

Robert A Shellie

List of Publications by Year in descending order

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135
papers

4,432
citations

101384

36
h-index

128067

60
g-index

137
all docs

137
docs citations

137
times ranked

3496
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Principles and applications of comprehensive two-dimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 573-583. | 5.8 | 245 |
| 2 | Gas chromatographic technologies for the analysis of essential oils. <i>Journal of Chromatography A</i> , 2001, 936, 1-22. | 1.8 | 242 |
| 3 | Characterisation of lavender essential oils by using gas chromatography–mass spectrometry with correlation of linear retention indices and comparison with comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2002, 970, 225-234. | 1.8 | 216 |
| 4 | Concepts and Preliminary Observations on the Triple-Dimensional Analysis of Complex Volatile Samples by Using GC–GC–TOFMS. <i>Analytical Chemistry</i> , 2001, 73, 1336-1344. | 3.2 | 177 |
| 5 | Comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry (GC–GC-TOF) for high resolution metabolomics: biomarker discovery on spleen tissue extracts of obese NZO compared to lean C57BL/6 mice. <i>Metabolomics</i> , 2005, 1, 65-73. | 1.4 | 154 |
| 6 | Statistical methods for comparing comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry results: Metabolomic analysis of mouse tissue extracts. <i>Journal of Chromatography A</i> , 2005, 1086, 83-90. | 1.8 | 141 |
| 7 | Comprehensive Two-Dimensional Gas Chromatography with Fast Enantioseparation. <i>Analytical Chemistry</i> , 2002, 74, 5426-5430. | 3.2 | 113 |
| 8 | Analysis of roasted coffee bean volatiles by using comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1054, 57-65. | 1.8 | 91 |
| 9 | Identification of homemade inorganic explosives by ion chromatographic analysis of post-blast residues. <i>Journal of Chromatography A</i> , 2008, 1182, 205-214. | 1.8 | 86 |
| 10 | High resolution essential oil analysis by using comprehensive gas chromatographic methodology. <i>Flavour and Fragrance Journal</i> , 2000, 15, 225-239. | 1.2 | 82 |
| 11 | Comprehensive two-dimensional gas chromatography-mass spectrometry analysis of Pelargonium graveolens essential oil using rapid scanning quadrupole mass spectrometry. <i>Analyst, The</i> , 2003, 128, 879. | 1.7 | 82 |
| 12 | Towards high capacity latex-coated porous polymer monoliths as ion-exchange stationary phases. <i>Analyst, The</i> , 2006, 131, 215-221. | 1.7 | 79 |
| 13 | Application of comprehensive two-dimensional gas chromatography (GC–GC) to the enantioselective analysis of essential oils. <i>Journal of Separation Science</i> , 2001, 24, 823-830. | 1.3 | 78 |
| 14 | Comprehensive two-dimensional gas chromatography (GC–GC) and GC–GC-quadrupole MS analysis of Asian and American ginseng. <i>Journal of Separation Science</i> , 2003, 26, 1185-1192. | 1.3 | 74 |
| 15 | Identification of Inorganic Improvised Explosive Devices Using Sequential Injection Capillary Electrophoresis and Contactless Conductivity Detection. <i>Analytical Chemistry</i> , 2011, 83, 9068-9075. | 3.2 | 71 |
| 16 | Tryptophan metabolism, its relation to inflammation and stress markers and association with psychological and cognitive functioning: Tasmanian Chronic Kidney Disease pilot study. <i>BMC Nephrology</i> , 2016, 17, 171. | 0.8 | 70 |
| 17 | Comprehensive two-dimensional liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 405-415. | 1.9 | 68 |
| 18 | Opportunities for ultra-high resolution analysis of essential oils using comprehensive two-dimensional gas chromatography: a review. <i>Flavour and Fragrance Journal</i> , 2003, 18, 179-191. | 1.2 | 65 |

