

Stig Pedersen-Bjergaard

List of Publications by Year in descending order

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218
papers

12,813
citations

20815

60
h-index

28296

105
g-index

443
all docs

443
docs citations

443
times ranked

3726
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid~Liquid~Liquid Microextraction for Sample Preparation of Biological Fluids Prior to Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1999, 71, 2650-2656.	6.5	1,139
2	Electrokinetic migration across artificial liquid membranes. <i>Journal of Chromatography A</i> , 2006, 1109, 183-190.	3.7	570
3	Developments in hollow fibre-based, liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 1-10.	11.4	469
4	Liquid-phase microextraction with porous hollow fibers, a miniaturized and highly flexible format for liquid~liquid extraction. <i>Journal of Chromatography A</i> , 2008, 1184, 132-142.	3.7	440
5	Environmental and bioanalytical applications of hollow fiber membrane liquid-phase microextraction: A review. <i>Analytica Chimica Acta</i> , 2008, 624, 253-268.	5.4	368
6	Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 873, 3-11.	3.7	280
7	The ten principles of green sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 148, 116530.	11.4	220
8	Electrokinetic migration of acidic drugs across a supported liquid membrane. <i>Journal of Chromatography A</i> , 2007, 1152, 220-225.	3.7	215
9	Electrokinetic migration across artificial liquid membranes. <i>Journal of Chromatography A</i> , 2006, 1124, 29-34.	3.7	207
10	Simulation of flux during electro-membrane extraction based on the Nernst~Planck equation. <i>Journal of Chromatography A</i> , 2007, 1174, 104-111.	3.7	204
11	Bioanalysis of drugs by liquid-phase microextraction coupled to separation techniques. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 817, 3-12.	2.3	182
12	Electromembrane extraction of peptides. <i>Journal of Chromatography A</i> , 2008, 1194, 143-149.	3.7	174
13	Microextraction across supported liquid membranes forced by pH gradients and electrical fields. <i>Journal of Chromatography A</i> , 2007, 1157, 38-45.	3.7	157
14	Occurrence of selective serotonin reuptake inhibitors in sewage and receiving waters at Spitsbergen and in Norway. <i>Journal of Chromatography A</i> , 2008, 1185, 194-205.	3.7	156
15	Low-voltage electromembrane extraction of basic drugs from biological samples. <i>Journal of Chromatography A</i> , 2008, 1180, 1-9.	3.7	152
16	Liquid-phase microextraction and capillary electrophoresis of citalopram, an antidepressant drug. <i>Journal of Chromatography A</i> , 2001, 909, 87-93.	3.7	149
17	Liquid-phase microextraction and capillary electrophoresis of acidic drugs. <i>Electrophoresis</i> , 2000, 21, 579-585.	2.4	144
18	Recovery, enrichment and selectivity in liquid-phase microextraction. <i>Journal of Chromatography A</i> , 2002, 963, 3-17.	3.7	140

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19	Parameters affecting electro membrane extraction of basic drugs. <i>Journal of Separation Science</i> , 2008, 31, 753-759.	2.5	139
20	The modern role of smartphones in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 548-555.	11.4	137
21	Electromembrane extraction of basic drugs from untreated human plasma and whole blood under physiological pH conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 921-928.	3.7	130
22	Electromembrane extraction: Overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 357-363.	11.4	126
23	On-chip electro membrane extraction. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 881-888.	2.2	121
24	Liquid-liquid extraction procedures for sample enrichment in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 902, 91-105.	3.7	119
25	Electromembrane extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 95, 47-56.	11.4	118
26	Simultaneous extraction of acidic and basic drugs at neutral sample pH: A novel electro-mediated microextraction approach. <i>Journal of Chromatography A</i> , 2010, 1217, 6661-6667.	3.7	117
27	Analytical Microextraction: Current Status and Future Trends. <i>Journal of Chromatographic Science</i> , 2006, 44, 291-307.	1.4	105
28	Liquid-phase microextraction of hydrophilic drugs by carrier-mediated transport. <i>Journal of Chromatography A</i> , 2003, 998, 61-72.	3.7	102
29	Rapid isolation of angiotensin peptides from plasma by electromembrane extraction. <i>Journal of Chromatography A</i> , 2009, 1216, 6900-6905.	3.7	99
30	On-Chip Electro Membrane Extraction with Online Ultraviolet and Mass Spectrometric Detection. <i>Analytical Chemistry</i> , 2011, 83, 44-51.	6.5	93
31	Feasibility of a liquid-phase microextraction sample clean-up and liquid chromatographic/mass spectrometric screening method for selected anabolic steroid glucuronides in biological samples. <i>Journal of Mass Spectrometry</i> , 2003, 38, 16-26.	1.6	88
32	Recent developments in electromembrane extraction. <i>Analytical Methods</i> , 2013, 5, 4549-4557.	2.7	88
33	Selectivity in microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2000, 897, 375-381.	3.7	87
34	Stereospecific determination of citalopram and desmethylcitalopram by capillary electrophoresis and liquid-phase microextraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 33, 263-273.	2.8	87
35	Liquid-phase microextraction based on carrier mediated transport combined with liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2005, 1072, 29-36.	3.7	87
36	Kinetic electro membrane extraction under stagnant conditions-Fast isolation of drugs from untreated human plasma. <i>Journal of Chromatography A</i> , 2010, 1217, 5050-5056.	3.7	87

