

Ziad El-Rassi

List of Publications by Year in descending order

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178
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6,410
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41323

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182
docs citations

182
times ranked

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#	ARTICLE	IF	CITATIONS
1	Capillary zone electrophoresis of proteins with hydrophilic fused-silica capillaries. <i>Journal of Chromatography A</i> , 1991, 559, 367-383.	1.8	138
2	Recent developments in capillary electrophoresis and capillary electrochromatography of carbohydrate species. <i>Electrophoresis</i> , 1999, 20, 3134-3144.	1.3	129
3	Electrophoretic and electrochromatographic separation of proteins in capillaries: An update covering 2007-2009. <i>Electrophoresis</i> , 2010, 31, 174-191.	1.3	119
4	Capillary electrochromatography with monolithic stationary phases: 1. Preparation of sulfonated stearyl acrylate monoliths and their electrochromatographic characterization with neutral and charged solutes. <i>Electrophoresis</i> , 2002, 23, 2938-2948.	1.3	114
5	Recent advances in capillary electrophoresis of carbohydrates. <i>Electrophoresis</i> , 1996, 17, 275-301.	1.3	112
6	Metal chelate-interaction chromatography of proteins with iminodiacetic acid-bonded stationary phases on silica support. <i>Journal of Chromatography A</i> , 1986, 359, 241-253.	1.8	107
7	Capillary zone electrophoresis of linear and branched oligosaccharides. <i>Journal of Chromatography A</i> , 1992, 600, 279-287.	1.8	102
8	Silica-based monoliths for capillary electrochromatography: Methods of fabrication and their applications in analytical separations. <i>Electrophoresis</i> , 2003, 24, 3962-3976.	1.3	102
9	Capillary Electrophoresis of Herbicides. 1. Precolumn Derivatization of Chiral and Achiral Phenoxy Acid Herbicides with a Fluorescent Tag for Electrophoretic Separation in the Presence of Cyclodextrins and Micellar Phases. <i>Analytical Chemistry</i> , 1996, 68, 1771-1777.	3.2	100
10	Capillary zone electrophoresis of pyridylamino derivatives of maltooligosaccharides. <i>Journal of Chromatography A</i> , 1990, 514, 57-64.	1.8	93
11	Micellar electrokinetic capillary chromatography with in situ charged micelles. 1. Evaluation of N-D-Gluco-N-methylalkanamide surfactants as anionic borate complexes. <i>Analytical Chemistry</i> , 1994, 66, 1119-1133.	3.2	92
12	On-Line Preconcentration of Triazine Herbicides with Tandem Octadecyl Capillaries - Capillary Zone Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 1179-1192.	0.9	89
13	Micellar electrokinetic capillary chromatography of neutral solutes with micelles of adjustable surface charge density. <i>Journal of Chromatography A</i> , 1992, 608, 31-45.	1.8	89
14	Affinity monolithic capillary columns for glycomics/proteomics: 1. Polymethacrylate monoliths with immobilized lectins for glycoprotein separation by affinity capillary electrochromatography and affinity nano-liquid chromatography in either a single column or columns coupled in series. <i>Electrophoresis</i> , 2006, 27, 1020-1030.	1.3	87
15	Determination of the ionization constants of weak electrolytes by capillary zone electrophoresis. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 30-32.	2.0	86
16	Capillary electrochromatography with monolithic stationary phases. <i>Journal of Chromatography A</i> , 2003, 1013, 35-45.	1.8	85
17	Affinity chromatography with monolithic capillary columns. <i>Journal of Chromatography A</i> , 2005, 1079, 236-245.	1.8	82
18	Capillary zone electrophoresis of biological substances with fused silica capillaries having zero or constant electroosmotic flow. <i>Electrophoresis</i> , 1993, 14, 396-406.	1.3	81