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|----|---|-----|-----------|
| 19 | Characterization and Comparison of Tea Tree and Lavender Oils by Using Comprehensive Gas Chromatography. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 554-560. | 2.0 | 58 |
| 20 | Solid-phase micro-extraction-comprehensive two-dimensional gas chromatography of ginger (<i>Zingiber</i>) Tj ETQq0 0 0 jgBT /Overlock 10 T | 1.2 | 58 |
| 21 | Analysis of roasted coffee bean volatiles by using comprehensive two-dimensional gas chromatographyâ€“time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1054, 57-65. | 1.8 | 55 |
| 22 | Quantitation of suspected allergens in fragrances(Part I): evaluation of comprehensive two-dimensional gas chromatography for quality control. <i>Flavour and Fragrance Journal</i> , 2004, 19, 91-98. | 1.2 | 53 |
| 23 | Forensic Identification of Inorganic Explosives by Ion Chromatography. <i>Analytical Letters</i> , 2006, 39, 639-657. | 1.0 | 52 |
| 24 | Chromatographic methods for the isolation, separation and characterisation of dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1531-1567. | 1.7 | 52 |
| 25 | Retention time reproducibility in comprehensive two-dimensional gas chromatography using cryogenic modulation. <i>Journal of Chromatography A</i> , 2002, 968, 161-170. | 1.8 | 51 |
| 26 | Application of headspace solid-phase microextraction (HS-SPME) and comprehensive two-dimensional gas chromatography (GCâ—GC) for the chemical profiling of volatile oils in complex herbal mixtures. <i>Journal of Separation Science</i> , 2004, 27, 451-458. | 1.3 | 46 |
| 27 | Targeted multidimensional gas chromatography for the quantitative analysis of suspected allergens in fragrance products. <i>Journal of Chromatography A</i> , 2006, 1130, 122-129. | 1.8 | 46 |
| 28 | Kinetic optimisation of open-tubular liquid-chromatography capillaries coated with thick porous layers for increased loadability. <i>Journal of Chromatography A</i> , 2011, 1218, 8388-8393. | 1.8 | 45 |
| 29 | Thermal Independent Modulator for Comprehensive Two-Dimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 8428-8432. | 3.2 | 45 |
| 30 | Comprehensive Two-Dimensional Gas Chromatography with Flame Ionization and Time-of-Flight Mass Spectrometry Detection: Qualitative and Quantitative Analysis of West Australian Sandalwood Oil. <i>Journal of Chromatographic Science</i> , 2004, 42, 417-422. | 0.7 | 44 |
| 31 | Analysis of Fresh and Aged Tea Tree Essential Oils By Using GCxGC-qMS. <i>Journal of Chromatographic Science</i> , 2010, 48, 262-266. | 0.7 | 42 |
| 32 | Performance comparison of partial least squares-related variable selection methods for quantitative structure retention relationships modelling of retention times in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1424, 69-76. | 1.8 | 41 |
| 33 | Targeted Multidimensional Gas Chromatography Using Microswitching and Cryogenic Modulation. <i>Analytical Chemistry</i> , 2003, 75, 5532-5538. | 3.2 | 39 |
| 34 | Effects of pressure drop on absolute retention matching in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2004, 27, 503-512. | 1.3 | 38 |
| 35 | Prediction of Analyte Retention for Ion Chromatography Separations Performed Using Elution Profiles Comprising Multiple Isocratic and Gradient Steps. <i>Analytical Chemistry</i> , 2008, 80, 2474-2482. | 3.2 | 38 |
| 36 | Interactive Use of Linear Retention Indices on Polar and Apolar Columns with an MS-Library for Reliable Characterization of Australian Tea Tree and Other<i>Melaleuca</i>sp. Oils. <i>Journal of Essential Oil Research</i> , 2003, 15, 305-312. | 1.3 | 37 |