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37	Hollow fiber-based liquid phase microextraction followed by analytical instrumental techniques for quantitative analysis of heavy metal ions and pharmaceuticals. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 109-122.	5.3	84
38	Kinetic aspects of hollow fiber liquid-phase microextraction and electromembrane extraction. <i>Analytica Chimica Acta</i> , 2012, 742, 10-16.	5.4	83
39	Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices. <i>Journal of Chromatography A</i> , 2002, 963, 303-312.	3.7	82
40	Microemulsion electrokinetic chromatography in suppressed electroosmotic flow environment. <i>Journal of Chromatography A</i> , 2000, 876, 201-211.	3.7	81
41	Emerging Extraction Strategies in Analytical Chemistry. <i>Analytical Chemistry</i> , 2020, 92, 2-15.	6.5	80
42	Microemulsion electrokinetic chromatography – or solvent-modified micellar electrokinetic chromatography?. <i>TrAC - Trends in Analytical Chemistry</i> , 2001, 20, 614-619.	11.4	79
43	Separation of neutral compounds by microemulsion electrokinetic chromatography: Fundamental studies on selectivity. <i>Electrophoresis</i> , 2001, 22, 1330-1336.	2.4	78
44	Drop-to-drop microextraction across a supported liquid membrane by an electrical field under stagnant conditions. <i>Journal of Chromatography A</i> , 2009, 1216, 1496-1502.	3.7	75
45	Electromembrane Extraction from Biological Fluids. <i>Analytical Sciences</i> , 2011, 27, 965-972.	1.6	75
46	Electromembrane extraction – Recent trends and where to go. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 141-147.	5.3	75
47	Electromembrane extraction: a new technique for accelerating bioanalytical sample preparation. <i>Bioanalysis</i> , 2011, 3, 787-797.	1.5	74
48	Development of a flat membrane based device for electromembrane extraction: A new approach for exhaustive extraction of basic drugs from human plasma. <i>Journal of Chromatography A</i> , 2014, 1326, 7-12.	3.7	74
49	On-chip electromembrane extraction for monitoring drug metabolism in real time by electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2012, 137, 3321.	3.5	72
50	Organic solvents in electromembrane extraction: recent insights. <i>Reviews in Analytical Chemistry</i> , 2016, 35, 169-183.	3.2	72
51	Hollow fiber-liquid-phase microextraction of fungicides from orange juices. <i>Journal of Chromatography A</i> , 2010, 1217, 1989-1994.	3.7	71
52	Exhaustive electromembrane extraction of some basic drugs from human plasma followed by liquid chromatography – mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 57, 33-38.	2.8	71
53	Reduction of extraction times in liquid-phase microextraction. <i>Biomedical Applications</i> , 2001, 760, 219-226.	1.7	70
54	Liquid-phase microextraction of protein-bound drugs under non-equilibrium conditions. <i>Analyst, The</i> , 2002, 127, 608-613.	3.5	69

