

# Shahab A Shamsi

## List of Publications by Year in descending order

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docs citations

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times ranked

2121  
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#	ARTICLE	IF	CITATIONS
1	Utility of ionic liquids in analytical separations. <i>Journal of Separation Science</i> , 2007, 30, 1729-1750.	2.5	173
2	Synthesis, Characterization, and Application of Chiral Ionic Liquids and Their Polymers in Micellar Electrokinetic Chromatography. <i>Analytical Chemistry</i> , 2006, 78, 7061-7069.	6.5	148
3	Monoclonal Behavior of Molecularly Imprinted Polymer Nanoparticles in Capillary Electrochromatography. <i>Analytical Chemistry</i> , 2008, 80, 2881-2887.	6.5	112
4	Polymeric Anionic Surfactant for Electrokinetic Chromatography: Separation of 16 Priority Polycyclic Aromatic Hydrocarbon Pollutants. <i>Analytical Chemistry</i> , 1998, 70, 3078-3083.	6.5	101
5	Naphthalenesulfonates as Electrolytes for Capillary Electrophoresis of Inorganic Anions, Organic Acids, and Surfactants with Indirect Photometric Detection. <i>Analytical Chemistry</i> , 1994, 66, 3757-3764.	6.5	95
6	Micellar Electrokinetic Chromatography-Mass Spectrometry Using a Polymerized Chiral Surfactant. <i>Analytical Chemistry</i> , 2001, 73, 5103-5108.	6.5	92
7	Ginger Phytochemicals Exhibit Synergy to Inhibit Prostate Cancer Cell Proliferation. <i>Nutrition and Cancer</i> , 2013, 65, 263-272.	2.0	92
8	Simultaneous Enantioseparation and Tandem UV-MS Detection of Eight $\beta$ -Blockers in Micellar Electrokinetic Chromatography Using a Chiral Molecular Micelle. <i>Analytical Chemistry</i> , 2005, 77, 1672-1683.	6.5	83
9	Monomeric and polymeric chiral surfactants as pseudo-stationary phases for chiral separations. <i>Electrophoresis</i> , 1997, 18, 853-872.	2.4	79
10	A Persubstituted Cationic $\beta$ -Cyclodextrin for Chiral Separations. <i>Analytical Chemistry</i> , 1997, 69, 4773-4782.	6.5	78
11	Capillary electrophoresis-mass spectrometry: Recent advances to the analysis of small achiral and chiral solutes. <i>Electrophoresis</i> , 2004, 25, 3927-3961.	2.4	78
12	Chiral capillary electrophoresis-mass spectrometry: Modes and applications. <i>Electrophoresis</i> , 2002, 23, 4036-4051.	2.4	77
13	Chiral Separations Using Dipeptide Polymerized Surfactants: Effect of Amino Acid Order. <i>Analytical Chemistry</i> , 1998, 70, 1375-1381.	6.5	76
14	Improved Chiral Separations Using a Polymerized Dipeptide Anionic Chiral Surfactant in Electrokinetic Chromatography: Separations of Basic, Acidic, and Neutral Racemates. <i>Analytical Chemistry</i> , 1997, 69, 2980-2987.	6.5	72
15	Separation and determination of warfarin enantiomers in human plasma using a novel polymeric surfactant for micellar electrokinetic chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1159, 208-216.	3.7	70
16	Polyphenol-rich sweet potato greens extract inhibits proliferation and induces apoptosis in prostate cancer cells in vitro and in vivo. <i>Carcinogenesis</i> , 2011, 32, 1872-1880.	2.8	68
17	Ribonucleotide Electrolytes for Capillary Electrophoresis of Polyphosphates and Polyphosphonates with Indirect Photometric Detection. <i>Analytical Chemistry</i> , 1995, 67, 1845-1852.	6.5	67
18	Studies of Polymerized Sodium N-Undecylenyl-L-valinate in Chiral Micellar Electrokinetic Capillary Chromatography of Neutral, Acidic, and Basic Compounds. <i>Analytical Chemistry</i> , 1997, 69, 958-964.	6.5	65