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|----|--|-----|-----------|
| 37 | Time-resolved cryogenic modulation reveals isomer interconversion profiles in dynamic chromatography. <i>Journal of Chromatography A</i> , 2001, 919, 115-126. | 1.8 | 36 |
| 38 | Determination of bromate in sea water using multi-dimensional matrix-elimination ion chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 9080-9085. | 1.8 | 35 |
| 39 | Ultra-fast essential oil characterization by capillary GC on a 50 μ m ID column. <i>Journal of Separation Science</i> , 2004, 27, 699-702. | 1.3 | 34 |
| 40 | Varietal characterization of hop (<i>Humulus lupulus</i> L.) by GC-MS analysis of hop cone extracts. <i>Journal of Separation Science</i> , 2009, 32, 3720-3725. | 1.3 | 33 |
| 41 | Enantioselective gas chromatographic analysis of monoterpenes in essential oils of the family Myrtaceae. <i>Flavour and Fragrance Journal</i> , 2004, 19, 582-585. | 1.2 | 31 |
| 42 | Comprehensive two-dimensional liquid chromatography: Ion chromatography-reversed-phase liquid chromatography for separation of low-molar-mass organic acids. <i>Journal of Chromatography A</i> , 2010, 1217, 6742-6746. | 1.8 | 30 |
| 43 | Unravelling the relationship between aroma compounds and consumer acceptance: Coffee as an example. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 2380-2420. | 5.9 | 30 |
| 44 | Chemotyping of new hop (<i>Humulus lupulus</i> L.) genotypes using comprehensive two-dimensional gas chromatography with quadrupole accurate mass time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1536, 110-121. | 1.8 | 29 |
| 45 | Observation of non-linear chromatographic peaks in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2001, 24, 367-377. | 1.3 | 28 |
| 46 | Rapid sequential heart-cut multidimensional gas chromatographic analysis. <i>Journal of Chromatography A</i> , 2004, 1056, 163-169. | 1.8 | 28 |
| 47 | High temperature liquid chromatography of intact proteins using organic polymer monoliths and alternative solvent systems. <i>Journal of Chromatography A</i> , 2010, 1217, 3519-3524. | 1.8 | 27 |
| 48 | Kinetic performance optimisation for liquid chromatography: Principles and practice. <i>Journal of Separation Science</i> , 2011, 34, 877-887. | 1.3 | 27 |
| 49 | A simplified approach to direct SPE-MS. <i>Journal of Separation Science</i> , 2012, 35, 2399-2406. | 1.3 | 27 |
| 50 | Applications of resistive heating in gas chromatography: A review. <i>Analytica Chimica Acta</i> , 2013, 803, 2-14. | 2.6 | 26 |
| 51 | Sequential Hybrid Three-Dimensional Gas Chromatography with Accurate Mass Spectrometry: A Novel Tool for High-Resolution Characterization of Multicomponent Samples. <i>Analytical Chemistry</i> , 2018, 90, 5264-5271. | 3.2 | 26 |
| 52 | Evaporative membrane modulation for comprehensive two-dimensional liquid chromatography. <i>Analytica Chimica Acta</i> , 2018, 1000, 303-309. | 2.6 | 26 |
| 53 | High temperature liquid chromatography with monolithic capillary columns and pure water eluent. <i>Analyst</i> , 2009, 134, 440-442. | 1.7 | 25 |
| 54 | Characterization of large surface area polymer monoliths and their utility for rapid, selective solid phase extraction for improved sample clean up. <i>Journal of Chromatography A</i> , 2015, 1410, 9-18. | 1.8 | 25 |