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55	Liquid-phase microextraction of drugs from human breast milk. <i>Analytica Chimica Acta</i> , 2003, 491, 155-161.	5.4	69
56	25,000-fold pre-concentration in a single step with liquid-phase microextraction. <i>Analytica Chimica Acta</i> , 2007, 592, 1-8.	5.4	65
57	Electromembrane extraction for pharmaceutical and biomedical analysis – Quo vadis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 113, 97-107.	2.8	65
58	Electrical potential can drive liquid-liquid extraction for sample preparation in chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 934-941.	11.4	64
59	Electromembrane extraction of stimulating drugs from undiluted whole blood. <i>Journal of Chromatography A</i> , 2012, 1232, 27-36.	3.7	63
60	Electromembrane extraction: Distribution or electrophoresis?. <i>Electrophoresis</i> , 2013, 34, 792-799.	2.4	63
61	Liquid-phase microextraction in a microfluidic-chip – High enrichment and sample clean-up from small sample volumes based on three-phase extraction. <i>Analytica Chimica Acta</i> , 2012, 735, 46-53.	5.4	61
62	Liquid-phase microextraction combined with flow-injection tandem mass spectrometry Rapid screening of amphetamines from biological matrices. <i>Journal of Separation Science</i> , 2001, 24, 615-622.	2.5	60
63	Selective electromembrane extraction at low voltages based on analyte polarity and charge. <i>Journal of Chromatography A</i> , 2012, 1248, 48-54.	3.7	60
64	Parallel artificial liquid membrane extraction: micro-scale liquid-liquid extraction in the 96-well format. <i>Bioanalysis</i> , 2013, 5, 1377-1385.	1.5	60
65	Fundamental studies on selectivity in 3-phase liquid-phase microextraction (LPME) of basic drugs. <i>Journal of Separation Science</i> , 2002, 25, 141-146.	2.5	59
66	Electromembrane extraction and HPLC analysis of haloacetic acids and aromatic acetic acids in wastewater. <i>Talanta</i> , 2011, 86, 109-113.	5.5	58
67	Microextraction approaches for bioanalytical applications: An overview. <i>Journal of Chromatography A</i> , 2020, 1616, 460790.	3.7	58
68	On-column bromine- and chlorine-selected detection for capillary gas chromatography using a radio frequency plasma. <i>Analytical Chemistry</i> , 1993, 65, 1998-2002.	6.5	57
69	Electromembrane extraction using deep eutectic solvents as the liquid membrane. <i>Analytica Chimica Acta</i> , 2021, 1143, 109-116.	5.4	57
70	Potential-driven peptide extractions across supported liquid membranes: Investigation of principal operational parameters. <i>Journal of Separation Science</i> , 2010, 33, 1665-1672.	2.5	55
71	Nano-electromembrane extraction. <i>Analytica Chimica Acta</i> , 2013, 785, 60-66.	5.4	55
72	Comparison of microemulsion electrokinetic chromatography and solvent-modified micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2001, 24, 643-650.	2.5	53

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73	Fast, selective, and sensitive analysis of low-abundance peptides in human plasma by electromembrane extraction. <i>Analytica Chimica Acta</i> , 2012, 716, 16-23.	5.4	52
74	Electromembrane extraction of polar basic drugs from plasma with pure bis(2-ethylhexyl) phosphite as supported liquid membrane. <i>Analytica Chimica Acta</i> , 2016, 934, 80-87.	5.4	52
75	Bioanalysis of pharmaceuticals using liquid-phase microextraction combined with liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113446.	2.8	51
76	Extraction across supported liquid membranes by use of electrical fields. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 521-523.	3.7	48
77	Combination of Electromembrane Extraction and Liquid-Phase Microextraction in a Single Step: Simultaneous Group Separation of Acidic and Basic Drugs. <i>Analytical Chemistry</i> , 2015, 87, 6951-6957.	6.5	48
78	Exhaustive extraction of peptides by electromembrane extraction. <i>Analytica Chimica Acta</i> , 2015, 853, 328-334.	5.4	48
79	Implementation of droplet-membrane-droplet liquid-phase microextraction under stagnant conditions for lab-on-a-chip applications. <i>Analytica Chimica Acta</i> , 2010, 658, 133-140.	5.4	47
80	Electromembrane extraction of peptides – Fundamental studies on the supported liquid membrane. <i>Journal of Separation Science</i> , 2011, 34, 3410-3417.	2.5	47
81	Electromembrane extraction – Three-phase electrophoresis for future preparative applications. <i>Electrophoresis</i> , 2014, 35, 2421-2428.	2.4	46
82	Supported liquid membranes in hollow fiber liquid-phase microextraction (LPME) – Practical considerations in the three-phase mode. <i>Journal of Separation Science</i> , 2007, 30, 1364-1370.	2.5	45
83	Parallel electromembrane extraction in the 96-well format. <i>Analytica Chimica Acta</i> , 2014, 828, 46-52.	5.4	45
84	Electromembrane extraction with alkylated phosphites and phosphates as supported liquid membranes. <i>Journal of Membrane Science</i> , 2017, 526, 18-24.	8.2	45
85	Alginate and Chitosan Foam Combined with Electromembrane Extraction for Dried Blood Spot Analysis. <i>Analytical Chemistry</i> , 2012, 84, 8783-8789.	6.5	44
86	Nanoliter-Scale Electromembrane Extraction and Enrichment in a Microfluidic Chip. <i>Analytical Chemistry</i> , 2018, 90, 9322-9329.	6.5	44
87	Fundamental studies on the electrokinetic transfer of net cationic peptides across supported liquid membranes. <i>Journal of Separation Science</i> , 2011, 34, 186-195.	2.5	43
88	Comprehensive study of buffer systems and local pH effects in electromembrane extraction. <i>Analytica Chimica Acta</i> , 2017, 984, 116-123.	5.4	43
89	Microplasma Mass Spectrometric Detection in Capillary Gas Chromatography. <i>Analytical Chemistry</i> , 1998, 70, 513-518.	6.5	42
90	Stability and efficiency of supported liquid membranes in electromembrane extraction – a link to solvent properties. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2151-2161.	3.7	42

