

# Jared L Anderson

## List of Publications by Year in descending order

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171  
papers

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173  
docs citations

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times ranked

8093  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Characterizing Ionic Liquids On the Basis of Multiple Solvation Interactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 14247-14254.  | 6.6 | 1,036     |
| 2  | Structure and Properties of High Stability Geminal Dicationic Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2005, 127, 593-604.   | 6.6 | 712       |
| 3  | High-Stability Ionic Liquids. A New Class of Stationary Phases for Gas Chromatography. <i>Analytical Chemistry</i> , 2003, 75, 4851-4858.  | 3.2 | 455       |
| 4  | Ionic Liquids in Analytical Chemistry. <i>Analytical Chemistry</i> , 2006, 78, 2892-2902.  | 3.2 | 433       |
| 5  | Ionic Liquids in Analytical Chemistry: Fundamentals, Advances, and Perspectives. <i>Analytical Chemistry</i> , 2014, 86, 262-285.  | 3.2 | 422       |
| 6  | Immobilized Ionic Liquids as High-Selectivity/High-Temperature/High-Stability Gas Chromatography Stationary Phases. <i>Analytical Chemistry</i> , 2005, 77, 6453-6462.   | 3.2 | 388       |
| 7  | Surfactant solvation effects and micelle formation in ionic liquids. <i>Chemical Communications</i> , 2003, , 2444.  | 2.2 | 338       |
| 8  | Interfacial and micellar properties of imidazolium-based monocationic and dicationic ionic liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 150-156.  | 2.3 | 258       |
| 9  | Ionic liquids in solid-phase microextraction: A review. <i>Analytica Chimica Acta</i> , 2011, 695, 18-43.  | 2.6 | 258       |
| 10 | Polymeric ionic liquids as selective coatings for the extraction of esters using solid-phase microextraction. <i>Journal of Chromatography A</i> , 2008, 1208, 1-9.  | 1.8 | 222       |
| 11 | Dispersive liquid-liquid microextraction using an in situ metathesis reaction to form an ionic liquid extraction phase for the preconcentration of aromatic compounds from water. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1491-1502.                                  | 1.9 | 193       |
| 12 | Advances of Ionic Liquids in Analytical Chemistry. <i>Analytical Chemistry</i> , 2019, 91, 505-531.  | 3.2 | 180       |
| 13 | Extraction of DNA by Magnetic Ionic Liquids: Tunable Solvents for Rapid and Selective DNA Analysis. <i>Analytical Chemistry</i> , 2015, 87, 1552-1559.   | 3.2 | 176       |
| 14 | Magnetic ionic liquids in analytical chemistry: A review. <i>Analytica Chimica Acta</i> , 2016, 934, 9-21.   | 2.6 | 174       |
| 15 | Recent advances of ionic liquids in separation science and mass spectrometry. <i>RSC Advances</i> , 2012, 2, 5470.   | 1.7 | 168       |
| 16 | Ionic Liquids Containing the Tris(pentafluoroethyl)trifluorophosphate Anion: a New Class of Highly Selective and Ultra Hydrophobic Solvents for the Extraction of Polycyclic Aromatic Hydrocarbons Using Single Drop Microextraction. <i>Analytical Chemistry</i> , 2009, 81, 5054-5063. | 3.2 | 165       |
| 17 | Retention characteristics of organic compounds on molten salt and ionic liquid-based gas chromatography stationary phases. <i>Journal of Chromatography A</i> , 2009, 1216, 1658-1712.   | 1.8 | 134       |
| 18 | Ionic liquid and polymeric ionic liquid coatings in solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 219-232.   | 5.8 | 134       |

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|----|--|-----|-----------|
| 19 | Ionic liquids: solvents and sorbents in sample preparation. <i>Journal of Separation Science</i> , 2018, 41, 209-235.  | 1.3 | 126       |
| 20 | Utilization of a benzyl functionalized polymeric ionic liquid for the sensitive determination of polycyclic aromatic hydrocarbons; parabens and alkylphenols in waters using solid-phase microextraction coupled to gas chromatography-flame ionization detection. <i>Journal of Chromatography A</i> , 2010, 1217, 7189-7197. | 1.8 | 122       |
