

Michael C Breadmore

List of Publications by Year in descending order

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209
papers

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docs citations

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times ranked

6943
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Continuous monitoring of <sc>EDTA</sc> extractable iron from mineral slurries using a microfluidic chip. Canadian Journal of Chemical Engineering, 2023, 101, 944-952. | 1.7 | 1 |
| 2 | Isotachophoresis for rapid transformation of <i>Escherichia coli</i>. Electrophoresis, 2022, 43, 543-547. | 2.4 | 2 |
| 3 | Inexpensive portable capillary electrophoresis instrument for Monitoring Zinc(II) in remote areas. Journal of Chromatography A, 2022, 1668, 462895. | 3.7 | 20 |
| 4 | Miniaturized 3D printed solid-phase extraction cartridges with integrated porous frits. Analytica Chimica Acta, 2022, 1208, 339790. | 5.4 | 6 |
| 5 | Stalk cell polar ion transport provide for bladder-based salinity tolerance in <i>Chenopodium quinoa</i>. New Phytologist, 2022, 235, 1822-1835. | 7.3 | 8 |
| 6 | Biphasic Magnetic Levitation to Detect Organic Pollutants on Microplastics. Analytical Chemistry, 2022, 94, 9033-9039. | 6.5 | 5 |
| 7 | An Open Microfluidic Chip for Continuous Sampling of Solute from a Turbulent Particle Suspension. Angewandte Chemie - International Edition, 2021, 60, 2654-2657. | 13.8 | 7 |
| 8 | An Open Microfluidic Chip for Continuous Sampling of Solute from a Turbulent Particle Suspension. Angewandte Chemie, 2021, 133, 2686-2689. | 2.0 | 1 |
| 9 | Scalable 3D printing method for the manufacture of single-material fluidic devices with integrated filter for point of collection colourimetric analysis. Analytica Chimica Acta, 2021, 1151, 238101. | 5.4 | 13 |
| 10 | An electrophoretic ion analyzer for on-site autonomous water monitoring. Journal of Chromatography A, 2021, 1637, 461791. | 3.7 | 14 |
| 11 | Optimization of smartphone-based on-site-capable uranium analysis in water using a 3D printed microdevice. Analytical and Bioanalytical Chemistry, 2021, 413, 3243-3251. | 3.7 | 9 |
| 12 | Automated liquid-liquid extraction of organic compounds from aqueous samples using a multifunction autosampler syringe. Journal of Chromatography A, 2021, 1642, 462032. | 3.7 | 13 |
| 13 | Hyphenated sample preparation-electrospray and nano-electrospray ionization mass spectrometry for biofluid analysis. Journal of Chromatography A, 2021, 1646, 462086. | 3.7 | 5 |
| 14 | Current applications of colourimetric microfluidic devices (smart phone based) for soil nutrient determination. , 2021, , 103-128. | | 5 |
| 15 | Porphyrin-based colorimetric sensing of perfluorooctanoic acid as proof of concept for perfluoroalkyl substance detection. Chemical Communications, 2021, 57, 11649-11652. | 4.1 | 8 |
| 16 | One step multi-material 3D printing for the fabrication of a photometric detector flow cell. Analytica Chimica Acta, 2020, 1097, 127-134. | 5.4 | 34 |
| 17 | Integrated 3D printed heaters for microfluidic applications: Ammonium analysis within environmental water. Analytica Chimica Acta, 2020, 1098, 94-101. | 5.4 | 38 |
| 18 | The influence of electrolyte concentration on nanofractures fabricated in a 3D-printed microfluidic device by controlled dielectric breakdown. Electrophoresis, 2020, 41, 2007-2014. | 2.4 | 2 |

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|----|--|------|-----------|
| 19 | In-Syringe Electrokinetic Protein Removal from Biological Samples prior to Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , 2020, 132, 23362-23368. | 2.0 | 0 |
| 20 | In-Syringe Electrokinetic Protein Removal from Biological Samples prior to Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23162-23168. | 13.8 | 4 |
| 21 | Rapid Additive Manufacturing of 3D Geometric Structures via Dual-Wavelength Polymerization. <i>ACS Macro Letters</i> , 2020, 9, 1409-1414. | 4.8 | 10 |
| 22 | Increasing the functionalities of 3D printed microchemical devices by single material, multimaterial, and print-pause-print 3D printing. <i>Lab on A Chip</i> , 2019, 19, 35-49. | 6.0 | 135 |
| 23 | In-Syringe Electrokinetic Ampholytes Focusing Coupled with Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 8259-8266. | 6.5 | 4 |
| 24 | β -Cyclodextrin-copper (II) complex as chiral selector in capillary electrophoresis for the enantioseparation of β -blockers. <i>Journal of Chromatography A</i> , 2019, 1596, 233-240. | 3.7 | 14 |
| 25 | Integrated Microfluidic Devices Fabricated in Poly (Methyl Methacrylate) (PMMA) for On-site Therapeutic Drug Monitoring of Aminoglycosides in Whole Blood. <i>Biosensors</i> , 2019, 9, 19. | 4.7 | 16 |