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91	Extraction for analytical scale sample preparation (IUPAC Technical Report). Pure and Applied Chemistry, 2016, 88, 649-687.	1.9	42
92	Liquid-phase microextraction combined with liquid chromatography-mass spectrometry. Extraction from small volumes of biological samples. Journal of Separation Science, 2003, 26, 1520-1526.	2.5	41
93	Liquid-phase microextraction of basic drugs - Selection of extraction mode based on computer calculated solubility data. Journal of Separation Science, 2005, 28, 1195-1203.	2.5	41
94	Parallel electromembrane extraction in a multiwell plate. Analytical and Bioanalytical Chemistry, 2014, 406, 431-440.	3.7	41
95	3D cell culture models and organ-on-a-chip: Meet separation science and mass spectrometry. Electrophoresis, 2020, 41, 56-64.	2.4	41
96	Design and implementation of an automated liquid-phase microextraction-chip system coupled on-line with high performance liquid chromatography. Talanta, 2014, 120, 224-229.	5.5	40
97	Exhaustive and stable electromembrane extraction of acidic drugs from human plasma. Journal of Chromatography A, 2015, 1425, 81-87.	3.7	40
98	Mass transfer in electromembrane extraction – The link between theory and experiments. Journal of Separation Science, 2016, 39, 188-197.	2.5	39
99	Psychoactive drugs, alcohol, and severe hypoglycemia in insulin-treated diabetes: Analysis of 141 cases. American Journal of Medicine, 2005, 118, 307-310.	1.5	38
100	Liquid-Phase Microextraction or Electromembrane Extraction?. Analytical Chemistry, 2019, 91, 8267-8273.	6.5	36
101	Separation of fat-soluble vitamins by hydrophobic interaction electrokinetic chromatography with tetradecylammonium ions as pseudostationary phase. Journal of Chromatography A, 1998, 807, 285-295.	3.7	35
102	Glossary of terms used in extraction (IUPAC Recommendations 2016). Pure and Applied Chemistry, 2016, 88, 517-558.	1.9	35
103	Solid-phase microextraction/capillary gas chromatography for the profiling of confiscated ecstasy and amphetamine. Chromatographia, 1999, 50, 247-252.	1.3	34
104	Rapid determination of designer benzodiazepines, benzodiazepines, and Z-hypnotics in whole blood using parallel artificial liquid membrane extraction and UHPLC-MS/MS. Analytical and Bioanalytical Chemistry, 2018, 410, 4967-4978.	3.7	32
105	Liquid-phase microextraction and desorption electrospray ionization mass spectrometry for identification and quantification of basic drugs in human urine. Rapid Communications in Mass Spectrometry, 2012, 26, 133-140.	1.5	31
106	Investigation of alternative supported liquid membranes in electromembrane extraction of basic drugs from human plasma. Journal of Membrane Science, 2018, 548, 176-183.	8.2	31
107	Perspective: Hollow fibre liquid-phase microextraction - principles, performance, applicability, and future directions. Scientia Chromatographica, 2013, 5, 181-189.	0.2	31
108	Selective electromembrane extraction based on isoelectric point: Fundamental studies with angiotensin II antipeptide as model analyte. Journal of Membrane Science, 2015, 481, 115-123.	8.2	30

