

Jared L Anderson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/916879/publications.pdf>

Version: 2024-02-01

171
papers

11,487
citations

34493

54
h-index

35168

102
g-index

173
all docs

173
docs citations

173
times ranked

8093
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective extraction of low-abundance BRAF V600E mutation from plasma, urine, and sputum using ion-tagged oligonucleotides and magnetic ionic liquids. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 277-286.	1.9	4
2	Crosslinked zwitterionic polymeric ionic liquid-functionalized nitinol wires for fiber-in-tube solid-phase microextraction and UHPLC-MS/MS as an amyloid beta peptide binding protein assay in biological fluids. <i>Analytica Chimica Acta</i> , 2022, 1193, 339394.	2.6	10
3	Immobilization of phosphonium-based ionic liquid stationary phases extends their operative range to routine applications in the flavor, fragrance and natural product fields. <i>Journal of Chromatography A</i> , 2022, 1664, 462796.	1.8	1
4	Investigating the effect of systematically modifying the molar ratio of hydrogen bond donor and acceptor on solvation characteristics of deep eutectic solvents formed using choline chloride salt and polyalcohols. <i>Journal of Chromatography A</i> , 2022, 1667, 462871.	1.8	10
5	Characterizing the Solvation Characteristics of Deep Eutectic Solvents Composed of Active Pharmaceutical Ingredients as a Hydrogen Bond Donor and/or Acceptor. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3066-3078.	3.2	13
6	Thin Film Microextraction Enables Rapid Isolation and Recovery of DNA for Downstream Amplification Assays. <i>Analytical Chemistry</i> , 2022, 94, 3677-3684.	3.2	12
7	Simple and efficient isolation of plant genomic DNA using magnetic ionic liquids. <i>Plant Methods</i> , 2022, 18, 37.	1.9	10
8	Electropolymerization of Pyrrole-Based Ionic Liquids on Selected Wireless Bipolar Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18087-18096.	4.0	1
9	Temperature-Dependent Constrained Diffusion of Micro-Confined Alkylimidazolium Chloride Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4324-4333.	1.2	4
10	Synthesis and characterization of magnetic ionic liquids containing multiple paramagnetic lanthanide and transition metal centers and functionalized diglycolamide ligands. <i>Journal of Molecular Liquids</i> , 2022, 361, 119530.	2.3	6
11	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
12	Advances in Mutation Detection Using Loop-Mediated Isothermal Amplification. <i>ACS Omega</i> , 2021, 6, 3463-3469.	1.6	22
13	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
14	Modulating solvation interactions of deep eutectic solvents formed by ammonium salts and carboxylic acids through varying the molar ratio of hydrogen bond donor and acceptor. <i>Journal of Chromatography A</i> , 2021, 1643, 462011.	1.8	12
15	Polymeric metal-containing ionic liquid sorbent coating for the determination of amines using headspace solid-phase microextraction. <i>Journal of Separation Science</i> , 2021, 44, 2620-2630.	1.3	9
16	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
17	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
18	Essential Requirements of Biocompatible Cellulose Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11825-11836.	3.2	17

#	ARTICLE	IF	CITATIONS
19	Magnetic ionic liquids as microRNA extraction solvents and additives for the exponential amplification reaction. <i>Analytica Chimica Acta</i> , 2021, 1181, 338900.	2.6	9
20	Using a Chromatographic Pseudophase Model To Elucidate the Mechanism of Olefin Separation by Silver(I) Ions in Ionic Liquids. <i>Analytical Chemistry</i> , 2021, 93, 13284-13292.	3.2	12
21	Fast and non-destructive determination of water content in ionic liquids at varying temperatures by Raman spectroscopy and multivariate regression analysis. <i>Analytica Chimica Acta</i> , 2021, 1188, 339164.	2.6	5
22	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
23	Vacuum-assisted sorbent extraction: An analytical methodology for the determination of ultraviolet filters in environmental samples. <i>Talanta</i> , 2020, 208, 120390.	2.9	18
24	Selective hybridization and capture of KRAS DNA from plasma and blood using ion-tagged oligonucleotide probes coupled to magnetic ionic liquids. <i>Analytica Chimica Acta</i> , 2020, 1094, 1-10.	2.6	13
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	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
27	Elucidating the Role of Hydrogen Bond Donor and Acceptor on Solvation in Deep Eutectic Solvents Formed by Ammonium/Phosphonium Salts and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18286-18296.	3.2	14
28	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
29	Characterizing Olefin Selectivity and Stability of Silver Salts in Ionic Liquids Using Inverse Gas Chromatography. <i>ACS Omega</i> , 2020, 5, 31362-31369.	1.6	15
30	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
31	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
32	Magnetic Ionic Liquids as Solvents for RNA Extraction and Preservation. <i>ACS Omega</i> , 2020, 5, 11151-11159.	1.6	20
33	Modification of polyacrylate sorbent coatings with carbodiimide crosslinker chemistry for sequence-selective DNA extraction using solid-phase microextraction. <i>Analytical Methods</i> , 2020, 12, 3200-3204.	1.3	4
34	Sorbent coatings for solid-phase microextraction targeted towards the analysis of death-related polar analytes coupled to comprehensive two-dimensional gas chromatography: Comparison of zwitterionic polymeric ionic liquids versus commercial coatings. <i>Microchemical Journal</i> , 2020, 158, 105243.	2.3	9
35	Can the selectivity of phosphonium based ionic liquids be exploited as stationary phase for routine gas chromatography? A case study: The use of trihexyl(tetradecyl) phosphonium chloride in the flavor, fragrance and natural product fields. <i>Journal of Chromatography A</i> , 2020, 1619, 460969.	1.8	13
36	Magnetic ionic liquids: interactions with bacterial cells, behavior in aqueous suspension, and broader applications. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1741-1755.	1.9	6