| 21 | Non-conventional solvents in liquid phase microextraction and aqueous biphasic systems. <i>Journal of Chromatography A</i> , 2017, 1500, 1-23.   | 1.8 | 114       |
| 22 | Tuning the selectivity of polymeric ionic liquid sorbent coatings for the extraction of polycyclic aromatic hydrocarbons using solid-phase microextraction. <i>Journal of Chromatography A</i> , 2010, 1217, 6143-6152.  | 1.8 | 108       |
| 23 | Determination of water pollutants by direct-immersion solid-phase microextraction using polymeric ionic liquid coatings. <i>Journal of Chromatography A</i> , 2010, 1217, 1236-1243.   | 1.8 | 105       |
| 24 | Selective extraction of emerging contaminants from water samples by dispersive liquid-liquid microextraction using functionalized ionic liquids. <i>Journal of Chromatography A</i> , 2011, 1218, 1556-1566.   | 1.8 | 105       |
| 25 | Deep eutectic solvents in separations: Methods of preparation, polarity, and applications in extractions and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2020, 1633, 461613.   | 1.8 | 97        |
| 26 | Polymeric Ionic Liquids as CO <sub>2</sub> Selective Sorbent Coatings for Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2010, 82, 707-713.  | 3.2 | 94        |
| 27 | Role of counteranions in polymeric ionic liquid-based solid-phase microextraction coatings for the selective extraction of polar compounds. <i>Analytica Chimica Acta</i> , 2011, 687, 141-149.  | 2.6 | 93        |
| 28 | Ionic Liquid-Based Surfactants in Separation Science. <i>Separation Science and Technology</i> , 2012, 47, 264-276.  | 1.3 | 92        |
| 29 | Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 4829-4835.  | 3.2 | 84        |
| 30 | Ultraviolet Photoinitiated On-Fiber Copolymerization of Ionic Liquid Sorbent Coatings for Headspace and Direct Immersion Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2012, 84, 9520-9528.   | 3.2 | 81        |
| 31 | Faster dispersive liquid-liquid microextraction methods using magnetic ionic liquids as solvents. <i>Journal of Chromatography A</i> , 2016, 1463, 11-19.  | 1.8 | 81        |
| 32 | Synthetic Strategies for Tailoring the Physicochemical and Magnetic Properties of Hydrophobic Magnetic Ionic Liquids. <i>Chemistry of Materials</i> , 2015, 27, 923-931.   | 3.2 | 80        |
| 33 | Headspace single drop microextraction versus dispersive liquid-liquid microextraction using magnetic ionic liquid extraction solvents. <i>Talanta</i> , 2017, 167, 268-278.  | 2.9 | 80        |
| 34 | Ionic liquids as solvents for in situ dispersive liquid-liquid microextraction of DNA. <i>Journal of Chromatography A</i> , 2013, 1272, 8-14.  | 1.8 | 78        |
| 35 | Exploiting the Versatility of Ionic Liquids in Separation Science: Determination of Low-Volatility Aliphatic Hydrocarbons and Fatty Acid Methyl Esters Using Headspace Solid-Phase Microextraction Coupled to Gas Chromatography. <i>Analytical Chemistry</i> , 2009, 81, 7107-7112.   | 3.2 | 76        |
| 36 | Sample Preparation for Bioanalytical and Pharmaceutical Analysis. <i>Analytical Chemistry</i> , 2016, 88, 11262-11270.   | 3.2 | 73        |

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|----|--|-----|-----------|
| 37 | Introducing a new and rapid microextraction approach based on magnetic ionic liquids: Stir bar dispersive liquid microextraction. <i>Analytica Chimica Acta</i> , 2017, 983, 130-140.  | 2.6 | 72        |
| 38 | Trace determination of volatile polycyclic aromatic hydrocarbons in natural waters by magnetic ionic liquid-based stir bar dispersive liquid microextraction. <i>Talanta</i> , 2018, 176, 253-261.   | 2.9 | 72        |
| 39 | Solid-phase microextraction of heavy metals in natural water with a polypyrrole/carbon nanotube/1,10-phenanthroline composite sorbent material. <i>Talanta</i> , 2018, 188, 570-577.   | 2.9 | 71        |