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109	Determination of sulphur- and chlorine-containing compounds using capillary gas chromatography and atomic emission detection. <i>Analytica Chimica Acta</i> , 1992, 265, 87-92.	5.4	29
110	Factors affecting C:H and C:N ratios determined by gas chromatography coupled with atomic emission detection. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 89-93.	1.4	29
111	Electromembrane extraction from aqueous samples containing polar organic solvents. <i>Journal of Chromatography A</i> , 2013, 1308, 37-44.	3.7	29
112	The potential of electromembrane extraction for bioanalytical applications. <i>Bioanalysis</i> , 2015, 7, 463-480.	1.5	29
113	Parallel artificial liquid membrane extraction of new psychoactive substances in plasma and whole blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1048, 77-84.	2.3	29
114	Environmental applications of capillary gas chromatography coupled with atomic emission detection – a review. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 597-607.	1.4	28
115	Salt effects in electromembrane extraction. <i>Journal of Chromatography A</i> , 2014, 1347, 1-7.	3.7	28
116	Application of hollow cylindrical wheat stem for electromembrane extraction of thorium in water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 328-332.	3.9	28
117	On-column atomic emission detection in capillary gas chromatography using a radio frequency plasma. <i>Journal of Separation Science</i> , 1994, 6, 11-18.	1.0	27
118	Comparison of GC-ECD, GC-MS and GC-AED for the determination of polychlorinated biphenyls in highly contaminated marine sediments. <i>Chromatographia</i> , 1996, 43, 44-52.	1.3	27
119	Liquid-phase microextraction in 96-well plates - calibration and accurate quantification of pharmaceuticals in human plasma samples. <i>Journal of Chromatography A</i> , 2019, 1602, 117-123.	3.7	27
120	Capillary gas chromatography combined with atomic emission detection for the analysis of polychlorinated biphenyls. <i>Journal of Chromatography A</i> , 1996, 723, 337-347.	3.7	26
121	Electromembrane extraction as a rapid and selective miniaturized sample preparation technique for biological fluids. <i>Bioanalysis</i> , 2015, 7, 2203-2209.	1.5	26
122	Semi-automated set-up for exhaustive micro-electromembrane extractions of basic drugs from biological fluids. <i>Analytica Chimica Acta</i> , 2018, 1005, 34-42.	5.4	26
123	Storage of oral fluid as dried spots on alginate and chitosan foam – a new concept for oral fluid collection. <i>Bioanalysis</i> , 2013, 5, 317-325.	1.5	25
124	Electromembrane extraction – looking into the future. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1687-1693.	3.7	24
125	Identification of chlorinated sulfur compounds in pulp mill effluents by GC-MS and GC-AED. <i>Chromatographia</i> , 1993, 35, 193-198.	1.3	23
126	Liquid-phase microextraction utilising plant oils as intermediate extraction medium - Towards elimination of synthetic organic solvents in sample preparation. <i>Journal of Separation Science</i> , 2004, 27, 1511-1516.	2.5	23