| 26 | A three-dimensional printed electromembrane extraction device for capillary electrophoresis. <i>Journal of Chromatography A</i> , 2019, 1595, 215-220. | 3.7 | 32 |
| 27 | Trends in analytical separations of magnetic (nano)particles. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 89-97. | 11.4 | 31 |
| 28 | In-Transit Electroextraction of Small Molecule Pharmaceuticals from Blood. <i>Angewandte Chemie</i> , 2019, 131, 3830-3834. | 2.0 | 0 |
| 29 | In-Transit Electroextraction of Small Molecule Pharmaceuticals from Blood. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3790-3794. | 13.8 | 10 |
| 30 | Preconcentration by solvent removal: techniques and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1715-1727. | 3.7 | 19 |
| 31 | Three-Dimensional Printing of Abrasive, Hard, and Thermally Conductive Synthetic Microdiamond-Polymer Composite Using Low-Cost Fused Deposition Modeling Printer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4353-4363. | 8.0 | 73 |
| 32 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2016-2018). <i>Electrophoresis</i> , 2019, 40, 17-39. | 2.4 | 113 |
| 33 | Multimaterial 3D Printed Fluidic Device for Measuring Pharmaceuticals in Biological Fluids. <i>Analytical Chemistry</i> , 2019, 91, 1758-1763. | 6.5 | 61 |
| 34 | On-line solvent exchange system: Automation from extraction to analysis. <i>Analytica Chimica Acta</i> , 2019, 1047, 231-237. | 5.4 | 5 |
| 35 | Precise, accurate and user-independent blood collection system for dried blood spot sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3315-3323. | 3.7 | 44 |
| 36 | Evaporative membrane modulation for comprehensive two-dimensional liquid chromatography. <i>Analytica Chimica Acta</i> , 2018, 1000, 303-309. | 5.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Recent trends in capillary and micro-chip electrophoretic instrumentation for field-analysis. Trends in Environmental Analytical Chemistry, 2018, 18, 1-10. | 10.3 | 38 |
| 38 | Thread based electrofluidic platform for direct metabolite analysis in complex samples. Analytica Chimica Acta, 2018, 1000, 283-292. | 5.4 | 41 |
| 39 | Low-Cost Passive Sampling Device with Integrated Porous Membrane Produced Using Multimaterial 3D Printing. Analytical Chemistry, 2018, 90, 12081-12089. | 6.5 | 55 |
| 40 | Separation of Small-Mass Ions. , 2018, , 353-372. | | 0 |
| 41 | The role of gratitude in enhancing the relationship between doctoral research students and their supervisors. Teaching in Higher Education, 2017, 22, 621-638. | 2.6 | 25 |
| 42 | Editorsâ€™ Tribute to Professor Hanfa Zou. Journal of Chromatography A, 2017, 1486, 1. | 3.7 | 0 |
| 43 | 3D printed LED based on-capillary detector housing with integrated slit. Analytica Chimica Acta, 2017, 965, 131-136. | 5.4 | 49 |
| 44 | Comparing Microfluidic Performance of Three-Dimensional (3D) Printing Platforms. Analytical Chemistry, 2017, 89, 3858-3866. | 6.5 | 300 |
| 45 | Microfluidic Device for Studying Traumatic Brain Injury. Neuromethods, 2017, , 145-156. | 0.3 | 4 |
| 46 | Isotachophoretic Fluorescence in Situ Hybridization of Intact Bacterial Cells. Analytical Chemistry, 2017, 89, 6513-6520. | 6.5 | 20 |
| 47 | Electrophoretic separations on paper: Past, present, and future-A review. Analytica Chimica Acta, 2017, 985, 7-23. | 5.4 | 37 |
| 48 | One-Step Fabrication of a Microfluidic Device with an Integrated Membrane and Embedded Reagents by Multimaterial 3D Printing. Analytical Chemistry, 2017, 89, 4701-4707. | 6.5 | 106 |
| 49 | 3D Printed Micrometer-Scale Polymer Mounts for Single Crystal Analysis. Analytical Chemistry, 2017, 89, 4405-4408. | 6.5 | 8 |
| 50 | 7th Advances in Microfluidics & Nanofluidics (AMN)/9th International Symposium on Microchemistry and Microsystems (ISMM)/5th Asia-Pacific Chemical and Biological Microfluidic Conference (APCBM)/8th Australia New Zealand Nano-Microfluidics Symposium (ANZNMF) (Hobart, Australia, June) Tj ETQqO 0'0'rgBT /OVerlock 10 | 3.4 | 0 |
| 51 | Longitudinal On-Column Thermal Modulation for Comprehensive Two-Dimensional Liquid Chromatography. Analytical Chemistry, 2017, 89, 1123-1130. | 6.5 | 19 |
| 52 | Membrane assisted and temperature controlled on-line evaporative concentration for microfluidics. Journal of Chromatography A, 2017, 1486, 110-116. | 3.7 | 9 |
| 53 | Using Printing Orientation for Tuning Fluidic Behavior in Microfluidic Chips Made by Fused Deposition Modeling 3D Printing. Analytical Chemistry, 2017, 89, 12805-12811. | 6.5 | 66 |
| 54 | Time-Resolved Pharmacological Studies using Automated, On-line Monitoring of Five Parallel Suspension Cultures. Scientific Reports, 2017, 7, 10337. | 3.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | In Silico Screening of Two-Dimensional Separation Selectivity for Ion Chromatography \bar{A} — Capillary Electrophoresis Separation of Low-Molecular-Mass Organic Acids. <i>Analytical Chemistry</i> , 2017, 89, 8808-8815. | 6.5 | 8 |
