nm LED on-capillary detector in capillary electrophoresis. Analyst, The, 2009, 134, 2394.	1.7	36
82	CE study of neuroprotective humanin peptide and its derivatives: Interactions with phosphate, sulphate, alkylsulphonates and sulphatedâ€Î²â€CD. Electrophoresis, 2008, 29, 665-671.	1.3	2
83	UV-LED photopolymerised monoliths. Analyst, The, 2008, 133, 864.	1.7	35
84	UV-absorbance detector for HPLC based on a light-emitting diode. Analyst, The, 2008, 133, 465.	1.7	34
85	Photoinitiated polymerisation of monolithic stationary phases in polyimide coated capillaries using visible region LEDs. Chemical Communications, 2008, , 6504.	2.2	36
86	Using coupled monolithic rods for ultra-high peak capacity LC and LCâ€“MS under normal LC operating pressures. Analyst, The, 2008, 133, 180-183.	1.7	10
87	Polystyrene bead-based system for optical sensing using spiropyran photoswitches. Journal of Materials Chemistry, 2008, 18, 5063.	6.7	54
88	Development of a contactless conductivity detector cell for 1.6 mm O.D. (1/16th inch) HPLC tubing and micro-bore columns with on-column detection. Analyst, The, 2008, 133, 1104.	1.7	18
89	Deep-UV Detector for HPLC with Light-Emitting Diode. Chimia, 2008, 62, 860.	0.3	0
90	Beads-Based System for Optical Sensing Using Spiropyran Photoswitches. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4096-7.	0.5	1

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91	Identification of Inorganic Improvised Explosive Devices by Analysis of Postblast Residues Using Portable Capillary Electrophoresis Instrumentation and Indirect Photometric Detection with a Light-Emitting Diode. Analytical Chemistry, 2007, 79, 7005-7013.	3.2	125
92	Use of contactless conductivity detection for non-invasive characterisation of monolithic stationary-phase coatings for application in capillary ion chromatography. Analyst, The, 2007, 132, 1238.	1.7	38
93	Micro-flow injection analysis system: on-chip sample preconcentration, injection and delivery using coupled monolithic electroosmotic pumps. Lab on A Chip, 2007, 7, 1597.	3.1	24
94	Robust monolithic silica-based on-chip electro-osmotic micro-pump. Analyst, The, 2007, 132, 417.	1.7	33
95	Evaluation of monolithic and sub 2 Âµm particle packed columns for the rapid screening for illicit drugsâ€"application to the determination of drug contamination on Irish euro banknotes. Analyst, The, 2007, 132, 208-217.	1.7	29
96	New Fully Portable Instrument for the Versatile Determination of Cations and Anions by Capillary Electrophoresis with Contactless Conductivity Detection. Electroanalysis, 2007, 19, 2059-2065.	1.5	106
97	Separation of Nile Blue-labelled fatty acids by CE with absorbance detection using a red light-emitting diode. Electrophoresis, 2007, 28, 1252-1258.	1.3	22
98	Lightâ€emitting diodeâ€compatible probes for indirect detection of anions in CE. Electrophoresis, 2007, 28, 3453-3460.	1.3	6
99	Fluorinated ethylenepropylene copolymer as a potential capillary material in CE. Electrophoresis, 2007, 28, 3477-3484.	1.3	6
100	Reliable electrophoretic mobilities free from Joule heating effects using CE. Electrophoresis, 2007, 28, 3759-3766.	1.3	23
101	Evaluation of capillary ion exchange stationary phase coating distribution and stability using radial capillary column contactless conductivity detection. Analyst, The, 2006, 131, 886.	1.7	32
102	Temperature Profiles and Heat Dissipation in Capillary Electrophoresis. Analytical Chemistry, 2006, 78, 2684-2693.	3.2	33
103	Non-aqueous capillary electrophoresis with red light emitting diode absorbance detection for the analysis of basic dyes. Analytica Chimica Acta, 2006, 580, 188-193.	2.6	37
104	On-line preconcentration of organic anions in capillary electrophoresis by solid-phase extraction using latex-coated monolithic stationary phases. Journal of Chromatography A, 2006, 1106, 43-51.	1.8	47