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127	Determination of psilocybin in <i>Psilocybe semilanceata</i> by capillary zone electrophoresis. <i>Biomedical Applications</i> , 1997, 694, 375-381.	1.7	22
128	Parallel artificial liquid membrane extraction as an efficient tool for removal of phospholipids from human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 229-236.	2.8	22
129	Dried blood spots and parallel artificial liquid membrane extraction – A simple combination of microsampling and microextraction. <i>Analytica Chimica Acta</i> , 2018, 1009, 56-64.	5.4	22
130	Electromembrane Extraction of Unconjugated Fluorescein Isothiocyanate from Solutions of Labeled Proteins Prior to Flow Induced Dispersion Analysis. <i>Analytical Chemistry</i> , 2019, 91, 6702-6708.	6.5	22
131	Experiences with Carrier-Mediated Transport in Liquid-Phase Microextraction. <i>Journal of Chromatographic Science</i> , 2006, 44, 308-316.	1.4	21
132	High-throughput analysis of drugs in biological fluids by desorption electrospray ionization mass spectrometry coupled with thin liquid membrane extraction. <i>Analyst, The</i> , 2013, 138, 5965-5972.	3.5	21
133	Micro-electromembrane extraction using multiple free liquid membranes and acceptor solutions – Towards selective extractions of analytes based on their acid-base strength. <i>Analytica Chimica Acta</i> , 2016, 943, 64-73.	5.4	21
134	Efficient discrimination and removal of phospholipids during electromembrane extraction from human plasma samples. <i>Bioanalysis</i> , 2017, 9, 631-641.	1.5	21
135	N-, O- and P-selective on-column atomic emission detection in capillary gas chromatography. <i>Journal of Chromatography A</i> , 1994, 686, 109-119.	3.7	20
136	Electromembrane extraction of highly polar bases from biological samples – Deeper insight into bis(2-ethylhexyl) phosphate as ionic carrier. <i>Analytica Chimica Acta</i> , 2020, 1115, 23-32.	5.4	20
137	Electromembrane extraction of peptides using deep eutectic solvents as liquid membrane. <i>Analytica Chimica Acta</i> , 2021, 1175, 338717.	5.4	20
138	Electromembrane extraction of polar substances – Status and perspectives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 207, 114407.	2.8	20
139	Complexation-mediated electromembrane extraction of highly polar basic drugs – a fundamental study with catecholamines in urine as model system. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4215-4223.	3.7	19
140	Electromembrane extraction of high level substances: A novel approach for selective recovery of templates in molecular imprinting. <i>Journal of Membrane Science</i> , 2018, 568, 30-39.	8.2	19
141	Electromembrane Extraction and Mass Spectrometry for Liver Organoid Drug Metabolism Studies. <i>Analytical Chemistry</i> , 2021, 93, 3576-3585.	6.5	19
142	Electromembrane extraction of streptomycin from biological fluids. <i>Journal of Chromatography A</i> , 2021, 1639, 461915.	3.7	19
143	Electromembrane extraction in microfluidic formats. <i>Journal of Separation Science</i> , 2022, 45, 246-257.	2.5	19
144	Analysis of vitamin formulations by electrokinetic chromatography utilizing tetradecylammonium ions as the pseudostationary phase. <i>Electrophoresis</i> , 1998, 19, 2912-2917.	2.4	18

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145	Capillary gas chromatography coupled with negative ionization microplasma mass spectrometry for halogen-selective detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 55-60.	3.0	18
146	Parallel artificial liquid membrane extraction of acidic drugs from human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2811-2819.	3.7	18
147	Determination of psychoactive drugs in serum using conductive vial electromembrane extraction combined with UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1183, 122926.	2.3	18
148	Molecular formula determination of halogenated compounds in environmental samples using gas chromatography and atomic emission detection. <i>Journal of Separation Science</i> , 1992, 4, 163-170.	1.0	17
149	Environmental screening by capillary gas chromatography combined with mass spectrometry and atomic emission spectroscopy. <i>Chemosphere</i> , 1996, 32, 1103-1115.	8.2	17
150	Simultaneous Element-Selective Detection of C, F, Cl, Br, and I by Capillary Gas Chromatography Coupled with Microplasma Mass Spectrometry. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 633-639.	1.4	17
151	Capillary gas chromatography coupled with microplasma mass spectrometry for organotin speciation. <i>Journal of Chromatography A</i> , 1999, 849, 553-562.	3.7	17
152	Development and characterization of a small electromembrane extraction probe coupled with mass spectrometry for real-time and online monitoring of in vitro drug metabolism. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 421-429.	3.7	17
153	Electromembrane extraction of substances with weakly basic properties: a fundamental study with benzodiazepines. <i>Bioanalysis</i> , 2018, 10, 769-781.	1.5	17
154	Impact of ion balance in electromembrane extraction. <i>Analytica Chimica Acta</i> , 2020, 1124, 129-136.	5.4	17
155	Electromembrane Extraction Using Sacrificial Electrodes. <i>Analytical Chemistry</i> , 2020, 92, 5595-5603.	6.5	17
156	Exploiting agarose gel modified with glucose-fructose syrup as a green sorbent in rotating-disk sorptive extraction technique for the determination of trace malondialdehyde in biological and food samples. <i>Talanta</i> , 2020, 217, 121001.	5.5	17
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