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|----|---|-----|-----------|
| 55 | Assessment of the phytochemical profiles of novel hop (<i>Humulus lupulus</i> L.) cultivars: A potential route to beer crafting. <i>Food Chemistry</i> , 2019, 275, 15-23. | 4.2 | 25 |
| 56 | Simulation of Elution Profiles for Two-Dimensional Dynamic Gas Chromatographic Experiments. <i>Analytical Chemistry</i> , 2003, 75, 4452-4461. | 3.2 | 24 |
| 57 | Advanced and innovative chromatographic techniques for the study of citrus essential oils. <i>Flavour and Fragrance Journal</i> , 2005, 20, 249-264. | 1.2 | 24 |
| 58 | Application of retention modelling to the simulation of separation of organic anions in suppressed ion chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 6600-6610. | 1.8 | 24 |
| 59 | Applications of planar microfluidic devices and gas chromatography for complex problem solving. <i>Journal of Separation Science</i> , 2013, 36, 182-191. | 1.3 | 23 |
| 60 | Molecular interconversion behaviour in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2004, 1033, 135-143. | 1.8 | 22 |
| 61 | Column selection for comprehensive multidimensional ion chromatography. <i>Journal of Separation Science</i> , 2008, 31, 3287-3296. | 1.3 | 22 |
| 62 | Porous, High Capacity Coatings for Solid Phase Microextraction by Sputtering. <i>Analytical Chemistry</i> , 2016, 88, 1593-1600. | 3.2 | 22 |
| 63 | 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. | 1.8 | 20 |
| 64 | Factors affecting peak shape in comprehensive two-dimensional gas chromatography with non-focusing modulation. <i>Journal of Chromatography A</i> , 2011, 1218, 3153-3158. | 1.8 | 20 |
| 65 | 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. | 1.8 | 20 |
| 66 | Data Reduction in Comprehensive Two-Dimensional Gas Chromatography for Rapid and Repeatable Automated Data Analysis. <i>Analytical Chemistry</i> , 2012, 84, 6501-6507. | 3.2 | 20 |
| 67 | Multidimensional gas chromatography for the characterization of permanent gases and light hydrocarbons in catalytic cracking process. <i>Journal of Chromatography A</i> , 2013, 1271, 185-191. | 1.8 | 20 |
| 68 | 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. | 1.6 | 20 |
| 69 | Longitudinal On-Column Thermal Modulation for Comprehensive Two-Dimensional Liquid Chromatography. <i>Analytical Chemistry</i> , 2017, 89, 1123-1130. | 3.2 | 19 |
| 70 | Retention time reproducibility in comprehensive two-dimensional gas chromatography using cryogenic modulation. <i>Journal of Chromatography A</i> , 2003, 1019, 273-278. | 1.8 | 18 |
| 71 | Two-dimensional ion chromatography using tandem ion-exchange columns with gradient-pulse column switching. <i>Journal of Chromatography A</i> , 2009, 1216, 6931-6937. | 1.8 | 18 |
| 72 | Temperature Pulsing for Controlling Chromatographic Resolution in Capillary Liquid Chromatography. <i>Analytical Chemistry</i> , 2012, 84, 3362-3368. | 3.2 | 17 |