| 40 | Magnetic ionic liquids as PCR-compatible solvents for DNA extraction from biological samples. <i>Chemical Communications</i> , 2015, 51, 16771-16773.  | 2.2 | 70        |
| 41 | Single drop microextraction in a 96-well plate format: A step toward automated and high-throughput analysis. <i>Analytica Chimica Acta</i> , 2019, 1063, 159-166.  | 2.6 | 67        |
| 42 | Chemical immobilization of crosslinked polymeric ionic liquids on nitinol wires produces highly robust sorbent coatings for solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2014, 843, 18-26.   | 2.6 | 65        |
| 43 | Magnetic ionic liquids as non-conventional extraction solvents for the determination of polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2016, 934, 106-113.  | 2.6 | 64        |
| 44 | Magnetic ionic liquids as extraction solvents in vacuum headspace single-drop microextraction. <i>Talanta</i> , 2017, 172, 86-94.  | 2.9 | 64        |
| 45 | Determination of polychlorinated biphenyls in ocean water and bovine milk using crosslinked polymeric ionic liquid sorbent coatings by solid-phase microextraction. <i>Talanta</i> , 2014, 118, 172-179.   | 2.9 | 63        |
| 46 | Synthesis and characterization of low viscosity hexafluoroacetylacetonate-based hydrophobic magnetic ionic liquids. <i>New Journal of Chemistry</i> , 2017, 41, 5498-5505.   | 1.4 | 63        |
| 47 | Rapid and sensitive analysis of polychlorinated biphenyls and acrylamide in food samples using ionic liquid-based in situ dispersive liquid-liquid microextraction coupled to headspace gas chromatography. <i>Journal of Chromatography A</i> , 2017, 1481, 1-11.   | 1.8 | 63        |
| 48 | Visual Detection of Single-Nucleotide Polymorphisms Using Molecular Beacon Loop-Mediated Isothermal Amplification with Centrifuge-Free DNA Extraction. <i>Analytical Chemistry</i> , 2019, 91, 6991-6995.  | 3.2 | 63        |
| 49 | Utilization of highly robust and selective crosslinked polymeric ionic liquid-based sorbent coatings in direct-immersion solid-phase microextraction and high-performance liquid chromatography for determining polar organic pollutants in waters. <i>Talanta</i> , 2016, 158, 125-133.                   | 2.9 | 60        |
| 50 | Crosslinked polymeric ionic liquids as solid-phase microextraction sorbent coatings for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1438, 10-21.  | 1.8 | 60        |
| 51 | Synthesis of copolyimides based on room temperature ionic liquid diamines. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4036-4046.   | 2.5 | 58        |
| 52 | Magnetic ionic liquids as versatile extraction phases for the rapid determination of estrogens in human urine by dispersive liquid-liquid microextraction coupled with high-performance liquid chromatography-diode array detection. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4689-4699. | 1.9 | 58        |
| 53 | Polymeric ionic liquid coatings versus commercial solid-phase microextraction coatings for the determination of volatile compounds in cheeses. <i>Talanta</i> , 2014, 121, 153-162.  | 2.9 | 55        |
| 54 | Determination of acrylamide in brewed coffee and coffee powder using polymeric ionic liquid-based sorbent coatings in solid-phase microextraction coupled to gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1449, 2-7.   | 1.8 | 55        |

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|----|---|-----|-----------|
| 55 | Exploiting the tunable selectivity features of polymeric ionic liquid-based SPME sorbents in food analysis. <i>Talanta</i> , 2018, 188, 522-530.  | 2.9 | 55        |
| 56 | Vacuum-assisted headspace-solid phase microextraction for determining volatile free fatty acids and phenols. Investigations on the effect of pressure on competitive adsorption phenomena in a multicomponent system. <i>Analytica Chimica Acta</i> , 2017, 962, 41-51. | 2.6 | 53        |