#	ARTICLE	IF	CITATIONS
37	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
38	Fluorescence quenching of the SYBR Green I-dsDNA complex by in situ generated magnetic ionic liquids. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2743-2754.	1.9	5
39	Unique Orientation of the Solid-Solid Interface at the Janus Particle Boundary Induced by Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9834-9841.	2.1	5
40	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
41	<i>Arabidopsis thaliana</i> ITS sequence-specific DNA extraction by ion-tagged oligonucleotides coupled with a magnetic ionic liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6583-6590.	1.9	10
42	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
43	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
44	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
45	Examining the unique retention behavior of volatile carboxylic acids in gas chromatography using zwitterionic liquid stationary phases. <i>Journal of Chromatography A</i> , 2019, 1603, 288-296.	1.8	7
46	Investigating the effect of ligand and cation on the properties of metal fluorinated acetylacetonate based magnetic ionic liquids. <i>New Journal of Chemistry</i> , 2019, 43, 11334-11341.	1.4	15
47	Diffusional Dynamics of Tetraalkylphosphonium Ionic Liquid Films Measured by Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4943-4949.	1.2	6
48	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
49	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
50	Maximizing Ion-Tagged Oligonucleotide Loading on Magnetic Ionic Liquid Supports for the Sequence-Specific Extraction of Nucleic Acids. <i>Analytical Chemistry</i> , 2019, 91, 5945-5952.	3.2	17
51	Tunable Silver-Containing Stationary Phases for Multidimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2019, 91, 4969-4974.	3.2	14
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Analysis of Echinacea flower volatile constituents by HS-SPME-GC/MS using laboratory-prepared and commercial SPME fibers. <i>Journal of Essential Oil Research</i> , 2019, 31, 91-98.	1.3	15
58	Advances of Ionic Liquids in Analytical Chemistry. <i>Analytical Chemistry</i> , 2019, 91, 505-531.	3.2	180
59	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
60	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
61	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
62	Advances in the analysis of biological samples using ionic liquids. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4567-4573.	1.9	33
63	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
64	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
65	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
66	Evaluating the solvation properties of metal-containing ionic liquids using the solvation parameter model. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4597-4606.	1.9	16
67	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
68	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
69	Ionic liquids: solvents and sorbents in sample preparation. <i>Journal of Separation Science</i> , 2018, 41, 209-235.	1.3	126
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Ionic liquid stationary phases for multidimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 367-379.	5.8	51
74	Ionic liquids as tunable materials in (bio)analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4565-4566.	1.9	21
75	Rapid analysis of ultraviolet filters using dispersive liquid-liquid microextraction coupled to headspace gas chromatography and mass spectrometry. <i>Journal of Separation Science</i> , 2018, 41, 3081-3088.	1.3	17
76	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
77	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
78	Exploiting Fluorescence Spectroscopy To Identify Magnetic Ionic Liquids Suitable for the Isolation of Oligonucleotides. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7747-7756.	1.2	7
79	Coupling oligonucleotides possessing a poly-cytosine tag with magnetic ionic liquids for sequence-specific DNA analysis. <i>Chemical Communications</i> , 2018, 54, 10284-10287.	2.2	13
80	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
81	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
82	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
83	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
84	Non-conventional solvents in liquid phase microextraction and aqueous biphasic systems. <i>Journal of Chromatography A</i> , 2017, 1500, 1-23.	1.8	114
85	Magnetic ionic liquids as extraction solvents in vacuum headspace single-drop microextraction. <i>Talanta</i> , 2017, 172, 86-94.	2.9	64
86	Ion-Tagged Oligonucleotides Coupled with a Magnetic Liquid Support for the Sequence-Specific Capture of DNA. <i>Angewandte Chemie</i> , 2017, 129, 7738-7741.	1.6	0
87	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
88	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
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	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
94	Selective and Efficient RNA Analysis by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2017, 89, 10661-10666.	3.2	30
95	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
96	Electropolymerized Pyrrole-Based Conductive Polymeric Ionic Liquids and Their Application for Solid-Phase Microextraction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24955-24963.	4.0	48
97	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
98	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
99	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
100	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
101	Preservation of DNA in nuclease-rich samples using magnetic ionic liquids. <i>RSC Advances</i> , 2016, 6, 39846-39851.	1.7	37
102	Determination of compounds with varied volatilities from aqueous samples using a polymeric ionic liquid sorbent coating by direct immersion-headspace solid-phase microextraction. <i>Analytical Methods</i> , 2016, 8, 4108-4118.	1.3	16
103	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
104	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
105	Sample Preparation for Bioanalytical and Pharmaceutical Analysis. <i>Analytical Chemistry</i> , 2016, 88, 11262-11270.	3.2	73
106	Magnetic ionic liquids in analytical chemistry: A review. <i>Analytica Chimica Acta</i> , 2016, 934, 9-21.	2.6	174
107	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
108	Synthesis and characterization of the physicochemical and magnetic properties for perfluoroalkyl ester and Fe(III) carboxylate-based hydrophobic magnetic ionic liquids. <i>RSC Advances</i> , 2016, 6, 11109-11117.	1.7	13