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19	Cationic $\beta$ -cyclodextrin derivative for chiral separations. <i>Journal of Chromatography A</i> , 1998, 803, 261-271.	3.7	65
20	Combined use of chiral ionic liquid and cyclodextrin for MEKC: Part I. Simultaneous enantioseparation of anionic profens. <i>Electrophoresis</i> , 2009, 30, 2812-2819.	2.4	64
21	Polysodium N-Undecanoyl-L-leucylvalinate: A Versatile Chiral Selector for Micellar Electrokinetic Chromatography. <i>Analytical Chemistry</i> , 2003, 75, 379-387.	6.5	63
22	Polymeric Sulfated Amino Acid Surfactants: A Class of Versatile Chiral Selectors for Micellar Electrokinetic Chromatography (MEKC) and MEKC-MS. <i>Analytical Chemistry</i> , 2007, 79, 879-898.	6.5	62
23	Individual and Simultaneous Class Separations of Cationic and Anionic Surfactants Using Capillary Electrophoresis with Indirect Photometric Detection. <i>Analytical Chemistry</i> , 1995, 67, 4210-4216.	6.5	60
24	Combination of Chiral Capillary Electrochromatography with Electrospray Ionization Mass Spectrometry: Method Development and Assay of Warfarin Enantiomers in Human Plasma. <i>Analytical Chemistry</i> , 2003, 75, 6295-6305.	6.5	58
25	Simultaneous chiral separation and determination of ephedrine alkaloids by MEKC-ESI-MS using polymeric surfactant I: Method development. <i>Electrophoresis</i> , 2007, 28, 1352-1363.	2.4	54
26	Evaluating Chiral Separation Interactions by Use of Diastereomeric Polymeric Dipeptide Surfactants. <i>Analytical Chemistry</i> , 1999, 71, 4044-4049.	6.5	51
27	Development of capillary zone electrophoresis-electrospray ionization-mass spectrometry for the determination of lamotrigine in human plasma. <i>Electrophoresis</i> , 2004, 25, 2033-2043.	2.4	51
28	Development of a chiral micellar electrokinetic chromatography-tandem mass spectrometry assay for simultaneous analysis of warfarin and hydroxywarfarin metabolites: Application to the analysis of patients serum samples. <i>Journal of Chromatography A</i> , 2013, 1271, 207-216.	3.7	51
29	Evaluation of a methacrylate-bonded cyclodextrins as a monolithic chiral stationary phase for capillary electrochromatography (CEC)-UV and CEC coupled to mass spectrometry. <i>Electrophoresis</i> , 2011, 32, 2727-2737.	2.4	49
30	Polymeric alkenoxy amino acid surfactants: I. Highly selective class of molecular micelles for chiral separation of $\beta$ -blockers. <i>Electrophoresis</i> , 2003, 24, 2514-2526.	2.4	48
31	On-line capillary electrophoresis-electrospray ionization mass spectrometry using a polymerized anionic surfactant. <i>Electrophoresis</i> , 1998, 19, 2193-2199.	2.4	47
32	Fabrication of Internally Tapered Capillaries for Capillary Electrochromatography Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 1323-1330.	6.5	47
33	Amino Acid Order in Polymeric Dipeptide Surfactants: Effect on Physical Properties and Enantioselectivity. <i>Analytical Chemistry</i> , 1999, 71, 1252-1256.	6.5	46
34	Characterization and Thermodynamic Studies of the Interactions of Two Chiral Polymeric Surfactants with Model Substances: Phenylthiohydantoin Amino Acids. <i>Analytical Chemistry</i> , 1999, 71, 3992-3999.	6.5	46
35	Simultaneous enantioseparation and sensitive detection of eight $\beta$ -blockers using capillary electrochromatography-electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2006, 27, 2139-2151.	2.4	46
36	Simultaneous chiral separation of ephedrine alkaloids by MEKC-ESI-MS using polymeric surfactant II: Application in dietary supplements. <i>Electrophoresis</i> , 2007, 28, 1426-1434.	2.4	46