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19	Operating parameters in high-performance displacement chromatography. <i>Journal of Chromatography A</i> , 1983, 255, 273-293.	1.8	79
20	Tandem columns and mixed-bed columns in high-performance liquid chromatography of proteins. <i>Journal of Chromatography A</i> , 1986, 359, 255-264.	1.8	79
21	Recent advances in polymeric monolithic stationary phases for electrochromatography in capillaries and chips. <i>Electrophoresis</i> , 2004, 25, 4110-4119.	1.3	76
22	Capillary zone electrophoresis of ± 1 -acid glycoprotein fragments from trypsin and endoglycosidase digestions. <i>Journal of Chromatography A</i> , 1991, 536, 31-42.	1.8	73
23	Enzymophoresis of nucleic acids by tandem capillary enzyme reactor-capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 596, 251-264.	1.8	72
24	Capillary electrochromatography with novel stationary phases. I. Preparation and characterization of octadecyl-sulfonated silica. <i>Electrophoresis</i> , 1998, 19, 2068-2072.	1.3	72
25	Affinity chromatography with monolithic capillary columns. <i>Journal of Chromatography A</i> , 2004, 1044, 177-186.	1.8	72
26	Liquid-phase-based separation systems for depletion, prefractionation and enrichment of proteins in biological fluids and matrices for in-depth proteomics analysis – An update covering the period 2008–2011. <i>Electrophoresis</i> , 2012, 33, 74-88.	1.3	70
27	Capillary electrochromatography with monolithic stationary phases. 4. Preparation of neutral stearyl - acrylate monoliths and their evaluation in capillary electrochromatography of neutral and charged small species as well as peptides and proteins. <i>Electrophoresis</i> , 2005, 26, 1988-1995.	1.3	69
28	Recent progress in reversed-phase and hydrophobic interaction chromatography of carbohydrate species. <i>Journal of Chromatography A</i> , 1996, 720, 93-118.	1.8	67
29	Silica-bound polyethyleneglycol as stationary phase for separation of proteins by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1985, 319, 396-399.	1.8	65
30	Micellar electrokinetic capillary chromatography with in-situ charged micelles VI. Evaluation of novel chiral micelles consisting of steroidal-glycoside surfactant-borate complexes. <i>Journal of Chromatography A</i> , 1996, 724, 285-296.	1.8	63
31	Capillary electrophoresis of pesticides. <i>Electrophoresis</i> , 1997, 18, 2465-2481.	1.3	63
32	Capillary electrochromatography with polyacrylamide monolithic stationary phases having bonded dodecyl ligands and sulfonic acid groups: Evaluation of column performance with alkyl phenyl ketones and neutral moderately polar pesticides. <i>Electrophoresis</i> , 2001, 22, 2593-2599.	1.3	63
33	Capillary electrochromatography with novel stationary phases: II. Studies of the retention behavior of nucleosides and bases on capillaries packed with octadecyl-sulfonated-silica microparticles. <i>Electrophoresis</i> , 1999, 20, 31-36.	1.3	62
34	Capillary electrochromatography with monolithic silica column: I. Preparation of silica monoliths having surface-bound octadecyl moieties and their chromatographic characterization and applications to the separation of neutral and charged species. <i>Electrophoresis</i> , 2003, 24, 408-420.	1.3	62
35	Capillary electrochromatography with monolithic silica columns. <i>Journal of Chromatography A</i> , 2004, 1029, 239-247.	1.8	62
36	Reversed-phase liquid chromatography with microspherical octadecyl-zirconia bonded stationary phases. <i>Journal of Chromatography A</i> , 1993, 631, 91-106.	1.8	61

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37	Capillary zone electrophoresis of derivatized acidic monosaccharides. <i>Electrophoresis</i> , 1994, 15, 627-634.	1.3	61
38	Micellar Electrokinetic Capillary Chromatography with Cationic Surfactants. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993, 16, 2161-2187.	0.9	59
39	Two-Dimensional Microcolumn Separation Platform for Proteomics Consisting of On-Line Coupled Capillary Isoelectric Focusing and Capillary Electrochromatography. 1. Evaluation of the Capillary-Based Two-Dimensional Platform with Proteins, Peptides, and Human Serum. <i>Journal of Proteome Research</i> , 2006, 5, 2001-2008.	1.8	59
40	Capillary electrophoresis and electrochromatography of pesticides and metabolites. <i>Electrophoresis</i> , 1999, 20, 3280-3296.	1.3	58
41	Micellar electrokinetic capillary chromatography with in situ charged micelles. <i>Journal of Chromatography A</i> , 1994, 685, 131-143.	1.8	55
42	Capillary electrochromatography of derivatized mono- and oligosaccharides. <i>Electrophoresis</i> , 1998, 19, 2061-2067.	1.3	55
43	Capillary electrophoresis of carboxylated carbohydrates I. Selective precolumn derivatization of gangliosides with UV absorbing and fluorescent tags. <i>Journal of Chromatography A</i> , 1995, 695, 83-95.	1.8	54
44	Capillary electrochromatography with monolithic stationary phases. <i>Journal of Chromatography A</i> , 2003, 1013, 47-56.	1.8	54
45	Capillary electrophoresis of herbicides II. Evaluation of alkylglucoside chiral surfactants in the enantiomeric separation of phenoxy acid herbicides. <i>Journal of Chromatography A</i> , 1997, 757, 263-273.	1.8	52
46	Capillary Zone Electrophoresis of two Cationic Herbicides, Paraquat and Diquat. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 1193-1200.	0.9	51
47	Recent developments in capillary electrophoresis of carbohydrate species. <i>Electrophoresis</i> , 1997, 18, 2400-2407.	1.3	51
48	Capillary Electrochromatography with Novel Stationary Phases. 3. Retention Behavior of Small and Large Nucleic Acids on Octadecyl-Sulfonated-Silica. <i>Analytical Chemistry</i> , 1999, 71, 3277-3282.	3.2	51
49	Capillary zone electrophoresis of biological substances with surface-modified fused silica capillaries with switchable electroosmotic flow. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 573-578.	2.0	50
50	Capillary Electrophoresis of Carboxylated Carbohydrates. <i>Analytical Biochemistry</i> , 1997, 244, 283-290.	1.1	49
51	Hydrophobic Interaction Chromatography of t-RNA's and Proteins. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1986, 9, 3245-3268.	0.9	48
52	Neutral octadecyl monolith for reversed phase capillary electrochromatography of a wide range of solutes. <i>Journal of Separation Science</i> , 2008, 31, 2677-2685.	1.3	46
53	Chiral glycosidic surfactants for enantiomeric separation in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 875, 207-233.	1.8	45
54	Liquid-phase-based separation systems for depletion, prefractionation and enrichment of proteins in biological fluids for in-depth proteomics analysis. <i>Electrophoresis</i> , 2009, 30, 249-261.	1.3	45