| 56 | Principles around Accurate Blood Volume Collection Using Capillary Action. <i>Langmuir</i> , 2017, 33, 14220-14225. | 3.5 | 9 |
| 57 | Enhanced physicochemical properties of polydimethylsiloxane based microfluidic devices and thin films by incorporating synthetic micro-diamond. <i>Scientific Reports</i> , 2017, 7, 15109. | 3.3 | 39 |
| 58 | Multidimensional liquid-phase separations combining both chromatography and electrophoresis \hat{A} review. <i>Analytica Chimica Acta</i> , 2017, 950, 7-31. | 5.4 | 35 |
| 59 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2014 \hat{A} 2016). <i>Electrophoresis</i> , 2017, 38, 33-59. | 2.4 | 87 |
| 60 | Mild and repetitive very mild axonal stretch injury triggers cytoskeletal mislocalization and growth cone collapse. <i>PLoS ONE</i> , 2017, 12, e0176997. | 2.5 | 25 |
| 61 | Nanoporous Membranes for Microfluidic Concentration Prior to Electrophoretic Separation of Proteins in Urine. <i>Analytical Chemistry</i> , 2016, 88, 8257-8263. | 6.5 | 42 |
| 62 | Capillary electrophoresis for automated on-line monitoring of suspension cultures: Correlating cell density, nutrients and metabolites in near real-time. <i>Analytica Chimica Acta</i> , 2016, 920, 94-101. | 5.4 | 21 |
| 63 | 3D printed microfluidic devices: enablers and barriers. <i>Lab on A Chip</i> , 2016, 16, 1993-2013. | 6.0 | 816 |
| 64 | Salinity effects on chloroplast PSII performance in glycophytes and halophytes. <i>Functional Plant Biology</i> , 2016, 43, 1003. | 2.1 | 30 |
| 65 | Electrokinetic supercharging in nonaqueous capillary electrophoresis for online preconcentration and determination of tamoxifen and its metabolites in human plasma. <i>Journal of Chromatography A</i> , 2016, 1461, 185-191. | 3.7 | 21 |
| 66 | Potassium retention in leaf mesophyll as an element of salinity tissue tolerance in halophytes. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 346-354. | 5.8 | 58 |
| 67 | Fibre-based electrofluidics on low cost versatile 3D printed platforms for solute delivery, separations and diagnostics; from small molecules to intact cells. <i>Analyst, The</i> , 2016, 141, 6422-6431. | 3.5 | 25 |
| 68 | Concentration and Sensitivity Enhancement. <i>Electrophoresis</i> , 2016, 37, 1121-1121. | 2.4 | 0 |
| 69 | Characterisation of graphene fibres and graphene coated fibres using capacitively coupled contactless conductivity detector. <i>Analyst, The</i> , 2016, 141, 2774-2782. | 3.5 | 12 |
| 70 | Direct electrokinetic injection of inorganic cations from whole fruits and vegetables for capillary electrophoresis analysis. <i>Journal of Chromatography A</i> , 2016, 1428, 346-351. | 3.7 | 5 |
| 71 | Real-Time Mass Spectrometry Monitoring of Oak Wood Toasting: Elucidating Aroma Development Relevant to Oak-aged Wine Quality. <i>Scientific Reports</i> , 2015, 5, 17334. | 3.3 | 20 |
| 72 | Electrokinetic Size and Mobility Traps for On \hat{A} site Therapeutic Drug Monitoring. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7359-7362. | 13.8 | 11 |

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|----|---|-----|-----------|
| 73 | Flow injection analysis of organic peroxide explosives using acid degradation and chemiluminescent detection of released hydrogen peroxide. <i>Talanta</i> , 2015, 143, 191-197. | 5.5 | 14 |
| 74 | Cheers: cracking open the bottleneck of extraction in bioanalysis. <i>Bioanalysis</i> , 2015, 7, 3053-3055. | 1.5 | 2 |
| 75 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2012–2014). <i>Electrophoresis</i> , 2015, 36, 36-61. | 2.4 | 138 |
| 76 | Analysis of Melamine in Milk Powder and Liquid Milk by Capillary Zone Electrophoresis After Electrokinetic Supercharging. <i>Food Analytical Methods</i> , 2015, 8, 1356-1362. | 2.6 | 10 |
| 77 | Online Comprehensive Two-Dimensional Ion Chromatography – Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2015, 87, 8673-8678. | 6.5 | 15 |
| 78 | Stacking in a continuous sample flow interface in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2015, 1408, 236-242. | 3.7 | 8 |
| 79 | Micellar electrokinetic chromatography of organic and peroxide-based explosives. <i>Analytica Chimica Acta</i> , 2015, 876, 91-97. | 5.4 | 7 |
| 80 | Novel Instrument for Automated pH Determination by Internal Standard Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2015, 87, 6165-6172. | 6.5 | 42 |
| 81 | Counter-pressure-assisted ITP with electrokinetic injection under field-amplified conditions for bacterial analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6995-7002. | 3.7 | 9 |