105	Preparation and characterisation of anion-exchange latex-coated silica monoliths for capillary electrochromatography. Journal of Chromatography A, 2006, 1109, 10-18.	1.8	70
106	Comparison of Different Contactless Conductivity Detectors for the Determination of Small Inorganic Ions by Capillary Electrophoresis. Electroanalysis, 2006, 18, 1289-1296.	1.5	32
107	Variation of zeta-potential with temperature in fused-silica capillaries used for capillary electrophoresis. Electrophoresis, 2006, 27, 672-676.	1.3	38
108	Preparation and characterisation of dual-layer latex-coated columns for open-tubular capillary electrochromatographic preconcentration of cations combined in-line with their separation by capillary electrophoresis. Electrophoresis, 2006, 27, 1069-1077.	1.3	37

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109	Sensitive determination of carbohydrates labelled withp-nitroaniline by capillary electrophoresis with photometric detection using a 406 nm light-emitting diode. Electrophoresis, 2006, 27, 4039-4046.	1.3	18
110	Simultaneous separation of nitrofuran antibiotics and their metabolites by using micellar electrokinetic capillary chromatography. Electrophoresis, 2006, 27, 4069-4077.	1.3	31
111	Enhancement of Separation Capability of Inorganic Ions by Capillary Electrochromatography. Bunseki Kagaku, 2005, 54, 107-120.	0.1	2
112	Contactless conductivity detection of synthetic polymers in non-aqueous size-exclusion electrokinetic chromatography. Journal of Chromatography A, 2005, 1068, 183-187.	1.8	16
113	Internal electrolyte temperatures for polymer and fused-silica capillaries used in capillary electrophoresis. Electrophoresis, 2005, 26, 4333-4344.	1.3	16
114	Isoelectric Buffers for Capillary Electrophoresis. 2. Bismorpholine Derivative of a Carboxylic Acid as a Low Molecular Weight Isoelectric Buffer. Analytical Chemistry, 2005, 77, 120-125.	3.2	15
115	Latex-Coated Polymeric Monolithic Ion-Exchange Stationary Phases. 1. Anion-Exchange Capillary Electrochromatography and In-Line Sample Preconcentration in Capillary Electrophoresis. Analytical Chemistry, 2005, 77, 407-416.	3.2	118
116	Rapid Capillary Electrophoretic Method for Trace Chromium Speciation Using a Zwitterionic Isoelectric Polymer Coated Capillary and Photodiode Array Detection. Analytical Letters, 2004, 37, 2771-2787.	1.0	4
117	Use of coupled open-tubular capillaries for in-line ion-exchange preconcentration of anions by capillary electrochromatography with elution by a transient isotachophoretic gradient. Journal of Chromatography A, 2004, 1039, 187-192.	1.8	28
118	Poly(tetrafluoroethylene) separation capillaries for capillary electrophoresis. Journal of Chromatography A, 2004, 1039, 193-199.	1.8	21
119	Development of a fully buffered molybdate electrolyte for capillary electrophoresis with indirect detection and its use for analysis of anions in Bayer liquor. Electrophoresis, 2004, 25, 437-443.	1.3	20
120	Optimisation of selectivity in the separation of aromatic amino acid enantiomers using sulfatedÃŸ-cyclodextrin and dextran sulfate as pseudostationary phases. Electrophoresis, 2004, 25, 270-276.	1.3	16
121	Design and performance of a light-emitting diode detector compatible with a commercial capillary electrophoresis instrument. Electrophoresis, 2004, 25, 3145-3152.	1.3	48
122	Determination of inorganic ions using microfluidic devices. Electrophoresis, 2004, 25, 3602-3624.	1.3	43
123	Conductivity detection for conventional and miniaturised capillary electrophoresis systems. Electrophoresis, 2004, 25, 4032-4057.	1.3	128
124	Selectivity control in the separation of aromatic amino acid enantiomers with sulphated Î²-cyclodextrin. Journal of Chromatography A, 2004, 1031, 179-186.	1.8	9