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55	Micellar electrokinetic capillary chromatography within situ charged micelles: II. Evaluation and comparison of octylmaltoside and octylsucrose surfactants as anionic borate complexes in the separation of herbicides. <i>Journal of Separation Science</i> , 1994, 6, 127-138.	1.0	43
56	Capillary electrochromatography with segmented capillaries for controlling electroosmotic flow. <i>Electrophoresis</i> , 1999, 20, 18-23.	1.3	43
57	Neutral polar methacrylate-based monoliths for normal phase nano- μ LC and CEC of polar species including <i>N-glycans</i> . <i>Journal of Separation Science</i> , 2009, 32, 10-20.	1.3	43
58	Selective On-Line Preconcentration of Proteins by Tandem Metal Chelate Capillaries-Capillary Zone Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993, 16, 2007-2024.	0.9	42
59	On-Column Trace Enrichment by Sequential Frontal and Elution Electrochromatography. 1. Application to Carbamate Insecticides. <i>Analytical Chemistry</i> , 2001, 73, 3365-3372.	3.2	41
60	Tandem Affinity Monolithic Microcolumns with Immobilized Protein A, Protein G, and Antibodies for Depletion of High Abundance Proteins from Serum Samples: An Integrated Microcolumn-Based Fluidic System for Simultaneous Depletion and Tryptic Digestion. <i>Journal of Proteome Research</i> , 2007, 6, 947-954.	1.8	41
61	Recent advances in nonpolar and polar organic monoliths for HPLC and CEC. <i>Electrophoresis</i> , 2015, 36, 76-100.	1.3	41
62	Capillary electrochromatography with monolithic-silica columns. II. Preparation of amphiphilic silica monoliths having surface-bound cationic octadecyl moieties and their chromatographic characterization and application to the separation of proteins and other neutral and charged species. <i>Analyst</i> , 2003, 128, 1249.	1.7	40
63	Facile preparation of octadecyl monoliths with incorporated carbon nanotubes and neutral monoliths with coated carbon nanotubes stationary phases for HPLC of small and large molecules by hydrophobic and π - π interactions. <i>Talanta</i> , 2014, 129, 565-574.	2.9	39
64	Monolithic stationary phases with incorporated fumed silica nanoparticles. Part II. Polymethacrylate-based monolithic column with covalently incorporated modified octadecyl fumed silica nanoparticles for reversed-phase chromatography. <i>Journal of Chromatography A</i> , 2016, 1445, 62-67.	1.8	38
65	Micellar electrokinetic capillary chromatography within situ charged micelles: 3. Evaluation of alkylglucoside surfactants as anionic butylboronate complexes. <i>Electrophoresis</i> , 1994, 15, 1248-1259.	1.3	37
66	Organic monoliths for hydrophilic interaction electrochromatography/chromatography and immunoaffinity chromatography. <i>Electrophoresis</i> , 2012, 33, 251-261.	1.3	37
67	High-performance reversed-phase chromatographic mapping of 2-pyridylamino derivatives of xyloglucan oligosaccharides. <i>Carbohydrate Research</i> , 1991, 215, 25-38.	1.1	36
68	Capillary electrophoresis of herbicides. III. Evaluation of octylmaltopyranoside chiral surfactant in the enantiomeric separation of phenoxy acid herbicides. , 1996, 8, 518-524.		35
69	Tandem use of carboxypeptidase y reactor and displacement chromatograph for peptide synthesis. <i>Journal of Chromatography A</i> , 1987, 394, 305-314.	1.8	34
70	Enantiomeric separation by capillary electrochromatography II. Chiral separation of dansyl amino acids and phenoxy acid herbicides on sulfonated silica having surface-bound hydroxypropyl- β -cyclodextrin. <i>Electrophoresis</i> , 2000, 21, 3135-3140.	1.3	34
71	Monolithic stationary phases with incorporated fumed silica nanoparticles. Part I. Polymethacrylate-based monolithic column with incorporated bare fumed silica nanoparticles for hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1445, 55-61.	1.8	34
72	High-performance displacement chromatography of nucleic acid fragments in a tandem enzyme reactor-liquid chromatograph system. <i>Journal of Chromatography A</i> , 1983, 266, 319-340.	1.8	33