| 82 | Electrokinetics for sample preparation of biological molecules in biological samples using microfluidic systems. <i>Bioanalysis</i> , 2014, 6, 1961-1974. | 1.5 | 13 |
| 83 | Ion transport in broad bean leaf mesophyll under saline conditions. <i>Planta</i> , 2014, 240, 729-743. | 3.2 | 22 |
| 84 | Evaluation of potential cationic probes for the detection of proline and betaine. <i>Electrophoresis</i> , 2014, 35, 3379-3386. | 2.4 | 4 |
| 85 | Capillary electrophoresis for the analysis of paralytic shellfish poisoning toxins in shellfish: Comparison of detection methods. <i>Electrophoresis</i> , 2014, 35, 1496-1503. | 2.4 | 28 |
| 86 | Microfluidic culture platform for studying neuronal response to mild to very mild axonal stretch injury. <i>Biomicrofluidics</i> , 2014, 8, 044110. | 2.4 | 28 |
| 87 | Dynamic high-resolution computer simulation of isotachophoretic enantiomer separation and zone stability. <i>Electrophoresis</i> , 2014, 35, 625-637. | 2.4 | 14 |
| 88 | Droplet Microfluidics for Postcolumn Reactions in Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2014, 86, 11811-11818. | 6.5 | 18 |
| 89 | Polymeric Microchip for the Simultaneous Determination of Anions and Cations by Hydrodynamic Injection Using a Dual-Channel Sequential Injection Microchip Electrophoresis System. <i>Analytical Chemistry</i> , 2014, 86, 3380-3388. | 6.5 | 40 |
| 90 | Analysis of aromatic acids by nonaqueous capillary electrophoresis with ionic liquid electrolytes. <i>Electrophoresis</i> , 2014, 35, 3310-3316. | 2.4 | 8 |

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|-----|---|-----|-----------|
| 91 | Transient isotachopheresis-capillary zone electrophoresis with contactless conductivity and ultraviolet detection for the analysis of paralytic shellfish toxins in mussel samples. <i>Journal of Chromatography A</i> , 2014, 1364, 295-302. | 3.7 | 27 |
| 92 | On-line sequential injection-capillary electrophoresis for near-real-time monitoring of extracellular lactate in cell culture flasks. <i>Journal of Chromatography A</i> , 2014, 1323, 157-162. | 3.7 | 27 |
| 93 | Cost-Effective Three-Dimensional Printing of Visibly Transparent Microchips within Minutes. <i>Analytical Chemistry</i> , 2014, 86, 3124-3130. | 6.5 | 436 |
| 94 | Stainless Steel Pinholes for Fast Fabrication of High-Performance Microchip Electrophoresis Devices by CO ₂ Laser Ablation. <i>Analytical Chemistry</i> , 2013, 85, 10051-10056. | 6.5 | 19 |
| 95 | On-line simultaneous and rapid separation of anions and cations from a single sample using dual-capillary sequential injection-capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2013, 781, 80-87. | 5.4 | 58 |
| 96 | Sieving polymer synthesis by reversible addition fragmentation chain transfer polymerization. <i>Electrophoresis</i> , 2013, 34, 3189-3197. | 2.4 | 4 |
| 97 | Analysis of flavonoids by non-aqueous capillary electrophoresis with 1-ethyl-3-methylimidazolium ionic-liquids as background electrolytes. <i>Journal of Chromatography A</i> , 2013, 1319, 160-165. | 3.7 | 26 |
| 98 | Analytical isotachopheresis of lactate in human serum using dry film photoresist microfluidic chips compatible with a commercially available field-deployable instrument platform. <i>Analytica Chimica Acta</i> , 2013, 803, 135-142. | 5.4 | 16 |
| 99 | 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. <i>RSC Advances</i> , 2013, 3, 24927. | 3.6 | 5 |
| 100 | Tunable nanochannel formation for sample-in/answer-out devices. <i>Chemical Communications</i> , 2013, 49, 2816. | 4.1 | 11 |
| 101 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2010–2012). <i>Electrophoresis</i> , 2013, 34, 29-54. | 2.4 | 163 |
| 102 | Exploring chip-capillary electrophoresis-laser-induced fluorescence field-deployable platform flexibility: Separations of fluorescent dyes by chip-based non-aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2013, 1286, 216-221. | 3.7 | 25 |
| 103 | Approaches to Enhancing the Sensitivity of Carbohydrate Separations in Capillary Electrophoresis. <i>Methods in Molecular Biology</i> , 2013, 984, 27-43. | 0.9 | 1 |
| 104 | Microfluidic isotachopheresis: A review. <i>Electrophoresis</i> , 2013, 34, 1493-1509. | 2.4 | 71 |
| 105 | Capillary electrophoresis for monitoring bioprocesses. <i>Electrophoresis</i> , 2013, 34, 1465-1482. | 2.4 | 22 |
| 106 | Analysis of brazilin and protosappanin in sappan lignum by capillary zone electrophoresis with acid barrage stacking. <i>Electrophoresis</i> , 2013, 34, 3326-3332. | 2.4 | 14 |
| 107 | In-plane alloy electrodes for capacitively coupled contactless conductivity detection in poly(methylmethacrylate) electrophoretic chips. <i>Electrophoresis</i> , 2013, 34, 2980-2987. | 2.4 | 24 |
