

Stig Pedersen-Bjergaard

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221
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97
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443
ext. papers

11,702
ext. citations

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avg, IF

6.72
L-index

#	Paper	IF	Citations
221	Liquid-liquid-liquid microextraction for sample preparation of biological fluids prior to capillary electrophoresis. <i>Analytical Chemistry</i> , 1999 , 71, 2650-6	7.8	1039
220	Electrokinetic migration across artificial liquid membranes. New concept for rapid sample preparation of biological fluids. <i>Journal of Chromatography A</i> , 2006 , 1109, 183-90	4.5	498
219	Developments in hollow fibre-based, liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 1-10	14.6	446
218	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, 132-42	4.5	415
217	Environmental and bioanalytical applications of hollow fiber membrane liquid-phase microextraction: a review. <i>Analytica Chimica Acta</i> , 2008 , 624, 253-68	6.6	352
216	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	4.5	271
215	Electrokinetic migration of acidic drugs across a supported liquid membrane. <i>Journal of Chromatography A</i> , 2007 , 1152, 220-5	4.5	201
214	Electrokinetic migration across artificial liquid membranes Tuning the membrane chemistry to different types of drug substances. <i>Journal of Chromatography A</i> , 2006 , 1124, 29-34	4.5	196
213	Simulation of flux during electro-membrane extraction based on the Nernst-Planck equation. <i>Journal of Chromatography A</i> , 2007 , 1174, 104-11	4.5	187
212	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	3.2	168
211	Electromembrane extraction of peptides. <i>Journal of Chromatography A</i> , 2008 , 1194, 143-9	4.5	159
210	Low-voltage electromembrane extraction of basic drugs from biological samples. <i>Journal of Chromatography A</i> , 2008 , 1180, 1-9	4.5	145
209	Microextraction across supported liquid membranes forced by pH gradients and electrical fields. <i>Journal of Chromatography A</i> , 2007 , 1157, 38-45	4.5	143
208	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	4.5	137
207	Liquid-phase microextraction and capillary electrophoresis of citalopram, an antidepressant drug. <i>Journal of Chromatography A</i> , 2001 , 909, 87-93	4.5	136
206	Liquid-phase microextraction and capillary electrophoresis of acidic drugs. <i>Electrophoresis</i> , 2000 , 21, 579-85	3.6	135
205	Recovery, enrichment and selectivity in liquid-phase microextraction comparison with conventional liquid-liquid extraction. <i>Journal of Chromatography A</i> , 2002 , 963, 3-17	4.5	134

204	Parameters affecting electro membrane extraction of basic drugs. <i>Journal of Separation Science</i> , 2008 , 31, 753-9	3.4	130
203	Electromembrane extraction of basic drugs from untreated human plasma and whole blood under physiological pH conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 921-8	4.4	122
202	Liquid-liquid extraction procedures for sample enrichment in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000 , 902, 91-105	4.5	109
201	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, 6661-7	4.5	108
200	On-chip electro membrane extraction. <i>Microfluidics and Nanofluidics</i> , 2010 , 9, 881-888	2.8	103
199	Analytical microextraction: current status and future trends. <i>Journal of Chromatographic Science</i> , 2006 , 44, 291-307	1.4	91
198	Liquid-phase microextraction of hydrophilic drugs by carrier-mediated transport. <i>Journal of Chromatography A</i> , 2003 , 998, 61-72	4.5	91
197	Rapid isolation of angiotensin peptides from plasma by electromembrane extraction. <i>Journal of Chromatography A</i> , 2009 , 1216, 6900-5	4.5	89
196	On-chip electro membrane extraction with online ultraviolet and mass spectrometric detection. <i>Analytical Chemistry</i> , 2011 , 83, 44-51	7.8	86
195	Selectivity in microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2000 , 897, 375-81	4.5	85
194	Recent developments in electromembrane extraction. <i>Analytical Methods</i> , 2013 , 5, 4549-4557	3.2	84
193	The modern role of smartphones in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 548-555	14.6	83
192	Kinetic electro membrane extraction under stagnant conditions--fast isolation of drugs from untreated human plasma. <i>Journal of Chromatography A</i> , 2010 , 1217, 5050-6	4.5	82
191	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	2.2	82
190	Electromembrane extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 95, 47-56	14.6	81
189	Liquid-phase microextraction based on carrier mediated transport combined with liquid chromatography-mass spectrometry. New concept for the determination of polar drugs in a single drop of human plasma. <i>Journal of Chromatography A</i> , 2005 , 1072, 29-36	4.5	79
188	Microemulsion electrokinetic chromatography in suppressed electroosmotic flow environment. Separation of fat-soluble vitamins. <i>Journal of Chromatography A</i> , 2000 , 876, 201-11	4.5	79
187	Stereospecific determination of citalopram and desmethylcitalopram by capillary electrophoresis and liquid-phase microextraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 33, 263-73	3.5	78