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|----|---|-----|-----------|
| 73 | Semiautomated pH Gradient Ion-Exchange Chromatography of Monoclonal Antibody Charge Variants. <i>Analytical Chemistry</i> , 2014, 86, 9794-9799. | 3.2 | 17 |
| 74 | Evaluation of a miniaturised single-stage thermal modulator for comprehensive two-dimensional gas chromatography of petroleum contaminated soils. <i>Journal of Chromatography A</i> , 2016, 1463, 162-168. | 1.8 | 17 |
| 75 | Direct Measurement of Elemental Mercury Using Multidimensional Gas Chromatography with Microwave-Induced Helium Plasma Atomic Emission Spectroscopy. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 471-478. | 1.2 | 16 |
| 76 | Rapid Plant Volatiles Screening Using Headspace SPME and Person-Portable Gas Chromatography—Mass Spectrometry. <i>Chromatographia</i> , 2019, 82, 297-305. | 0.7 | 16 |
| 77 | Kinetic performance appraisal of poly(styrene-co-divinylbenzene) monolithic high-performance liquid chromatography columns for biomolecule analysis. <i>Journal of Chromatography A</i> , 2010, 1217, 3765-3769. | 1.8 | 15 |
| 78 | Online Comprehensive Two-Dimensional Ion Chromatography—Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2015, 87, 8673-8678. | 3.2 | 15 |
| 79 | Poly(ethylene glycol) functionalization of monolithic poly(divinyl benzene) for improved miniaturized solid phase extraction of protein-rich samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2189-2199. | 1.9 | 15 |
| 80 | Consumer Acceptance of Brown and White Rice Varieties. <i>Foods</i> , 2021, 10, 1950. | 1.9 | 15 |
| 81 | Probing the kinetic performance limits for ion chromatography. II. Gradient conditions for small ions. <i>Journal of Chromatography A</i> , 2010, 1217, 5063-5068. | 1.8 | 14 |
| 82 | Design Considerations For Pulsed-Flow Comprehensive Two-Dimensional GC: Dynamic Flow Model Approach. <i>Journal of Chromatographic Science</i> , 2010, 48, 245-250. | 0.7 | 14 |
| 83 | Planar microfluidic devices in flow modulated comprehensive two dimensional gas chromatography for challenging petrochemical applications. <i>Analytical Methods</i> , 2013, 5, 6598. | 1.3 | 14 |
| 84 | Direct Measurement of Trace Elemental Mercury in Hydrocarbon Matrices by Gas Chromatography with Ultraviolet Photometric Detection. <i>Analytical Chemistry</i> , 2015, 87, 11429-11432. | 3.2 | 14 |
| 85 | Multi-dimensional gas chromatography with a planar microfluidic device for the characterization of volatile oxygenated organic compounds. <i>Journal of Chromatography A</i> , 2012, 1255, 216-220. | 1.8 | 13 |
| 86 | Multidimensional gas chromatography using microfluidic switching and low thermal mass gas chromatography for the characterization of targeted volatile organic compounds. <i>Journal of Chromatography A</i> , 2013, 1288, 105-110. | 1.8 | 13 |
| 87 | Discovery of Biomarkers for Tasmanian Devil Cancer (DFTD) by Metabolic Profiling of Serum. <i>Journal of Proteome Research</i> , 2016, 15, 3827-3840. | 1.8 | 13 |
| 88 | Automated liquid-liquid extraction of organic compounds from aqueous samples using a multifunction autosampler syringe. <i>Journal of Chromatography A</i> , 2021, 1642, 462032. | 1.8 | 13 |
| 89 | Ultra-trace level analysis of morpholine, cyclohexylamine, and diethylaminoethanol in steam condensate by gas chromatography with multi-mode inlet, and flame ionization detection. <i>Journal of Chromatography A</i> , 2012, 1229, 223-229. | 1.8 | 12 |
| 90 | Tandem sulfur chemiluminescence and flame ionization detection with planar microfluidic devices for the characterization of sulfur compounds in hydrocarbon matrices. <i>Journal of Chromatography A</i> , 2013, 1297, 231-235. | 1.8 | 12 |