| 108 | Rapid and sensitive microbial analysis by capillary isotachopheresis with continuous electrokinetic injection under field amplified conditions. <i>Electrophoresis</i> , 2013, 34, 1657-1662. | 2.4 | 21 |

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|-----|---|-----|-----------|
| 109 | Isotachopheresis on a chip with indirect fluorescence detection as a field deployable system for analysis of carboxylic acids. <i>Electrophoresis</i> , 2012, 33, 3166-3172. | 2.4 | 14 |
| 110 | Electric field gradient focusing using a variable width polyaniline electrode. <i>Electrophoresis</i> , 2012, 33, 3254-3258. | 2.4 | 6 |
| 111 | Lab-on-a-Chip device with laser-patterned polymer electrodes for high voltage application and contactless conductivity detection. <i>Chemical Communications</i> , 2012, 48, 9287. | 4.1 | 21 |
| 112 | Separation of carboxylic acids in human serum by isotachopheresis using a commercial field-deployable analytical platform combined with in-house glass microfluidic chips. <i>Analytica Chimica Acta</i> , 2012, 755, 115-120. | 5.4 | 14 |
| 113 | Capillary electrophoresis ribosomal RNA single-stranded conformation polymorphism: a new approach for characterization of low-diversity microbial communities. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1897-1906. | 3.7 | 4 |
| 114 | Capillary electrophoretic system of ribonucleic acid molecules. <i>Journal of Chromatography A</i> , 2012, 1267, 2-9. | 3.7 | 10 |
| 115 | Dynamic high-resolution computer simulation of electrophoretic enantiomer separations with neutral cyclodextrins as chiral selectors. <i>Electrophoresis</i> , 2012, 33, 958-969. | 2.4 | 31 |
| 116 | Capillary and microchip electrophoresis: Challenging the common conceptions. <i>Journal of Chromatography A</i> , 2012, 1221, 42-55. | 3.7 | 110 |
| 117 | Extraction and on-line concentration of flavonoids in <i>Brassica oleracea</i> by capillary electrophoresis using large volume sample stacking. <i>Food Chemistry</i> , 2012, 133, 205-211. | 8.2 | 37 |
| 118 | Acid-induced transient isotachopheretic stacking of basic drugs in co-electroosmotic flow capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2012, 35, 60-65. | 2.5 | 26 |
| 119 | Dual wavelength excitation fluorescence detector for capillary electrophoresis using a pulsed bi-colour light emitting diode. <i>Analyst</i> , The, 2011, 136, 2234. | 3.5 | 12 |
| 120 | Identification of Inorganic Improvised Explosive Devices Using Sequential Injection Capillary Electrophoresis and Contactless Conductivity Detection. <i>Analytical Chemistry</i> , 2011, 83, 9068-9075. | 6.5 | 71 |
| 121 | Analysis of flavonoids by capillary zone electrophoresis with electrokinetic supercharging. <i>Analyst</i> , The, 2011, 136, 4486. | 3.5 | 22 |
| 122 | Microfluidic chips for capillary electrophoresis with integrated electrodes for capacitively coupled conductivity detection based on printed circuit board technology. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 307-313. | 7.8 | 50 |
| 123 | Pressure-assisted electrokinetic supercharging for the enhancement of non-steroidal anti-inflammatory drugs. <i>Journal of Chromatography A</i> , 2011, 1218, 6750-6755. | 3.7 | 25 |
| 124 | Coupled reversed-phase and ion chromatographic system for the simultaneous identification of inorganic and organic explosives. <i>Journal of Chromatography A</i> , 2011, 1218, 3007-3012. | 3.7 | 20 |
| 125 | Online sample pre-concentration via dynamic pH junction in capillary and microchip electrophoresis. <i>Journal of Separation Science</i> , 2011, 34, 2800-2821. | 2.5 | 53 |
| 126 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2008-2010). <i>Electrophoresis</i> , 2011, 32, 127-148. | 2.4 | 131 |

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|-----|---|-----|-----------|
| 127 | High-resolution electrophoretic simulations: Performance characteristics of one-dimensional simulators. <i>Electrophoresis</i> , 2011, 32, 532-541. | 2.4 | 30 |
| 128 | Insight into the mechanism of transient trapping in micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2011, 32, 542-549. | 2.4 | 20 |
| 129 | A rapid quantitative determination of phenolic acids in <i>Brassica oleracea</i> by capillary zone electrophoresis. <i>Food Chemistry</i> , 2011, 127, 797-801. | 8.2 | 58 |
| 130 | Ionic liquid-based liquid phase microextraction with direct injection for capillary electrophoresis. <i>Journal of Chromatography A</i> , 2011, 1218, 1347-1352. | 3.7 | 35 |
| 131 | Fluorophores and Chromophores for the Separation of Carbohydrates by Capillary Electrophoresis. , 2011, , 23-51. | | 1 |
| 132 | Development of a novel fluorescent tag O-2-[aminoethyl]fluorescein for the electrophoretic separation of oligosaccharides. <i>Analytica Chimica Acta</i> , 2010, 662, 206-213. | 5.4 | 14 |