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73	Electrically driven microseparation methods for pesticides and metabolites. II: On-line and off-line preconcentration of urea herbicides in capillary electrochromatography. <i>Electrophoresis</i> , 1999, 20, 2337-2342.	1.3	32
74	Capillary electrophoresis of carboxylated carbohydrates. Part 2. Selective precolumn derivatization of sialooligosaccharides derived from gangliosides with 7-aminonaphthalene-1,3-disulfonic acid fluorescing tag. <i>Electrophoresis</i> , 1995, 16, 1499-1504.	1.3	31
75	Fused-silica capillaries with surface-bound dextran layer crosslinked with diepoxypolyethylene glycol for capillary electrophoresis of biological substances at reduced electroosmotic flow. <i>Electrophoresis</i> , 1995, 16, 617-624.	1.3	31
76	Chapter 8 High Performance Capillary Electrophoresis of Carbohydrates and Glycoconjugates. <i>Journal of Chromatography Library</i> , 1995, 58, 267-360.	0.1	31
77	Capillary electrophoresis and electrochromatography of pesticides and metabolites. <i>Electrophoresis</i> , 2001, 22, 4281-4293.	1.3	31
78	Liquid phase based separation systems for depletion, prefractionation, and enrichment of proteins in biological fluids and matrices for in-depth proteomics analysis—An update covering the period 2011–2014. <i>Electrophoresis</i> , 2015, 36, 238-252.	1.3	31
79	Electrically driven microseparation methods for pesticides and metabolites: III. Capillary electrochromatography with novel silica-based stationary phases having a surface-bound surfactant moiety. <i>Electrophoresis</i> , 2000, 21, 1977-1984.	1.3	30
80	Capillary electrophoresis of carboxylated carbohydrates. <i>Journal of Chromatography A</i> , 1997, 792, 75-82.	1.8	29
81	Capillary electrochromatography with novel stationary phases. <i>Journal of Chromatography A</i> , 2000, 887, 287-297.	1.8	29
82	Tandem lectin affinity chromatography monolithic columns with surface immobilised concanavalin A, wheat germ agglutinin and Ricinus communis agglutinin for capturing subglycoproteomics from breast cancer and disease-free human sera. <i>Journal of Separation Science</i> , 2012, 35, 1785-1795.	1.3	29
83	Polar and nonpolar organic polymer-based monolithic columns for capillary electrochromatography and high-performance liquid chromatography. <i>Electrophoresis</i> , 2017, 38, 60-79.	1.3	29
84	Determination of Cellular Carbohydrates in Peanut Fungal Pathogens and Baker's Yeast by Capillary Electrophoresis and Electrochromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 5265-5269.	2.4	27
85	MWCNT based monolith for the analysis of antibiotics and pesticides in milk and honey by integrated nano-liquid chromatography-high resolution orbitrap mass spectrometry. <i>Analytical Methods</i> , 2019, 11, 21-28.	1.3	27
86	High-performance liquid chromatography with concanavalin A immobilized by metal interactions on the stationary phase. <i>Analytical Biochemistry</i> , 1988, 169, 172-180.	1.1	26
87	Mixed-bed ion-exchange columns for protein high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1988, 452, 331-345.	1.8	26
88	Binary and ternary salt gradients in hydrophobic-interaction chromatography of proteins. <i>Journal of Chromatography A</i> , 1990, 499, 141-152.	1.8	26
89	Biospecific interaction (affinity) CEC and affinity nano-LC. <i>Electrophoresis</i> , 2007, 28, 89-98.	1.3	26
90	Naphthyl methacrylate-based monolithic column for RP-CEC via hydrophobic and π - π interactions. <i>Electrophoresis</i> , 2010, 31, 991-1002.	1.3	26