| 57 | Extraction and Purification of DNA from Complex Biological Sample Matrices Using Solid-Phase Microextraction Coupled with Real-Time PCR. <i>Analytical Chemistry</i> , 2016, 88, 7813-7820.   | 3.2 | 52        |
| 58 | Ionic liquid stationary phases for multidimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 367-379.  | 5.8 | 51        |
| 59 | Preconcentration of DNA using magnetic ionic liquids that are compatible with real-time PCR for rapid nucleic acid quantification. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4135-4144.  | 1.9 | 49        |
| 60 | Selective extraction of genotoxic impurities and structurally alerting compounds using polymeric ionic liquid sorbent coatings in solid-phase microextraction: Alkyl halides and aromatics. <i>Journal of Chromatography A</i> , 2012, 1240, 29-44.                     | 1.8 | 48        |
| 61 | Tuning the Selectivity of Ionic Liquid Stationary Phases for Enhanced Separation of Nonpolar Analytes in Kerosene Using Multidimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2014, 86, 3717-3721.   | 3.2 | 48        |
| 62 | Electropolymerized Pyrrole-Based Conductive Polymeric Ionic Liquids and Their Application for Solid-Phase Microextraction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24955-24963.  | 4.0 | 48        |
| 63 | Nucleic acid extraction: Fundamentals of sample preparation methodologies, current advancements, and future endeavors. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115985.  | 5.8 | 48        |
| 64 | In situ formation of hydrophobic magnetic ionic liquids for dispersive liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2019, 1588, 8-16.  | 1.8 | 47        |
| 65 | Enhanced magnetic ionic liquid-based dispersive liquid-liquid microextraction of triazines and sulfonamides through a one-pot, pH-modulated approach. <i>Journal of Chromatography A</i> , 2018, 1571, 47-54.   | 1.8 | 46        |
| 66 | Capture, Concentration, and Detection of <i>Salmonella</i> in Foods Using Magnetic Ionic Liquids and Recombinase Polymerase Amplification. <i>Analytical Chemistry</i> , 2019, 91, 1113-1120.   | 3.2 | 46        |
| 67 | Rapid and sensitive analysis of microcystins using ionic liquid-based in situ dispersive liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2015, 1406, 10-18.   | 1.8 | 45        |
| 68 | Polymeric ionic liquid bucky gels as sorbent coatings for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2014, 1344, 15-22.  | 1.8 | 44        |
| 69 | A chemometric approach toward the detection and quantification of coffee adulteration by solid-phase microextraction using polymeric ionic liquid sorbent coatings. <i>Journal of Chromatography A</i> , 2014, 1346, 1-7.   | 1.8 | 43        |
| 70 | Thermochemical investigations of solute transfer into ionic liquid solvents: updated Abraham model equation coefficients for solute activity coefficient and partition coefficient predictions. <i>Physics and Chemistry of Liquids</i> , 2014, 52, 488-518.            | 0.4 | 42        |
| 71 | Conductive polymeric ionic liquids for electroanalysis and solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2016, 910, 45-52.   | 2.6 | 41        |
| 72 | Determination of trace level genotoxic impurities in small molecule drug substances using conventional headspace gas chromatography with contemporary ionic liquid diluents and electron capture detection. <i>Journal of Chromatography A</i> , 2014, 1361, 217-228.   | 1.8 | 40        |

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|----|--|-----|-----------|
| 73 | Rapid preconcentration of viable bacteria using magnetic ionic liquids for PCR amplification and culture-based diagnostics. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4983-4991.  | 1.9 | 40        |
| 74 | Expanding the use of polymeric ionic liquids in headspace solid-phase microextraction: Determination of ultraviolet filters in water samples. <i>Journal of Chromatography A</i> , 2018, 1540, 11-20.  | 1.8 | 40        |