125	Speciation of arsenic and selenium by capillary electrophoresis. Journal of Chromatography A, 2004, 1039, 201-208.	1.8	39
126	Simultaneous separation of anions and cations by capillary electrophoresis with high magnitude, reversed electroosmotic flow. Journal of Chromatography A, 2004, 1050, 217-222.	1.8	30

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127	Simultaneous separation of anions and cations by capillary electrophoresis with high magnitude, reversed electroosmotic flow. Journal of Chromatography A, 2004, 1050, 217-22.	1.8	0
128	Biopolymer-coated fused silica capillaries for high magnitude cathodic or anodic electro-osmotic flows in capillary electrophoresis. Chromatographia, 2003, 57, S187-S193.	0.7	7
129	Capillary electrophoresis determinations of trace concentrations of inorganic ions in large excess of chloride: Soft modelling using artificial neural networks for optimisation of electrolyte composition. Electrophoresis, 2003, 24, 2252-2258.	1.3	7
130	Enhancement of detection sensitivity for indirect photometric detection of anions and cations in capillary electrophoresis. Electrophoresis, 2003, 24, 2150-2167.	1.3	69
131	Trace determination of arsenic species by capillary electrophoresis with direct UV detection using sensitivity enhancement by counter- or co-electroosmotic flow stacking and a high-sensitivity cell. Electrophoresis, 2003, 24, 2045-2053.	1.3	33
132	Miniaturized movable contactless conductivity detection cell for capillary electrophoresis. Electrophoresis, 2003, 24, 2144-2149.	1.3	49
133	Sensitive indirect photometric detection of inorganic and small organic anions by capillary electrophoresis using Orange G as a probe ion. Electrophoresis, 2003, 24, 557-566.	1.3	28
134	Separation of opiate alkaloids by electrokinetic chromatography with sulfated-cyclodextrin as a pseudo-stationary phase. Journal of Chromatography A, 2003, 985, 493-501.	1.8	21
135	Highly sensitive indirect photometric detection of cations by capillary electrophoresis with the cationic dye chrysoidine. Journal of Chromatography A, 2003, 997, 87-94.	1.8	28
136	Mixed-mode electrokinetic chromatography of aromatic bases with two pseudo-stationary phases and pH control. Journal of Chromatography A, 2003, 997, 207-218.	1.8	10
137	Electrokinetic Chromatography Utilizing Two Pseudostationary Phases Providing Ion-Exchange and Hydrophobic Interactions. Analytical Chemistry, 2002, 74, 1241-1248.	3.2	12
138	On-Column Ion-Exchange Preconcentration of Inorganic Anions in Open Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 3. Implementation and Method Development. Analytical Chemistry, 2002, 74, 2112-2118.	3.2	101
139	Performance of a simple UV LED light source in the capillary electrophoresis of inorganic anions with indirect detection using a chromate background electrolyte. Analyst, The, 2002, 127, 1564-1567.	1.7	52
140	Simultaneous separation of inorganic anions and cations using capillary electrophoresis with a movable contactless conductivity detector. Analyst, The, 2002, 127, 715-718.	1.7	67
141	Optimisation of probe concentration in indirect photometric detection in capillary electrophoresis using highly absorbing dyes. Electrophoresis, 2002, 23, 43.	1.3	16
142	Measurement of thiol-containing amino acids and phytochelatin (PC2) via capillary electrophoresis with laser-induced fluorescence detection. Electrophoresis, 2002, 23, 81.	1.3	29
143	Capillary electrophoretic study of interactions of metal ions with crown ethers, a sulfated Î²-cyclodextrin, and zwitterionic buffers present as additives in the background electrolyte. Electrophoresis, 2002, 23, 1796.	1.3	29
144	Modelling, optimisation and control of selectivity in the separation of aromatic bases by electrokinetic chromatography using a neutral cyclodextrin as a pseudostationary phase. Electrophoresis, 2002, 23, 1844.	1.3	8