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37	Capillary Electrochromatography of Cholesterol and Its Ester Derivatives. <i>Analytical Chemistry</i> , 2000, 72, 2541-2546.	6.5	44
38	Optimized separation of $\beta$ -blockers with multiple chiral centers using capillary electrochromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 304-316.	2.3	43
39	Combined use of chiral ionic liquid and CD for MEKC: Part II. Determination of binding constants. <i>Electrophoresis</i> , 2009, 30, 2820-2828.	2.4	38
40	A novel positively charged achiral co-monomer for $\beta$ -cyclodextrin monolithic stationary phase: Improved chiral separation of acidic compounds using capillary electrochromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1267, 144-155.	3.7	38
41	Chiral separations using polymeric dipeptide surfactants: effect of number of chiral centers and steric factors. <i>Journal of Chromatography A</i> , 1999, 858, 219-227.	3.7	37
42	Application of polymeric surfactants in micellar electrokinetic chromatography-electrospray ionization mass spectrometry of benzodiazepines and benzoxazocine chiral drugs. <i>Electrophoresis</i> , 2006, 27, 1263-1275.	2.4	37
43	Sulfated and sulfonated polysaccharide as chiral stationary phases for capillary electrochromatography and capillary electrochromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 857-872.	3.7	36
44	Amino Acid Bound Surfactants: A New Synthetic Family of Polymeric Monoliths Opening Up Possibilities for Chiral Separations in Capillary Electrochromatography. <i>Analytical Chemistry</i> , 2012, 84, 5236-5242.	6.5	34
45	Capillary Electrochromatography-Mass Spectrometry of Zwitterionic Surfactants. <i>Analytical Chemistry</i> , 2005, 77, 6874-6886.	6.5	31
46	Capillary electrophoresis of cationic surfactants with tetrazolium violet and of anionic surfactants with adenosine monophosphate and indirect photometric detection. <i>Journal of Chromatography A</i> , 1996, 739, 405-412.	3.7	30
47	Polymeric alkenoxy amino acid surfactants: II. Chiral separations of $\beta$ -blockers with multiple stereogenic centers. <i>Electrophoresis</i> , 2004, 25, 853-860.	2.4	30
48	Chiral separations in microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2004, 1043, 291-302.	3.7	30
49	Development of an enantioselective assay for simultaneous separation of venlafaxine and O-desmethylvenlafaxine by micellar electrokinetic chromatography-tandem mass spectrometry: Application to the analysis of drug-drug interaction. <i>Journal of Chromatography A</i> , 2015, 1420, 119-128.	3.7	30
50	Chiral separation with dipeptide-terminated polymeric surfactants: The effect of an extra heteroatom on the polar head group. <i>Electrophoresis</i> , 2000, 21, 1597-1605.	2.4	29
51	Electrokinetic chromatography of twelve monomethylbenz[a]anthracene isomers using a polymerized anionic surfactant. <i>Electrophoresis</i> , 1999, 20, 145-151.	2.4	28
52	Multivariate approach for the enantioselective analysis in micellar electrokinetic chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 845-856.	3.7	28
53	Combined use of chiral ionic liquid surfactants and neutral cyclodextrins: Evaluation of ionic liquid head groups for enantioseparation of neutral compounds in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2014, 1360, 296-304.	3.7	28
54	Separation of natural pyrethrum extracts using micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1999, 863, 89-103.	3.7	27

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55	Improved separation and detection of picolinic acid and quinolinic acid by capillary electrophoresis-mass spectrometry: Application to analysis of human cerebrospinal fluid. <i>Journal of Chromatography A</i> , 2013, 1316, 147-153.	3.7	27
56	Capillary Electrochromatography Coupled to Atmospheric Pressure Photoionization Mass Spectrometry for Methylated Benzo[a]pyrene Isomers. <i>Analytical Chemistry</i> , 2006, 78, 6921-6927.	6.5	26
57	Capillary Electrochromatography~Mass Spectrometry of Nonionic Surfactants. <i>Analytical Chemistry</i> , 2007, 79, 9459-9470.	6.5	26
58	Enhanced separation of antidepressant drugs using a polymerized nonionic surfactant as a transient capillary coating. <i>Electrophoresis</i> , 1998, 19, 712-718.	2.4	25
59	Synthesis of polymerized N-Undecylenyl-L-amino acid and N-Undecylenyl-L-peptide derivatives. <i>Tetrahedron Letters</i> , 1999, 40, 577-580.	1.4	25
60	Brush-type chiral stationary phase for enantioseparation of acidic compounds. <i>Journal of Chromatography A</i> , 2003, 1005, 177-187.	3.7	25
61	Polymeric alkenoxy amino acid surfactants: IV.~...Effects of hydrophobic chain length and degree of polymerization of molecular micelles on chiral separation of $\beta$ -blockers. <i>Electrophoresis</i> , 2005, 26, 4172-4186.	2.4	25
62	Chiral separation of anionic and neutral compounds using a hepta-substituted cationic $\beta$ -cyclodextrin as a chiral selector in capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 1314-1319.	2.4	24
63	Development of a fritless packed column for capillary electrochromatography~mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 8691-8700.	3.7	24
64	Chiral separation of polychlorinated biphenyls using a combination of hydroxypropyl- $\beta$ -cyclodextrin and a polymeric chiral surfactant. <i>Electrophoresis</i> , 2002, 23, 1320-1327.	2.4	22
65	Multivariate approach for the enantioselective analysis in MEKC~MS: II. Optimization of 1,1~2~2~2~2-tetrahydroquinoline in positive ion mode. <i>Journal of Separation Science</i> , 2009, 32, 1916-1926.	2.5	22
66	Micellar electrokinetic chromatography of polychlorinated biphenyl congeners using a polymeric surfactant as the pseudostationary phase. <i>Journal of Chromatography A</i> , 2000, 903, 227-236.	3.7	21
67	Capillary electrochromatography of methylated benzo[a]pyrene isomers. <i>Journal of Chromatography A</i> , 2003, 1008, 205-215.	3.7	21
68	Ion chromatography of polyphosphates and polycarboxylates using a naphthalenetrisulfonate eluent with indirect photometric and conductivity detection. <i>Journal of Chromatography A</i> , 1993, 653, 153-160.	3.7	20
69	Polymeric alkenoxy amino acid surfactants: V. Comparison of carboxylate and sulfate head group polymeric surfactants for enantioseparation in MEKC. <i>Electrophoresis</i> , 2007, 28, 1762-1778.	2.4	20
70	A High-Throughput Multivariate Optimization for the Simultaneous Enantioseparation and Detection of Barbiturates in Micellar Electrokinetic Chromatography~Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2010, 48, 572-583.	1.4	19
71	Polar biophenolics in sweet potato greens extract synergize to inhibit prostate cancer cell proliferation and in vivo tumor growth. <i>Carcinogenesis</i> , 2013, 34, 2039-2049.	2.8	19
72	Surfactant-bound monolithic columns for separation of proteins in capillary high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 530-539.	3.7	18