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91	Trends in nonpolar polymer-based monolithic columns for reversed-phase capillary electrochromatography. <i>Electrophoresis</i> , 2011, 32, 90-104.	1.3	26
92	Micellar Electrokinetic Capillary Chromatography with In Situ Charged Micelles. VII. Expanding the Utility of Alkylglycoside-Borate Micelles to Acidic and Neutral pH for Capillary Electrophoresis of Dansyl Amino Acids and Herbicides. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 3769-3786.	0.9	25
93	Capillary electrophoresis of herbicides: IV. Evaluation of octylmaltopyranoside chiral surfactant in the enantiomeric separation of fluorescently labeled phenoxy acid herbicides and their laser-induced fluorescence detection. <i>Electrophoresis</i> , 1997, 18, 220-226.	1.3	25
94	A novel, neutral hydroxylated octadecyl acrylate monolith with fast electroosmotic flow velocity and its application to the separation of various solutes including peptides and proteins in the absence of electrostatic interactions. <i>Electrophoresis</i> , 2010, 31, 3192-3199.	1.3	25
95	Studies in capillary zone electrophoresis with a postcolumn multiple capillary device for fraction collection and stepwise increase in electroosmotic flow during analysis. <i>Electrophoresis</i> , 1993, 14, 407-416.	1.3	24
96	Capillary electrophoresis of pesticides: V. analysis of pyrethroid insecticides via their hydrolysis products labeled with a fluorescing and UV absorbing tag for laser-induced fluorescence and UV detection. <i>Electrophoresis</i> , 1997, 18, 1173-1179.	1.3	24
97	Enantiomeric separation by capillary electrochromatography I. Chiral separation of dansyl amino acids and organochlorine pesticides on a diol-silica dynamically coated with hydroxypropyl- β -cyclodextrin. <i>Electrophoresis</i> , 2000, 21, 3126-3134.	1.3	24
98	Monolithic silica capillary columns having immobilized lectins and surface bound polar functionalities for lectin affinity and normal phase nano-LC and CEC of glycoconjugates, respectively. <i>Journal of Separation Science</i> , 2009, 32, 1642-1653.	1.3	24
99	High-performance liquid chromatography of tRNAs on novel stationary phases. <i>Journal of Chromatography A</i> , 1985, 326, 79-90.	1.8	23
100	Coupled fused silica capillaries for rapid capillary zone electrophoresis of proteins. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 289-292.	2.0	23
101	Comparison of alkylglycoside surfactants in enantioseparation by capillary electrophoresis. <i>Electrophoresis</i> , 1997, 18, 912-918.	1.3	23
102	Electrically driven microseparation methods for pesticides and metabolites: V. Micellar electrokinetic capillary chromatography of aniline pesticidal metabolites derivatized with fluorescein isothiocyanate and their detection in real water at low levels by laser-induced fluorescence. <i>Electrophoresis</i> , 2001, 22, 2312-2319.	1.3	23
103	Electrically driven microseparation methods for pesticides and metabolites Part VII: Capillary electrophoresis and electrochromatography of derivatized and underivatized phenol pesticidal metabolites. Preconcentration and laser induced fluorescence detection of dilute samples. <i>Journal of Separation Science</i> , 2002, 25, 1231-1244.	1.3	23
104	Reversed-Phase Liquid Chromatography of Dansyl Amino Acids with Microspherical Octadecyl-Silica and Octadecyl-Zirconia Bonded Stationary Phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993, 16, 2931-2959.	0.9	22
105	On-column trace enrichment by sequential frontal and elution electrochromatography. <i>Journal of Chromatography A</i> , 2002, 945, 267-279.	1.8	22
106	High-performance metal chelate interaction chromatography of proteins with silica-bound ethylenediamine-N,N'-diacetic acid. <i>Journal of Chromatography A</i> , 1990, 512, 237-247.	1.8	21
107	Preparation of amino-zirconia bonded phases and their evaluation in hydrophilic interaction chromatography of carbohydrates with pulsed amperometric detection. <i>Journal of High Resolution Chromatography</i> , 1994, 17, 773-778.	2.0	21
108	Electrically driven microseparation methods for pesticides and metabolites: VI. Surfactant-mediated electrokinetic capillary chromatography of aniline pesticidal metabolites derivatized with 9-fluoroenylmethyl chloroformate and their detection by laser-induced fluorescence. <i>Electrophoresis</i> , 2001, 22, 2320-2326.	1.3	21