| 133 | Analysis of phenolic acids by non-aqueous capillary electrophoresis after electrokinetic supercharging. <i>Journal of Chromatography A</i> , 2010, 1217, 7282-7287. | 3.7 | 33 |
| 134 | Electrokinetic supercharging-electrospray ionisation-mass spectrometry for separation and on-line preconcentration of hypolipidaemic drugs in water samples. <i>Electrophoresis</i> , 2010, 31, 1184-1193. | 2.4 | 44 |
| 135 | Dynamic computer simulations of electrophoresis: A versatile research and teaching tool. <i>Electrophoresis</i> , 2010, 31, 726-754. | 2.4 | 58 |
| 136 | Determination of food grade antioxidants using microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2010, 31, 2267-2271. | 2.4 | 15 |
| 137 | Multi-wavelength light emitting diode array as an excitation source for light emitting diode-induced fluorescence detection in capillary electrophoresis. <i>Electrophoresis</i> , 2010, 31, 2589-2595. | 2.4 | 12 |
| 138 | White LEDs as broad spectrum light sources for spectrophotometry: Demonstration in the visible spectrum range in a diode-array spectrophotometric detector. <i>Electrophoresis</i> , 2010, 31, 3737-3744. | 2.4 | 10 |
| 139 | Fast analysis of phenolic acids by electrokinetic supercharging in nonaqueous capillary electrophoresis. <i>Journal of Separation Science</i> , 2010, 33, 2140-2144. | 2.5 | 22 |
| 140 | Quantitative determination of glucoraphanin in <i>Brassica</i> vegetables by micellar electrokinetic capillary chromatography. <i>Analytica Chimica Acta</i> , 2010, 663, 105-108. | 5.4 | 15 |
| 141 | Strategies for the on-line preconcentration and separation of hypolipidaemic drugs using micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 386-393. | 3.7 | 29 |
| 142 | Electroosmotic flow-balanced isotachophoretic stacking with continuous electrokinetic injection for the concentration of anions in high conductivity samples. <i>Journal of Chromatography A</i> , 2010, 1217, 3900-3906. | 3.7 | 23 |
| 143 | Manufacturing and application of a fully polymeric electrophoresis chip with integrated polyaniline electrodes. <i>Lab on A Chip</i> , 2010, 10, 1869. | 6.0 | 16 |
| 144 | Photolithographic patterning of conducting polyaniline films via flash welding. <i>Synthetic Metals</i> , 2010, 160, 1405-1409. | 3.9 | 13 |

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|-----|---|-----|-----------|
| 145 | Pulsed multi-wavelength excitation using fiber-in-capillary light emitting diode induced fluorescence detection in capillary electrophoresis. <i>Talanta</i> , 2010, 83, 521-526. | 5.5 | 11 |
| 146 | Capillary electrophoretic separation of mono- and di-saccharides with dynamic pH junction and implementation in microchips. <i>Analyst, The</i> , 2010, 135, 1970. | 3.5 | 18 |
| 147 | LED controlled flow photolysis for concentration gradients in microfluidic systems. <i>Chemical Communications</i> , 2010, 46, 3342. | 4.1 | 2 |
| 148 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2006-2008). <i>Electrophoresis</i> , 2009, 30, 230-248. | 2.4 | 121 |
| 149 | Evaluation of Peakmaster for computer-aided multivariate optimisation of a CE separation of 17 antipsychotic drugs using minimal experimental data. <i>Electrophoresis</i> , 2009, 30, 839-847. | 2.4 | 12 |
| 150 | High-resolution computer simulations of EKC. <i>Electrophoresis</i> , 2009, 30, 570-578. | 2.4 | 22 |
| 151 | Dynamic computer simulations of electrophoresis: Three decades of active research. <i>Electrophoresis</i> , 2009, 30, S16-26. | 2.4 | 46 |
| 152 | Recent significant developments in detection and method development for the determination of inorganic ions by CE. <i>Electrophoresis</i> , 2009, 30, S53-67. | 2.4 | 29 |
| 153 | Dry film microchips for miniaturised separations. <i>Electrophoresis</i> , 2009, 30, 4219-4224. | 2.4 | 17 |
| 154 | Counter-flow electrokinetic supercharging for the determination of non-steroidal anti-inflammatory drugs in water samples. <i>Journal of Chromatography A</i> , 2009, 1216, 3380-3386. | 3.7 | 49 |
| 155 | Silica nanoparticle-templated methacrylic acid monoliths for in-line solid-phase extraction- capillary electrophoresis of basic analytes. <i>Journal of Chromatography A</i> , 2009, 1216, 4933-4940. | 3.7 | 63 |
| 156 | Electrokinetic and hydrodynamic injection: making the right choice for capillary electrophoresis. <i>Bioanalysis</i> , 2009, 1, 889-894. | 1.5 | 33 |
| 157 | Fast CE for combinatorial catalysis. <i>Electrophoresis</i> , 2008, 29, 491-498. | 2.4 | 5 |
| 158 | Unlimited-volume stacking of ions in capillary electrophoresis. Part 1: Stationary isotachophoretic stacking of anions. <i>Electrophoresis</i> , 2008, 29, 1082-1091. | 2.4 | 45 |