#	ARTICLE	IF	CITATIONS
109	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
110	Conductive polymeric ionic liquids for electroanalysis and solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2016, 910, 45-52.	2.6	41
111	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
112	Determination of the solubilising character of 2-methoxyethyl-(dimethyl)ethylammonium tris(pentafluoroethyl)trifluorophosphate based on the Abraham solvation parameter model. <i>Physics and Chemistry of Liquids</i> , 2016, 54, 110-126.	0.4	17
113	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
114	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
115	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
116	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
117	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
118	Analysis of bacterial plasmid DNA by solid-phase microextraction. <i>Analytical Methods</i> , 2015, 7, 7202-7207.	1.3	15
119	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
120	Magnetic ionic liquids as PCR-compatible solvents for DNA extraction from biological samples. <i>Chemical Communications</i> , 2015, 51, 16771-16773.	2.2	70
121	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
122	Application of HS-SPME with Poly(1-Vinyl-3-Hexylimidazolium Chloride) Polymeric Ionic Liquid Coating Using GC-MS to Determine Volatile Fatty Acids in Dairy Wastewater. <i>Chromatographia</i> , 2014, 77, 151-158.	0.7	3
123	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
124	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
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	Ionic Liquids in Analytical Chemistry: Fundamentals, Advances, and Perspectives. <i>Analytical Chemistry</i> , 2014, 86, 262-285.	3.2	422
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ionic Liquid-Based Surfactants in Separation Science. <i>Separation Science and Technology</i> , 2012, 47, 264-276.	1.3	92
138	Recent advances of ionic liquids in separation science and mass spectrometry. <i>RSC Advances</i> , 2012, 2, 5470.	1.7	168
139	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
140	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
141	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
142	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
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	Ionic liquids in solid-phase microextraction: A review. <i>Analytica Chimica Acta</i> , 2011, 695, 18-43.	2.6	258
147	Headspace Single Drop Microextraction Using Micellar Ionic Liquid Extraction Solvents. <i>Chromatographia</i> , 2010, 72, 393-402.	0.7	31
148	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
149	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
150	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
151	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
152	Polymeric Ionic Liquids as CO ₂ Selective Sorbent Coatings for Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2010, 82, 707-713.	3.2	94
153	Characterisation of room temperature ionic liquid chromatographic stationary phases by combining experimental retention factor and partition coefficient data into a single model. <i>Physics and Chemistry of Liquids</i> , 2009, 47, 74-83.	0.4	10
154	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
155	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
156	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
157	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
158	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
159	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
160	Theory and Use of the Pseudophase Model in Gas-Liquid Chromatographic Enantiomeric Separations. <i>Analytical Chemistry</i> , 2006, 78, 113-119.	3.2	27
161	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
162	Ionic Liquids in Analytical Chemistry. <i>Analytical Chemistry</i> , 2006, 78, 2892-2902.	3.2	433

#	ARTICLE	IF	CITATIONS
163	Ionic liquid-alkane association in dilute solutions. <i>Theoretical Chemistry Accounts</i> , 2006, 117, 127-135.	0.5	35
164	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
165	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
166	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
167	Surfactant solvation effects and micelle formation in ionic liquids. <i>Chemical Communications</i> , 2003, , 2444.	2.2	338
168	High-Stability Ionic Liquids. A New Class of Stationary Phases for Gas Chromatography. <i>Analytical Chemistry</i> , 2003, 75, 4851-4858.	3.2	455
169	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
170	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
171	Evaluating Commercial Thermoplastic Materials in Fused Deposition Modeling 3D Printing for their Compatibility with DNA Storage and Analysis by Quantitative Polymerase Chain Reaction. <i>Analytical Methods</i> , 0, , .	1.3	1