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109	Organic polymer-based monolithic stationary phases with incorporated nanostructured materials for HPLC and CEC. <i>Electrophoresis</i> , 2018, 39, 53-66.	1.3	21
110	Capillary enzymophoresis of nucleic acid fragments using coupled capillary electrophoresis and capillary enzyme microreactors having surface-immobilized RNA-modifying enzymes. <i>Electrophoresis</i> , 1995, 16, 2164-2171.	1.3	20
111	Multicolumn Separation Platform for Simultaneous Depletion and Prefractionation Prior to 2-DE for Facilitating In-Depth Serum Proteomics Profiling. <i>Journal of Proteome Research</i> , 2009, 8, 4592-4603.	1.8	20
112	Naphthyl methacrylate-phenylene diacrylate-based monolithic column for reversed-phase capillary electrochromatography via hydrophobic and π - π interactions. <i>Electrophoresis</i> , 2010, 31, 3200-3206.	1.3	20
113	Hydrophilic diol monolith for the preparation of immuno-sorbents at reduced nonspecific interactions. <i>Journal of Separation Science</i> , 2011, 34, 2097-2105.	1.3	20
114	Neutral, charged and stratified polar monoliths for hydrophilic interaction capillary electrochromatography. <i>Journal of Chromatography A</i> , 2013, 1317, 77-84.	1.8	20
115	Poly(glyceryl monomethacrylate-co-ethylene glycol dimethacrylate) monolithic columns with incorporated bare and surface modified gluconamide fumed silica nanoparticles for hydrophilic interaction capillary electrochromatography. <i>Talanta</i> , 2018, 179, 632-640.	2.9	20
116	Combined lectin-affinity and metal-interaction chromatography for the separation of glycoproteins by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1988, 458, 1-11.	1.8	19
117	Robust naphthyl methacrylate monolithic column for high performance liquid chromatography of a wide range of solutes. <i>Journal of Chromatography A</i> , 2015, 1409, 166-172.	1.8	19
118	High-Performance Liquid-Phase Separation of Glycosides. III. Determination of Total Glucosinolates in Cabbage and Rapeseed by Capillary Electrophoresis via the Enzymatically Released Glucose. <i>Analytical Biochemistry</i> , 1999, 267, 92-99.	1.1	18
119	Capillary electrophoresis of glucosinolates and their degradation products. <i>Electrophoresis</i> , 1999, 20, 3181-3189.	1.3	18
120	Controlling retention, selectivity and magnitude of EOF by segmented monolithic columns consisting of octadecyl and naphthyl monolithic segments – applications to RP-CEC of both neutral and charged solutes. <i>Electrophoresis</i> , 2011, 32, 1033-1043.	1.3	18
121	Postpolymerization modification of a hydroxy monolith precursor. Part III. Activation of poly(hydroxyethyl methacrylate-co-pentaerythritol triacrylate) monolith with epoxy functionalities followed by bonding of glycerol, polyamines, and hydroxypropyl- β -cyclodextrin for hydrophilic interaction and chiral capillary electrochromatography. <i>Electrophoresis</i> , 2016, 37, 3178-3185.	1.3	18
122	Organic polymer-based monolithic capillary columns and their applications in food analysis. <i>Journal of Separation Science</i> , 2019, 42, 962-979.	1.3	18
123	Capillary electrophoresis and fluorescence studies on molecular beacon-based variable length oligonucleotide target discrimination. <i>Electrophoresis</i> , 2003, 24, 70-77.	1.3	17
124	Capillary electrophoresis of some free fatty acids using partially aqueous electrolyte systems and indirect UV detection. Application to the analysis of oleic and linoleic acids in peanut breeding lines. <i>Journal of Separation Science</i> , 2008, 31, 2667-2676.	1.3	17
125	Reduction of protein concentration range difference followed by multicolumn fractionation prior to 2-DE and LC-MS/MS profiling of serum proteins. <i>Electrophoresis</i> , 2011, 32, 674-685.	1.3	17
126	Investigation of neutral monolithic capillary columns with varying n-alkyl chain lengths in capillary electrochromatography. <i>Electrophoresis</i> , 2012, 33, 1431-1442.	1.3	17

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127	Monolithic capillary columns consisting of poly(glycidyl methacrylate-co-ethylene glycol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 carbon nanotubes for reversed-phase capillary electrochromatography. Analyst, The, 2018, 143, 270-279.	1.7	17
128	Chapter 2 Reversed-phase and hydrophobic interaction chromatography of carbohydrates and glycoconjugates. Journal of Chromatography Library, 2002, , 41-102.	0.1	16
129	Fundamental and practical aspects of coupled capillaries for the control of electroosmotic flow in capillary zone electrophoresis of proteins. Journal of Chromatography A, 1993, 632, 157-164.	1.8	15
130	Capillary zone electrophoresis of proteins with fused-silica capillaries having polymers and surfactants adsorbed onto surfactant moieties previously covalently bound to the capillary column surface. Electrophoresis, 1998, 19, 2278-2284.	1.3	15
131	High-Performance Liquid Phase Separation of Glycosides. 5. Determination of Individual Glucosinolates in Cabbage and Rapeseed by Laser-Induced Fluorescence Capillary Electrophoresis via the Enzymatically Released Isothiocyanate Aglycon. Journal of Agricultural and Food Chemistry, 1999, 47, 4267-4274.	2.4	15
132	Capillary electrochromatography with monolithic silica columns. V. Study of the electrochromatographic behaviors of polar compounds on monolithic silica having surface bound cyano functionalities. Journal of Separation Science, 2006, 29, 2023-2030.	1.3	15
133	Liquid-phase based separation systems for depletion, prefractionation, and enrichment of proteins in biological fluids and matrices for in-depth proteomics analysis"An update covering the period 2014-2016. Electrophoresis, 2017, 38, 150-161.	1.3	15
134	Surfactant-mediated capillary electrochromatography with octadecyl-silica- packed capillary columns for the separation of nonpolar compounds. Case of pyrethroid insecticides. Electrophoresis, 2002, 23, 1217-1223.	1.3	14
135	Targeting human serum fucose by an integrated liquid-phase multicolumn platform operating in a cascade to facilitate comparative mass spectrometric analysis of disease-free and breast cancer sera. Proteomics, 2013, 13, 1701-1713.	1.3	14
136	Poly (N-acryloxysuccinimide-co-ethylene glycol dimethacrylate) precursor monolith and its post polymerization modification with alkyl ligands, trypsin and lectins for reversed-phase chromatography, miniaturized enzyme reactors and lectin affinity chromatography, respectively. Electrophoresis, 2017, 38, 2870-2879.	1.3	14
137	High Performance Liquid Phase Separation of Glycosides. I. Reversed Phase Chromatography of Cyanogenic Glycosides with UV and Pulsed Amperometric Detection. Journal of Liquid Chromatography and Related Technologies, 1997, 20, 335-349.	0.5	13
138	Electrically driven microseparation methods for pesticides and metabolites: IV. Effects of the nature of fluorescent labels on the enantioseparation of pesticides and their degradation products by capillary zone electrophoresis with UV and laser-induced fluorescence detection. Electrophoresis, 2000, 21, 2043-2050.	1.3	13
139	Chromatographic properties of zirconia-based stationary phases for ion exchange chromatography having surface bound cationic functions. Journal of High Resolution Chromatography, 1994, 17, 705-712.	2.0	12
140	High-Performance Liquid-Phase Separation of Glycosides Analytical and Micropreparative HPLC Combined with Spectroscopic and Enzymatic Methods for Generating a Glucosinolate Library. Journal of AOAC INTERNATIONAL, 1999, 82, 1115-1127.	0.7	12
141	Mixed ligand monolithic columns for reversed-phase capillary electrochromatography via hydrophobic and π interactions. Electrophoresis, 2011, 32, 1044-1053.	1.3	12
142	Postpolymerization modification of a hydroxy monolith precursor. Part I. Epoxy alkane and octadecyl isocyanate modified poly (hydroxyethyl methacrylate-co-pentaerythritol triacrylate) monolithic capillary columns for reversed-phase capillary electrochromatography. Electrophoresis, 2016, 37, 3160-3171.	1.3	12
143	High Performance Micellar Liquid Chromatography with Silica Micro-Particles Having Surface-Bound Cationic Surfactant Moieties. I. Comparison with Octadecylsilica and Applications to the Separation of Dansyl Amino Acids, Herbicides, and Catecholamines. Journal of Liquid Chromatography and Related Technologies. 1995. 18. 3373-3396.	0.9	11
144	Polar silica-based stationary phases. Part II- Neutral silica stationary phases with surface bound maltose and sorbitol for hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2017, 1508, 24-32.	1.8	11