| 75 | Extraction of DNA with magnetic ionic liquids using in situ dispersive liquid-liquid microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7375-7385.  | 1.9 | 40        |
| 76 | Synthesis of glucaminium-based ionic liquids and their application in the removal of boron from water. <i>Chemical Communications</i> , 2012, 48, 1410-1412.   | 2.2 | 38        |
| 77 | Ion-Tagged Oligonucleotides Coupled with a Magnetic Liquid Support for the Sequence-Specific Capture of DNA. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7630-7633.   | 7.2 | 38        |
| 78 | Matrix solid-phase dispersion based on magnetic ionic liquids: An alternative sample preparation approach for the extraction of pesticides from vegetables. <i>Journal of Chromatography A</i> , 2018, 1581-1582, 168-172.   | 1.8 | 38        |
| 79 | Preservation of DNA in nuclease-rich samples using magnetic ionic liquids. <i>RSC Advances</i> , 2016, 6, 39846-39851.   | 1.7 | 37        |
| 80 | Developing qualitative extraction profiles of coffee aromas utilizing polymeric ionic liquid sorbent coatings in headspace solid-phase microextraction gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2965-2976. | 1.9 | 36        |
| 81 | In situ generation of hydrophobic magnetic ionic liquids in stir bar dispersive liquid-liquid microextraction coupled with headspace gas chromatography. <i>Talanta</i> , 2019, 196, 420-428.  | 2.9 | 36        |
| 82 | Ionic liquid-alkane association in dilute solutions. <i>Theoretical Chemistry Accounts</i> , 2006, 117, 127-135.   | 0.5 | 35        |
| 83 | Solid-phase extraction, quantification, and selective determination of microcystins in water with a gold-polypyrrole nanocomposite sorbent material. <i>Journal of Chromatography A</i> , 2018, 1560, 1-9.   | 1.8 | 35        |
| 84 | Insight into the extraction mechanism of polymeric ionic liquid sorbent coatings in solid-phase microextraction. <i>Journal of Chromatography A</i> , 2013, 1298, 146-151.   | 1.8 | 34        |
| 85 | Advances in the analysis of biological samples using ionic liquids. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4567-4573.  | 1.9 | 33        |
| 86 | Identifying important structural features of ionic liquid stationary phases for the selective separation of nonpolar analytes by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2015, 1386, 89-97.                         | 1.8 | 32        |
| 87 | Matrix-compatible sorbent coatings based on structurally-tuned polymeric ionic liquids for the determination of acrylamide in brewed coffee and coffee powder using solid-phase microextraction. <i>Journal of Chromatography A</i> , 2016, 1459, 17-23.           | 1.8 | 32        |
| 88 | Use of ionic liquids as headspace gas chromatography diluents for the analysis of residual solvents in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 879-886.   | 1.4 | 32        |
| 89 | Solid-Phase Microextraction of DNA from Mycobacteria in Artificial Sputum Samples To Enable Visual Detection Using Isothermal Amplification. <i>Analytical Chemistry</i> , 2018, 90, 6922-6928.  | 3.2 | 32        |
| 90 | Headspace Single Drop Microextraction Using Micellar Ionic Liquid Extraction Solvents. <i>Chromatographia</i> , 2010, 72, 393-402.   | 0.7 | 31        |

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| 91  | Characterization of the aroma profile of novel Brazilian wines by solid-phase microextraction using polymeric ionic liquid sorbent coatings. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4749-4762.  | 1.9 | 31        |
| 92  | Polymeric ionic liquid sorbent coatings in headspace solid-phase microextraction: A green sample preparation technique for the determination of pesticides in soil. <i>Microchemical Journal</i> , 2020, 157, 104996.   | 2.3 | 31        |