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73	Chiral micellar electrokinetic chromatography-atmospheric pressure photoionization of benzoic acid derivatives using mixed molecular micelles. <i>Electrophoresis</i> , 2011, 32, 1164-1175.	2.4	18
74	Flavin mononucleotide for indirect laser-induced fluorescence detection of anions separated by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 835, 159-168.	3.7	17
75	GR 24 Enantiomers: Synthesis, NMR Spectroscopy, X-ray Crystallography, and Separation by Chiral Electrokinetic Capillary Chromatography. <i>Analytical Chemistry</i> , 2000, 72, 3887-3895.	6.5	17
76	Counterions in Polymeric Amino Acid Based Surfactants: Effect on Physical Properties and Enantioselectivity. <i>Langmuir</i> , 2003, 19, 7173-7181.	3.5	17
77	Phosphated surfactants as pseudostationary phase for micellar electrokinetic chromatography: Separation of polycyclic aromatic hydrocarbons. <i>Electrophoresis</i> , 1997, 18, 253-259.	2.4	16
78	Separation of monomethyl-benz[a]anthracene isomers using cyclodextrin-modified electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2001, 910, 147-155.	3.7	16
79	Capillary electrochromatography-mass spectrometry of cationic surfactants. <i>Electrophoresis</i> , 2006, 27, 4273-4287.	2.4	16
80	Photopolymerized Sol-Gel Monolithic Column for Capillary Electrochromatography (CEC) and CEC Coupled to Atmospheric Pressure Photoionization Mass Spectrometry. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 43-57.	1.0	16
81	High Throughput Analysis of Chiral Compounds Using Capillary Electrochromatography (CEC) and CEC-Mass Spectrometry with Cellulose Based Stationary Phases. <i>Separation Science and Technology</i> , 2013, 48, 2589-2599.	2.5	16
82	Capillary electromigration techniques coupled to mass spectrometry: Applications to food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116240.	11.4	13
83	Capillary electrophoresis of phosphate ester surfactants with adenosine monophosphate and indirect photometric detection. <i>Journal of Chromatography A</i> , 1996, 737, 315-324.	3.7	12
84	Separation of methylated isomers of benzo[a]pyrene using micellar electrokinetic chromatography. <i>Analytica Chimica Acta</i> , 2003, 496, 165-176.	5.4	12
85	Variant CYP2C9 Alleles and Warfarin Concentrations in Patients Receiving Low-Dose Versus Average-Dose Warfarin Therapy. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2008, 14, 29-37.	1.7	12
86	Chiral Capillary Electrophoresis-Mass Spectrometry: Developments and Applications in the Period 2010-2015: A Review. <i>Journal of Chromatographic Science</i> , 2016, 54, 100-110.	1.4	12
87	Capillary electrochromatography of methylated benzo[a]pyrene isomers. <i>Journal of Chromatography A</i> , 2003, 1008, 217-232.	3.7	11
88	CEC-atmospheric pressure ionization MS of pesticides using a surfactant-bound monolithic column. <i>Electrophoresis</i> , 2010, 31, 1162-1174.	2.4	11
89	Synthesis, characterization, and application of polysodium <i>N</i> -alkylenyl- $\beta$ -D-glucopyranoside surfactants for micellar electrokinetic chromatography-tandem mass spectrometry. <i>Electrophoresis</i> , 2016, 37, 913-923.	2.4	11
90	Capillary Zone Electrophoresis of Bile Acids with Indirect Photometric Detection. <i>Analytical Chemistry</i> , 1998, 70, 1412-1418.	6.5	10