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|-----|---|-----|-----------|
| 91 | Capillary ion chromatography with on-column focusing for ultra-trace analysis of methanesulfonate and inorganic anions in limited volume Antarctic ice core samples. <i>Journal of Chromatography A</i> , 2015, 1409, 182-188. | 1.8 | 12 |
| 92 | Assessment of the complementarity of temperature and flow-rate for response normalisation of aerosol-based detectors. <i>Journal of Chromatography A</i> , 2014, 1356, 180-187. | 1.8 | 11 |
| 93 | High-speed, low-pressure gas chromatographyâ€“mass spectrometry for essential oil analysis. <i>Journal of Chromatography A</i> , 2008, 1200, 28-33. | 1.8 | 10 |
| 94 | Fast ion chromatography using short anion exchange columns. <i>Journal of Chromatography A</i> , 2009, 1216, 8512-8517. | 1.8 | 10 |
| 95 | Determination of trace ethylene glycol in industrial solvents and lubricants using phenyl boronic acid derivatization and multidimensional gas chromatography. <i>Analytica Chimica Acta</i> , 2013, 805, 101-106. | 2.6 | 10 |
| 96 | Characterization of Phenol and Alkyl Phenols in Organic Matrixes with Monoethylene Glycol Extraction and Multidimensional Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 6219-6223. | 3.2 | 10 |
| 97 | Multiplexed dual first-dimension comprehensive two-dimensional gas chromatographyâ€“mass spectrometry with contra-directional thermal modulation. <i>Journal of Chromatography A</i> , 2014, 1365, 183-190. | 1.8 | 10 |
| 98 | Miniaturized micromachined gas chromatography with universal and selective detectors for targeted volatile compounds analysis. <i>Journal of Chromatography A</i> , 2018, 1573, 151-155. | 1.8 | 10 |
| 99 | Temperature-Programmable Resistively Heated Micromachined Gas Chromatography and Differential Mobility Spectrometry Detection for the Determination of Non-Sulfur Odorants in Natural Gas. <i>Analytical Chemistry</i> , 2013, 85, 3369-3373. | 3.2 | 9 |
| 100 | Determination of furfurals in Manuka honey using piston-cylinder liquidâ€“liquid extraction and gas chromatography. <i>Journal of Chromatography A</i> , 2014, 1362, 43-48. | 1.8 | 9 |
| 101 | Computer-assisted multi-segment gradient optimization in ion chromatography. <i>Journal of Chromatography A</i> , 2015, 1381, 101-109. | 1.8 | 9 |
| 102 | Computer-assisted simulation and optimisation of retention in ion chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 625-635. | 5.8 | 9 |
| 103 | Membrane assisted and temperature controlled on-line evaporative concentration for microfluidics. <i>Journal of Chromatography A</i> , 2017, 1486, 110-116. | 1.8 | 9 |
| 104 | Comprehensive Two-Dimensional Gas Chromatography - Mass Spectrometry and its Use in High-Resolution Metabolomics. <i>Australian Journal of Chemistry</i> , 2005, 58, 619. | 0.5 | 8 |
| 105 | Probing the kinetic performance limits for ion chromatography. I. Isocratic conditions for small ions. <i>Journal of Chromatography A</i> , 2010, 1217, 5057-5062. | 1.8 | 8 |
| 106 | Enhanced methodology for porting ion chromatography retention data. <i>Journal of Chromatography A</i> , 2016, 1436, 59-63. | 1.8 | 8 |
| 107 | Gas chromatography with diode array detection in series with flame ionisation detection. <i>Journal of Chromatography A</i> , 2017, 1500, 153-159. | 1.8 | 8 |
| 108 | Positive Temperature Coefficient Compensating Heating for Analytical Devices. <i>Analytical Chemistry</i> , 2018, 90, 6426-6430. | 3.2 | 8 |