| 93  | Determination of solute partition behavior with room-temperature ionic liquid based micellar gas-liquid chromatography stationary phases using the pseudophase model. <i>Journal of Chromatography A</i> , 2006, 1115, 217-224.   | 1.8 | 30        |
| 94  | Selective and Efficient RNA Analysis by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2017, 89, 10661-10666.   | 3.2 | 30        |
| 95  | Silver-based polymeric ionic liquid sorbent coatings for solid-phase microextraction: Materials for the selective extraction of unsaturated compounds. <i>Analytica Chimica Acta</i> , 2019, 1047, 52-61.   | 2.6 | 30        |
| 96  | Solid-Phase Microextraction Enables Isolation of BRAF V600E Circulating Tumor DNA from Human Plasma for Detection with a Molecular Beacon Loop-Mediated Isothermal Amplification Assay. <i>Analytical Chemistry</i> , 2020, 92, 3346-3353.  | 3.2 | 30        |
| 97  | Argentation gas chromatography revisited: Separation of light olefin/paraffin mixtures using silver-based ionic liquid stationary phases. <i>Journal of Chromatography A</i> , 2017, 1523, 316-320.   | 1.8 | 29        |
| 98  | Separation of racemic sulfoxides and sulfinate esters on four derivatized cyclodextrin chiral stationary phases using capillary gas chromatography. <i>Journal of Chromatography A</i> , 2002, 946, 197-208.  | 1.8 | 28        |
| 99  | Zwitterionic polymeric ionic liquid-based sorbent coatings in solid phase microextraction for the determination of short chain free fatty acids. <i>Talanta</i> , 2019, 200, 415-423.   | 2.9 | 28        |
| 100 | Theory and Use of the Pseudophase Model in Gas-Liquid Chromatographic Enantiomeric Separations. <i>Analytical Chemistry</i> , 2006, 78, 113-119.  | 3.2 | 27        |
| 101 | Sequence-Specific Detection of ORF1a, BRAF, and ompW DNA Sequences with Loop Mediated Isothermal Amplification on Lateral Flow Immunoassay Strips Enabled by Molecular Beacons. <i>Analytical Chemistry</i> , 2021, 93, 4149-4153.  | 3.2 | 27        |
| 102 | Double salts of ionic-liquid-based surfactants in microextraction: application of their mixed hemimicelles as novel sorbents in magnetic-assisted micro-dispersive solid-phase extraction for the determination of phenols. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8753-8764. | 1.9 | 26        |
| 103 | Lipidic ionic liquid stationary phases for the separation of aliphatic hydrocarbons by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2017, 1481, 127-136.  | 1.8 | 26        |
| 104 | Correlation of the Solubilizing Abilities of Hexyl(trimethyl)ammonium bis((Trifluoromethyl)sulfonyl)imide, 1-Propyl-1-methylpiperidinium bis((Trifluoromethyl)sulfonyl)imide, and 1-Butyl-1-methyl-pyrrolidinium Thiocyanate. <i>Journal of Solution Chemistry</i> , 2011, 40, 2000-2022.         | 0.6 | 25        |
| 105 | Automated direct-immersion solid-phase microextraction using crosslinked polymeric ionic liquid sorbent coatings for the determination of water pollutants by gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4615-4627.   | 1.9 | 25        |
| 106 | Determination of UV filters in high ionic strength sample solutions using matrix-compatible coatings for solid-phase microextraction. <i>Talanta</i> , 2018, 182, 74-82.  | 2.9 | 25        |
| 107 | Development of an innovative and sustainable one-step method for rapid plant DNA isolation for targeted PCR using magnetic ionic liquids. <i>Plant Methods</i> , 2019, 15, 23.  | 1.9 | 25        |
| 108 | Ionic liquids as stationary phases for gas chromatography—Unusual selectivity of ionic liquids with a phosphonium cation and different anions in the flavor, fragrance and essential oil analyses. <i>Journal of Chromatography A</i> , 2019, 1583, 124-135.                                      | 1.8 | 25        |

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|-----|--|-----|-----------|
| 109 | Correlation of the Solubilizing Abilities of 1-Butyl-1-methylpiperidinium Bis(trifluoromethylsulfonyl)imide and 1-Butyl-1-methylpyrrolidinium Tetracyanoborate. <i>Journal of Solution Chemistry</i> , 2012, 41, 1165-1184.  | 0.6 | 24        |