| 159 | Indirect photometric detection of anions in nonaqueous capillary electrophoresis employing Orange G as probe and a light-emitting diode-based detector. <i>Electrophoresis</i> , 2008, 29, 3032-3037. | 2.4 | 13 |
| 160 | Identification of inorganic ions in post-blast explosive residues using portable CE instrumentation and capacitively coupled contactless conductivity detection. <i>Electrophoresis</i> , 2008, 29, 4593-4602. | 2.4 | 96 |
| 161 | Utilisation of pH stacking in conjunction with a highly absorbing chromophore, 5-aminofluorescein, to improve the sensitivity of capillary electrophoresis for carbohydrate analysis. <i>Journal of Chromatography A</i> , 2008, 1200, 84-91. | 3.7 | 35 |
| 162 | Packing procedures for high efficiency, short ion-exchange columns for rapid separation of inorganic anions. <i>Journal of Chromatography A</i> , 2008, 1208, 95-100. | 3.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | High intensity light emitting diode array as an alternative exposure source for the fabrication of electrophoretic microfluidic devices. <i>Journal of Chromatography A</i> , 2008, 1213, 3-7. | 3.7 | 13 |
| 164 | Techniques for the separation of ionic and ionogenic species. Foreword. <i>Journal of Chromatography A</i> , 2008, 1213, 1-2. | 3.7 | 0 |
| 165 | Electrokinetic supercharging for on-line preconcentration of seven non-steroidal anti-inflammatory drugs in water samples. <i>Journal of Chromatography A</i> , 2008, 1189, 278-284. | 3.7 | 50 |
| 166 | Identification of homemade inorganic explosives by ion chromatographic analysis of post-blast residues. <i>Journal of Chromatography A</i> , 2008, 1182, 205-214. | 3.7 | 86 |
| 167 | Selective extraction and elution of weak bases by in-line solid-phase extraction capillary electrophoresis using a pH step gradient and a weak cation-exchange monolith. <i>Analyst, The</i> , 2008, 133, 1380. | 3.5 | 20 |
| 168 | Photoinitiated polymerisation of monolithic stationary phases in polyimide coated capillaries using visible region LEDs. <i>Chemical Communications</i> , 2008, , 6504. | 4.1 | 36 |
| 169 | Maskless photolithography using UV LEDs. <i>Lab on A Chip</i> , 2008, 8, 1402. | 6.0 | 51 |
| 170 | 100 000-Fold Concentration of Anions in Capillary Zone Electrophoresis Using Electroosmotic Flow Controlled Counterflow Isotachophoretic Stacking under Field Amplified Conditions. <i>Analytical Chemistry</i> , 2008, 80, 6373-6381. | 6.5 | 82 |
| 171 | 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. <i>Analytical Chemistry</i> , 2007, 79, 7005-7013. | 6.5 | 125 |
| 172 | Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips. <i>Electrophoresis</i> , 2007, 28, 254-281. | 2.4 | 183 |
| 173 | Separation of Nile Blue-labelled fatty acids by CE with absorbance detection using a red light-emitting diode. <i>Electrophoresis</i> , 2007, 28, 1252-1258. | 2.4 | 22 |
| 174 | Light-emitting diode-compatible probes for indirect detection of anions in CE. <i>Electrophoresis</i> , 2007, 28, 3453-3460. | 2.4 | 6 |
| 175 | Capillary electrophoresis of neurotransmitters using in-line solid-phase extraction and preconcentration using a methacrylate-based weak cation-exchange monolithic stationary phase and a pH step gradient. <i>Journal of Chromatography A</i> , 2007, 1175, 117-126. | 3.7 | 51 |
| 176 | Boronate functionalised polymer monoliths for microscale affinity chromatography. <i>Analyst, The</i> , 2006, 131, 1094. | 3.5 | 77 |
| 177 | High-Resolution Computer Simulations of Stacking of Weak Bases Using a Transient pH Boundary in Capillary Electrophoresis. 1. Concept and Impact of Sample Ionic Strength. <i>Analytical Chemistry</i> , 2006, 78, 538-546. | 6.5 | 47 |
| 178 | Preconcentration and frontal electroelution of amino acids for in-line solid-phase extraction-capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2006, 556, 121-126. | 5.4 | 25 |
| 179 | Non-aqueous capillary electrophoresis with red light emitting diode absorbance detection for the analysis of basic dyes. <i>Analytica Chimica Acta</i> , 2006, 580, 188-193. | 5.4 | 37 |
| 180 | Sensitive determination of carbohydrates labelled with p-nitroaniline by capillary electrophoresis with photometric detection using a 406 nm light-emitting diode. <i>Electrophoresis</i> , 2006, 27, 4039-4046. | 2.4 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 181 | Analysis of the disaccharides derived from hyaluronic acid and chondroitin sulfate by capillary electrophoresis with sample stacking. <i>Journal of Separation Science</i> , 2005, 28, 2381-2389. | 2.5 | 15 |
| 182 | Determination of ribavirin in human serum and plasma by capillary electrophoresis. <i>Electrophoresis</i> , 2004, 25, 1615-1622. | 2.4 | 42 |
| 183 | Toward optimization of macroporous silica gels for application to capillary or microchip-based CEC and LC. <i>Journal of Non-Crystalline Solids</i> , 2004, 350, 391-396. | 3.1 | 4 |