#	ARTICLE	IF	CITATIONS
145	Reversed-phase capillary electrochromatography of pre-column derivatized mono- and oligosaccharides with three different ultraviolet absorbing tags. <i>Journal of Chromatography A</i> , 2022, 1671, 463025.	1.8	11
146	Chapter 17 Other Direct and Indirect Detection Methods of Carbohydrates in HPLC and HPCE. <i>Journal of Chromatography Library</i> , 1995, , 607-640.	0.1	10
147	Hydrophobic AEROSIL®R972 Fumed Silica Nanoparticles Incorporated Monolithic Nano-Columns for Small Molecule and Protein Separation by Nano-Liquid Chromatography. <i>Molecules</i> , 2022, 27, 2306.	1.7	10
148	Enantioseparations by capillary electrophoresis using chiral glycosidic surfactants. I. Evaluation of cyclohexyl-pentyl-β-D-maltoside surfactant. <i>Electrophoresis</i> , 1999, 20, 2766-2771.	1.3	9
149	Chapter 18 Capillary electrophoresis and electrochromatography of carbohydrates. <i>Journal of Chromatography Library</i> , 2002, , 597-676.	0.1	9
150	Capillary electrochromatography with monolithic silica columns. IV. Electrochromatographic characterization of polar bonded monolithic stationary phases having surface-bound cyano functionalities. <i>Journal of Separation Science</i> , 2006, 29, 2031-2037.	1.3	9
151	CE with multi-walled carbon nanotubes (MWCNTs). Part II. SDS coated functionalized MWCNTs as pseudo-stationary phases in nanoparticle EKC – Retention behaviors of small and large solutes. <i>Talanta</i> , 2019, 192, 545-552.	2.9	9
152	High performance liquid chromatography of glycoconjugates. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1988, 17, 305-319.	0.6	8
153	Electrically Driven Microseparation Methods for Pesticides and Metabolites: I. Micellar Electrokinetic Capillary Chromatography of Carbamate Insecticides with MEGA-Borate and SDS Surfactants. <i>Journal of AOAC INTERNATIONAL</i> , 1999, 82, 1542-1549.	0.7	8
154	Postpolymerization modification of a hydroxy monolith precursor. Part II. Epoxy biphenyl modified poly (hydroxyethyl methacrylate-co-pentaerythritol triacrylate) monolithic capillary columns for reversed-phase capillary electrochromatography based on β-DE. <i>Electrophoresis</i> , 2016, 37, 3172-3177.	1.3	8
155	Polar silica-based stationary phases. Part III- Neutral silica stationary phase with surface bound maltose for affinity chromatography at reduced non-specific interactions. <i>Journal of Chromatography A</i> , 2017, 1508, 33-41.	1.8	8
156	Various Strategies in Post-Polymerization Functionalization of Organic Polymer-Based Monoliths Used in Liquid Phase Separation Techniques. <i>Molecules</i> , 2020, 25, 1323.	1.7	8
157	Graphene oxide–octadecylsilane incorporated monolithic nano-columns with 50 μm id and 100 μm id for small molecule and protein separation by nano-liquid chromatography. <i>Electrophoresis</i> , 2021, 42, 2637-2646.	1.3	8
158	Chapter 2 Reversed-Phase and Hydrophobic Interaction Chromatography of Carbohydrates and Glycoconjugates. <i>Journal of Chromatography Library</i> , 1995, 58, 41-101.	0.1	7
159	High Performance Liquid Chromatography of Small and Large Molecules with Nonporous Silica-Based Stationary Phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997, 20, 183-201.	0.5	7
160	Targeting deeper the human serum fucose by a liquid-phase multicolumn platform in combination with combinatorial peptide ligand libraries. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 951-952, 135-142.	1.2	7
161	Poly(carboxyethyl acrylate–ethylene glycol dimethacrylate) precursor monolith with bonded octadecyl ligands for use in reversed-phase capillary electrochromatography. <i>Electrophoresis</i> , 2021, 42, 2656-2663.	1.3	7
162	Selective precolumn derivatization of fatty acids with the fluorescent tag 6-aminoquinoline and their determination in some food samples by reversed-phase chromatography. <i>Electrophoresis</i> , 2017, 38, 1592-1601.	1.3	6