| 110 | Determination of volatile polycyclic aromatic hydrocarbons in waters using headspace solid-phase microextraction with a benzyl-functionalized crosslinked polymeric ionic liquid coating. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1897-1904.  | 1.2 | 24        |
| 111 | Magnetic ionic liquids based on transition metal complexes with <i>N</i> -alkylimidazole ligands. <i>New Journal of Chemistry</i> , 2019, 43, 20-23.   | 1.4 | 24        |
| 112 | Advances in Mutation Detection Using Loop-Mediated Isothermal Amplification. <i>ACS Omega</i> , 2021, 6, 3463-3469.  | 1.6 | 22        |
| 113 | Comparing the extraction performance of cyclodextrin-containing supramolecular deep eutectic solvents versus conventional deep eutectic solvents by headspace single drop microextraction. <i>Journal of Chromatography A</i> , 2021, 1658, 462588.  | 1.8 | 22        |
| 114 | Evaluating the complexation behavior and regeneration of boron selective glucaminium-based ionic liquids when used as extraction solvents. <i>Analytica Chimica Acta</i> , 2012, 740, 66-73.   | 2.6 | 21        |
| 115 | Correlation of the Solubilizing Abilities of 1-Butyl-1-methyl-pyrrolidinium Tris(pentafluoroethyl)trifluorophosphate, 1-Butyl-1-methylpyrrolidinium Triflate and 1-Methoxyethyl-1-methylmorpholinium Tris(pentafluoroethyl)trifluorophosphate. <i>Journal of Solution Chemistry</i> , 2013, 42, 772-799. | 0.6 | 21        |
| 116 | Ionic liquids as tunable materials in (bio)analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4565-4566.   | 1.9 | 21        |
| 117 | Metal-containing and magnetic ionic liquids in analytical extractions and gas separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 140, 116275.   | 5.8 | 21        |
| 118 | Crosslinked structurally-tuned polymeric ionic liquids as stationary phases for the analysis of hydrocarbons in kerosene and diesel fuels by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2016, 1440, 160-171.   | 1.8 | 20        |
| 119 | Ultra-high thermal stability perarylated ionic liquids as gas chromatographic stationary phases for the selective separation of polyaromatic hydrocarbons and polychlorinated biphenyls. <i>Journal of Chromatography A</i> , 2019, 1604, 460466.  | 1.8 | 20        |
| 120 | Magnetic ionic liquid-enhanced isothermal nucleic acid amplification and its application to rapid visual DNA analysis. <i>Analytica Chimica Acta</i> , 2019, 1045, 132-140.  | 2.6 | 20        |
| 121 | Allelic discrimination between circulating tumor DNA fragments enabled by a multiplex-qPCR assay containing DNA-enriched magnetic ionic liquids. <i>Analytica Chimica Acta</i> , 2020, 1124, 184-193.  | 2.6 | 20        |
| 122 | Magnetic Ionic Liquids as Solvents for RNA Extraction and Preservation. <i>ACS Omega</i> , 2020, 5, 11151-11159.   | 1.6 | 20        |
| 123 | Sequence-specific preconcentration of a mutation prone KRAS fragment from plasma using ion-tagged oligonucleotides coupled to qPCR compatible magnetic ionic liquid solvents. <i>Analytica Chimica Acta</i> , 2019, 1068, 1-10.  | 2.6 | 19        |
| 124 | Simultaneous cell lysis and DNA extraction from whole blood using magnetic ionic liquids. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8039-8049.  | 1.9 | 19        |
| 125 | High-throughput approach for the in situ generation of magnetic ionic liquids in parallel-dispersive droplet extraction of organic micropollutants in aqueous environmental samples. <i>Talanta</i> , 2021, 223, 121759.   | 2.9 | 19        |
| 126 | Investigating the Variation in Solvation Interactions of Choline Chloride-Based Deep Eutectic Solvents Formed Using Different Hydrogen Bond Donors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11970-11980.   | 3.2 | 19        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
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