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91	Glycine-based polymeric surfactants with varied polar head group: I.â€¦Synthesis, characterization, and application in micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2005, 26, 4127-4137.	2.4	10
92	Capillary electrochromatography-mass spectrometry of kynurenine pathway metabolites. <i>Journal of Chromatography A</i> , 2021, 1651, 462294.	3.7	10
93	Development of a <sc>CZE</sc>â€<sc>ESI</sc>â€<sc>MS</sc> assay with a sulfonated capillary for profiling picolinic acid and quinolinic acid formation in multienzyme system. <i>Electrophoresis</i> , 2013, 34, 1828-1835.	2.4	9
94	Comparison of fluorocarbon and hydrocarbon weak anion exchange columns for the separation of surfactants with indirect detection. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 343-346.	1.4	8
95	OPTIMIZING ENANTIOSEPARATION OF PHENYLTHIOHYDANTOIN AMINO ACIDS WITH POLYMERIZED SODIUM N-UNDECANOYL L-VALINATE IN CHIRAL ELECTROKINETIC CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 1301-1317.	1.0	8
96	Application of Polymeric Surfactants in Chiral Micellar Electrokinetic Chromatography (CMEKC) and CMEKC Coupled to Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2013, 970, 319-348.	0.9	8
97	Establishing repeatability and ruggedness of chiral separations in micellar electrokinetic chromatography mass spectrometry: Combined use of covalently bonded capillary column and molecular micelles. <i>Journal of Chromatography A</i> , 2020, 1617, 460835.	3.7	8
98	Use of a New Diaminobutane Dendrimer in Electrokinetic Capillary Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 611-624.	1.0	7
99	Glycine-based polymeric surfactants with varied polar head group: II.â€¦Chemical selectivity in micellar electrokinetic chromatography using linear solvation energy relationships. <i>Electrophoresis</i> , 2005, 26, 4138-4152.	2.4	7
100	Packedâ€column capillary electrochromatography and capillary electrochromatographyâ€mass spectrometry using a lithocholic acid stationary phase. <i>Electrophoresis</i> , 2008, 29, 2004-2015.	2.4	7
101	Surfactantâ€bound monolithic columns for CEC. <i>Electrophoresis</i> , 2009, 30, 3814-3827.	2.4	7
102	Capillary Electrophoresis Mass Spectrometry: Developments and Applications for Enantioselective Analysis from 2011â€2020. <i>Molecules</i> , 2022, 27, 4126.	3.8	7
103	Comparison of Positively and Negatively Charged Achiral Co-Monomers Added to Cyclodextrin Monolith: Improved Chiral Separations in Capillary Electrochromatography. <i>Journal of Chromatographic Science</i> , 2014, 52, 1109-1120.	1.4	6
104	Carbohydrate-Based Polymeric Surfactants for Chiral Micellar Electrokinetic Chromatography (CMEKC) Coupled to Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 1985, 417-444.	0.9	5
105	Separation of short and mediumâ€chain fatty acids using capillary electrophoresis with indirect photometric detection: Part I: Identification of fatty acids in rat feces. <i>Electrophoresis</i> , 2021, 42, 1914-1923.	2.4	4
106	Development of a capillary zone electrophoresis method for the separation of a furan combinatorial library. <i>Electrophoresis</i> , 2000, 21, 2405-2411.	2.4	2
107	Chiral separation with dipeptide-terminated polymeric surfactants: The effect of an extra heteroatom on the polar head group. <i>Electrophoresis</i> , 2000, 21, 1597-1605.	2.4	2
108	Electrokinetic chromatography of twelve monomethylbenz[a]anthracene isomers using a polymerized anionic surfactant. <i>Electrophoresis</i> , 1999, 20, 145-151.	2.4	1

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109	Chiral Analysis Using Polymeric Surfactants in Micellar Electrokinetic Chromatography (MEKC) and MEKC Coupled to Mass Spectrometry. , 0, , 505-560.		1
110	Chiral Analysis in Capillary Electrochromatography (CEC) and CEC Coupled to Mass Spectrometry. , 0, , 441-504.		0