#	ARTICLE	IF	CITATIONS
163	CE with multi-walled carbon nanotubes (MWCNTs). Part I. Functionalized and SDS coated MWCNTs as pseudo-stationary phases in nanoparticle EKC – Studies on retention energetics. <i>Talanta</i> , 2019, 192, 534-544.	2.9	6
164	ENANTIOSEPARATIONS BY CAPILLARY ELECTROPHORESIS USING CHIRAL GLYCOSIDIC SURFACTANTS. II. COMPARISON OF CHIRAL CYCLOHEXYL-ALKYL- β -D-MALTOSE SURFACTANTS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 35-45.	0.5	5
165	Micro-high performance liquid chromatography platform for the depletion of high abundance proteins and subsequent on-line concentration/capturing of medium and low abundance proteins from serum. Application to profiling of protein expression in healthy and osteoarthritis sera by 2D gel electrophoresis. <i>Electrophoresis</i> , 2008, 29, 2801-2811.	1.3	5
166	Biochromatographic applications of polymethacrylate monolithic columns used in electro- and liquid phase-separations. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 572-582.	0.5	5
167	Precursor carboxy-silica for functionalization with interactive ligands. I. Carbodiimide-assisted preparation of silica-bonded stationary phases with octadecyl, naphthyl, and anthracenyl ligands: Comparison of their selectivity and retentivity. <i>Journal of Separation Science</i> , 2020, 43, 4424-4433.	1.3	5
168	Polymethacrylate-based monolithic column with incorporated carbamide-modified fumed silica nanoparticles for hydrophilic liquid interaction chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021, 44, 255-264.	0.5	5
169	Polar silica-based stationary phases. Part I – Singly and doubly layered sorbents consisting of TRIS-silica and chondroitin sulfate – TRIS-silica for hydrophilic interaction liquid chromatography. <i>Electrophoresis</i> , 2017, 38, 1582-1591.	1.3	4
170	Poly(2-carboxyethyl acrylate-co-ethylene glycol dimethacrylate) precursor monolith. Part I. Carbodiimide assisted post-polymerization modification with octadecyl ligands for use in reversed phase capillary liquid chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 676-683.	0.5	4
171	Poly(2-carboxyethyl acrylate-co-ethylene glycol dimethacrylate) monolithic precursor. Part II. Carbodiimide assisted post-polymerization modification with tris and d-Glucamine for use in hydrophilic interaction capillary liquid chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 684-691.	0.5	4
172	Precursor Carboxy-silica for Functionalization With Interactive Ligands. II. Carbodiimide Assisted Preparation of Silica Bonded Stationary Phases with D-glucamine for Hydrophilic Interaction Liquid Chromatography. <i>Chromatographia</i> , 2021, 84, 781.	0.7	3
173	Organic polymer monolithic columns with incorporated bare and cyano-modified fumed silica nanoparticles for use in hydrophilic interaction liquid chromatography. <i>Journal of Analytical Science and Technology</i> , 2020, 11, .	1.0	3
174	Capturing and identification of differentially expressed fucose by a gel free and label free approach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 989, 112-121.	1.2	2
175	Imidazolium ionic liquid bonded silica stationary phases: Part I: Hexadecylimidazolium stationary phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 827-836.	0.5	2
176	Imidazolium ionic liquid bonded silica stationary phases. Part II. 1-Ethylimidazolium stationary phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 837-843.	0.5	0
177	Capillary electrophoresis and electrochromatography of carbohydrates. , 2021, , 311-390.		0
178	Reversed-phase and hydrophobic interaction chromatography of carbohydrates and glycoconjugates. , 2021, , 35-124.		0