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145	Separation of organic and inorganic arsenic species by capillary electrophoresis using direct spectrophotometric detection. Electrophoresis, 2002, 23, 2430-2438.	1.3	39
146	Modelling and optimization of the electrokinetic chromatographic separation of mixtures of organic anions and cations using poly(diallydimethyl- ammonium chloride) and hexanesulfonate as mixed pseudostationary phases. Electrophoresis, 2002, 23, 2821-2832.	1.3	13
147	Separation and determination of vanadium in fertiliser by capillary electrophoresis with a light-emitting diode detector. Analytical and Bioanalytical Chemistry, 2002, 374, 1082-1085.	1.9	34
148	The use of the Boxâ€“Behnken experimental design in the optimisation and robustness testing of a capillary electrophoresis method for the analysis of ethambutol hydrochloride in a pharmaceutical formulation. Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 995-1007.	1.4	131
149	New isoelectric buffers for capillary electrophoresis: N-carboxymethylated polyethyleneimine as a macromolecular isoelectric buffer. Analyst, The, 2001, 126, 421-425.	1.7	13
150	Speciation of Tin, Lead, Mercury, Arsenic and Selenium Compounds by Capillary Electrophoresis. International Journal of Environmental Analytical Chemistry, 2001, 81, 161-205.	1.8	23
151	On-Capillary Ion-Exchange Preconcentration of Inorganic Anions in Open-Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 2. Characterization of the Isotachophoretic Gradient. Analytical Chemistry, 2001, 73, 820-828.	3.2	65
152	Modification of the electroosmotic flow and separation selectivity of anions in electrochromatography with pseudo-stationary phases of C14-alkyldimethylammoniopropane sulfonate zwitterionic surfactants by addition of salts to the background electrolyte. Fresenius' Journal of Analytical Chemistry, 2001, 371, 502-506.	1.5	17
153	Determination of inorganic anions by capillary electrochromatography. TrAC - Trends in Analytical Chemistry, 2001, 20, 355-364.	5.8	23
154	Modelling of migration behaviour of inorganic anions in ion-exchange capillary electrochromatography. Electrophoresis, 2001, 22, 503-510.	1.3	14
155	Anion-exchange capillary electrochromatography with indirect UV and direct contactless conductivity detection. Electrophoresis, 2001, 22, 1273-1281.	1.3	63
156	Separation of niobium(V) and tantalum(V) as ternary complexes with citrate and metallochromic ligands by capillary electrophoresis. Analytica Chimica Acta, 2001, 434, 301-307.	2.6	17
157	Determination of association constants of inorganic ions with C12- and C14-alkyldimethylammoniopropane sulfonate zwitterionic surfactants using capillary electrochromatography. Analytica Chimica Acta, 2001, 442, 221-230.	2.6	32
158	Practical method for evaluation of linearity and effective pathlength of on-capillary photometric detectors in capillary electrophoresis. Journal of Chromatography A, 2001, 927, 237-241.	1.8	27
159	Indirect photomeric detection of anions in capillary electrophoresis using dyes as probes and electrolytes buffered with an isoelectric ampholyte. Electrophoresis, 2000, 21, 1312-1319.	1.3	35
160	Indirect spectrophotometric detection of inorganic anions in ion-exchange capillary electrochromatography. Electrophoresis, 2000, 21, 3073-3080.	1.3	33
161	Peak shapes in open tubular ion-exchange capillary electrochromatography of inorganic anions. Journal of Chromatography A, 2000, 892, 303-313.	1.8	29
162	Elution mechanism in electrostatic ion chromatography with histidine as an isoelectric ampholytic mobile phase. Journal of Chromatography A, 2000, 884, 287-296.	1.8	11

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