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|-----|--|-----|-----------|
| 109 | Chapter 9 Volatile Components of Plants, Essential Oils, and Fragrances. Comprehensive Analytical Chemistry, 2009, 55, 189-213. | 0.7 | 7 |
| 110 | Methodology for porting retention prediction data from old to new columns and from conventional-scale to miniaturised ion chromatography systems. Journal of Chromatography A, 2011, 1218, 5512-5519. | 1.8 | 7 |
| 111 | Multidimensional <sc>GC</sc> using planar microfluidic devices for the characterization of phenolic antioxidants in fuels. Journal of Separation Science, 2013, 36, 2738-2745. | 1.3 | 7 |
| 112 | Multiplexed dual second-dimension column comprehensive two-dimensional gas chromatography (GC \bar{A} –2GC) using thermal modulation and contra-directional second-dimension columns. Analytica Chimica Acta, 2013, 803, 160-165. | 2.6 | 7 |
| 113 | Trace-level screening of dichlorophenols in processed dairy milk by headspace gas chromatography. Journal of Separation Science, 2016, 39, 3957-3963. | 1.3 | 7 |
| 114 | Parallel comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2017, 1524, 202-209. | 1.8 | 7 |
| 115 | Gas chromatography with simultaneous detection: Ultraviolet spectroscopy, flame ionization, and mass spectrometry. Journal of Chromatography A, 2018, 1563, 171-179. | 1.8 | 7 |
| 116 | Resistively heated temperature programmable silicon micromachined gas chromatography with differential mobility spectrometry. International Journal for Ion Mobility Spectrometry, 2012, 15, 179-187. | 1.4 | 6 |
| 117 | Comment on "Structural characterization of dissolved organic matter: a review of current techniques for isolation and analysis" by E. C. Minor, M. M. Swenson, B. M. Mattson, and A. R. Oyler, Environ. Sci.: Processes Impacts, 2014, 16, 2064. Environmental Sciences: Processes and Impacts, 2015, 17, 495-496. | 1.7 | 6 |
| 118 | Simple, quantitative method for low molecular weight dissolved organic matter extracted from natural waters based upon high performance counter-current chromatography. Analytica Chimica Acta, 2016, 909, 129-138. | 2.6 | 6 |
| 119 | Uniformity and Sensitivity Improvements in Comprehensive Two-Dimensional Gas Chromatography Using Flame Ionization Detection with Post-Column Reaction. Analytical Chemistry, 2019, 91, 11223-11230. | 3.2 | 6 |
| 120 | Gas chromatography and diode array detection for the direct measurement of carbon disulfide in challenging matrices. Analytical Methods, 2017, 9, 3908-3913. | 1.3 | 5 |
| 121 | On-line solvent exchange system: Automation from extraction to analysis. Analytica Chimica Acta, 2019, 1047, 231-237. | 2.6 | 5 |
| 122 | Development of polydimethylsiloxane-microdiamond composite materials for application as sorptive devices. Journal of Chromatography A, 2020, 1613, 460669. | 1.8 | 5 |
| 123 | Ultra-High Resolution Capillary Gas Chromatography by Using Cryogenic Modulation. Australian Journal of Chemistry, 2003, 56, 187. | 0.5 | 4 |
| 124 | Temperature-programmable low thermal mass silicon micromachined gas chromatography and differential mobility detection for the fast analysis of trace level of ethylene oxide in medical work place atmospheres. Journal of Chromatography A, 2012, 1261, 136-141. | 1.8 | 4 |
| 125 | Back-flushing and heart cut capillary gas chromatography using planar microfluidic Deans TM switching for the separation of benzene and alkylbenzenes in industrial samples. Journal of Chromatography A, 2015, 1421, 123-128. | 1.8 | 4 |
| 126 | Identifying aroma-active compounds in coffee-flavored dairy beverages. Journal of Food Science, 2022, 87, 982-997. | 1.5 | 4 |

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|-----|--|-----|-----------|
| 127 | Direct measurement of part-per-billion levels of dimethyl sulfoxide in water by gas chromatography with stacked injection and chemiluminescence detection. <i>Journal of Separation Science</i> , 2012, 35, 1486-1493. | 1.3 | 3 |
| 128 | Determination of ethylene glycol in lubricants by derivatization static headspace gas chromatography. <i>Analytical Methods</i> , 2015, 7, 5545-5550. | 1.3 | 3 |
| 129 | Piston-cylinder based micro liquid-liquid extraction with GC-qMS for trace analysis of targeted chlorinated organic compounds in water. <i>Canadian Journal of Chemistry</i> , 2015, 93, 1283-1289. | 0.6 | 3 |
| 130 | A simplified approach in flow controlled multi-dimensional gas chromatography. <i>Analytical Methods</i> , 2017, 9, 2835-2839. | 1.3 | 2 |
| 131 | Hop (<i>Humulus lupulus</i> L.) Volatiles Variation During Storage. <i>Journal of the American Society of Brewing Chemists</i> , 2020, 78, 114-125. | 0.8 | 2 |
| 132 | The effect of fat and coffee concentration on the consumer acceptance of iced coffee beverages. <i>Journal of Food Science</i> , 2021, 86, 5004-5015. | 1.5 | 2 |
| 133 | Differential ion mobility spectrometry with temperature programmable micromachined gas chromatography for the determination of bis(chloromethyl)ether. <i>Analytical Methods</i> , 2017, 9, 5003-5008. | 1.3 | 1 |
| 134 | Advances in Automated Piston Liquid-Liquid Microextraction Technique. <i>Journal of Chromatography A</i> , 2021, 1651, 462330. | 1.8 | 1 |
| 135 | CAPILLARY ELECTROPHORESIS Low Molecular Mass Ions. , 2013, , . | | 0 |