| 184 | Capillary electrophoresis evidence for the stereoselective metabolism of itraconazole in man. <i>Electrophoresis</i> , 2003, 24, 2588-2597. | 2.4 | 32 |
| 185 | Towards a microchip-based chromatographic platform. Part 2: Sol-gel phases modified with polyelectrolyte multilayers for capillary electrochromatography. <i>Electrophoresis</i> , 2003, 24, 1261-1270. | 2.4 | 23 |
| 186 | Determination of itraconazole and hydroxyitraconazole in human serum and plasma by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2003, 1014, 57-70. | 3.7 | 30 |
| 187 | Hydroxypropyl Cellulose as an Adsorptive Coating Sieving Matrix for DNA Separations: Artificial Neural Network Optimization for Microchip Analysis. <i>Analytical Chemistry</i> , 2003, 75, 986-994. | 6.5 | 71 |
| 188 | Microchip-Based Purification of DNA from Biological Samples. <i>Analytical Chemistry</i> , 2003, 75, 1880-1886. | 6.5 | 331 |
| 189 | A simple PDMS-based electro-fluidic interface for microchip electrophoretic separations. <i>Analyst</i> , The, 2002, 127, 1558-1563. | 3.5 | 32 |
| 190 | On-Column Ion-Exchange Preconcentration of Inorganic Anions in Open Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 3. Implementation and Method Development. <i>Analytical Chemistry</i> , 2002, 74, 2112-2118. | 6.5 | 101 |
| 191 | Toward a microchip-based solid-phase extraction method for isolation of nucleic acids. <i>Electrophoresis</i> , 2002, 23, 727-733. | 2.4 | 233 |
| 192 | Towards a microchip-based chromatographic platform. Part 1: Evaluation of sol-gel phases for capillary electrochromatography. <i>Electrophoresis</i> , 2002, 23, 3487-3495. | 2.4 | 44 |
| 193 | Use of ionic polymers as stationary and pseudo-stationary phases in the separation of ions by capillary electrophoresis and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2002, 942, 11-32. | 3.7 | 32 |
| 194 | Erratum to "œlon chromatography on-chip". <i>Journal of Chromatography A</i> , 2002, 943, 311. | 3.7 | 0 |
| 195 | Monolithic Sol-gel Microchip Device for Efficient Isolation of Nucleic Acid From Clinical Samples. , 2002, , 198-200. | | 1 |
| 196 | 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. <i>Analytical Chemistry</i> , 2001, 73, 820-828. | 6.5 | 65 |
| 197 | Determination of inorganic anions by capillary electrochromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2001, 20, 355-364. | 11.4 | 23 |
| 198 | Modelling of migration behaviour of inorganic anions in ion-exchange capillary electrochromatography. <i>Electrophoresis</i> , 2001, 22, 503-510. | 2.4 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Approaches to enhancing the sensitivity of capillary electrophoresis methods for the determination of inorganic and small organic anions. <i>Electrophoresis</i> , 2001, 22, 2464-2489. | 2.4 | 94 |
| 200 | Ion chromatography on-chip. <i>Journal of Chromatography A</i> , 2001, 924, 233-238. | 3.7 | 59 |
| 201 | Optimisation of the separation of anions by ion chromatography/capillary electrophoresis using indirect UV detection. <i>Journal of Chromatography A</i> , 2001, 920, 31-40. | 3.7 | 32 |
| 202 | Indirect spectrophotometric detection of inorganic anions in ion-exchange capillary electrochromatography. <i>Electrophoresis</i> , 2000, 21, 3073-3080. | 2.4 | 33 |
| 203 | Modelling and optimization of the separation of anions in ion chromatography - capillary electrophoresis. <i>Electrophoresis</i> , 2000, 21, 3181-3190. | 2.4 | 19 |
| 204 | Peak shapes in open tubular ion-exchange capillary electrochromatography of inorganic anions. <i>Journal of Chromatography A</i> , 2000, 892, 303-313. | 3.7 | 29 |
| 205 | Open-tubular ion-exchange capillary electrochromatography of inorganic anions. <i>Analyst, The</i> , 2000, 125, 1235-1241. | 3.5 | 49 |
| 206 | On-capillary ion-exchange preconcentration of inorganic anions using open-tubular capillaries followed by elution with a transient isotachophoretic gradient. <i>Analyst, The</i> , 2000, 125, 799-802. | 3.5 | 34 |
| 207 | Artificial neural networks for computer-aided modelling and optimisation in micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1999, 850, 345-353. | 3.7 | 45 |
| 208 | Manipulation of separation selectivity for alkali metals and ammonium in ion-exchange capillary electrochromatography using a suspension of cation exchange particles in the electrolyte as a pseudostationary phase. <i>Electrophoresis</i> , 1999, 20, 1987-1992. | 2.4 | 31 |
| 209 | Theoretical Migration Model for Micellar Capillary Electrophoresis and Its Application to the Separation of Anionic Metal Complexes of HEDTC and CDTA. <i>Analytical Chemistry</i> , 1999, 71, 1826-1833. | 6.5 | 20 |