186	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, 303-12	4.5	76
185	Kinetic aspects of hollow fiber liquid-phase microextraction and electromembrane extraction. <i>Analytica Chimica Acta</i> , 2012 , 742, 10-6	6.6	75
184	Microemulsion electrokinetic chromatography [or solvent-modified micellar electrokinetic chromatography?]. <i>TrAC - Trends in Analytical Chemistry</i> , 2001 , 20, 614-619	14.6	75
183	Separation of neutral compounds by microemulsion electrokinetic chromatography: fundamental studies on selectivity. <i>Electrophoresis</i> , 2001 , 22, 1330-6	3.6	74
182	Electromembrane extraction from biological fluids. <i>Analytical Sciences</i> , 2011 , 27, 965-72	1.7	72
181	Electromembrane extraction: Overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 113, 357-363	14.6	72
180	Electromembrane extraction: a new technique for accelerating bioanalytical sample preparation. <i>Bioanalysis</i> , 2011 , 3, 787-97	2.1	68
179	Drop-to-drop microextraction across a supported liquid membrane by an electrical field under stagnant conditions. <i>Journal of Chromatography A</i> , 2009 , 1216, 1496-502	4.5	68
178	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, 33-8	3.5	67
177	Reduction of extraction times in liquid-phase microextraction. <i>Biomedical Applications</i> , 2001 , 760, 219-26		67
176	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	4.5	66
175	On-chip electromembrane extraction for monitoring drug metabolism in real time by electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2012 , 137, 3321-7	5	64
174	25,000-fold pre-concentration in a single step with liquid-phase microextraction. <i>Analytica Chimica Acta</i> , 2007 , 592, 1-8	6.6	62
173	Electrical potential can drive liquid-liquid extraction for sample preparation in chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 934-941	14.6	62
172	Liquid-phase microextraction of protein-bound drugs under non-equilibrium conditions. <i>Analyst, The</i> , 2002 , 127, 608-13	5	62
171	Liquid-phase microextraction of drugs from human breast milk. <i>Analytica Chimica Acta</i> , 2003 , 491, 155-161	16	61
170	Hollow fiber-liquid-phase microextraction of fungicides from orange juices. <i>Journal of Chromatography A</i> , 2010 , 1217, 1989-94	4.5	60
169	Electromembrane extraction-Recent trends and where to go. <i>Journal of Pharmaceutical Analysis</i> , 2017 , 7, 141-147	14	58

168	Electromembrane extraction for pharmaceutical and biomedical analysis - Quo vadis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 113, 97-107	3.5	57
167	Selective electromembrane extraction at low voltages based on analyte polarity and charge. <i>Journal of Chromatography A</i> , 2012 , 1248, 48-54	4.5	57
166	Electromembrane extraction of stimulating drugs from undiluted whole blood. <i>Journal of Chromatography A</i> , 2012 , 1232, 27-36	4.5	57
165	Electromembrane extraction: distribution or electrophoresis?. <i>Electrophoresis</i> , 2013 , 34, 792-9	3.6	54
164	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	3.4	54
163	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	6.6	52
162	Potential-driven peptide extractions across supported liquid membranes: investigation of principal operational parameters. <i>Journal of Separation Science</i> , 2010 , 33, 1665-72	3.4	52
161	Comparison of microemulsion electrokinetic chromatography and solvent-modified micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2001 , 24, 643-650	3.4	52
160	Fundamental studies on selectivity in 3-phase liquid-phase microextraction (LPME) of basic drugs. <i>Journal of Separation Science</i> , 2002 , 25, 141-146	3.4	51
159	Organic solvents in electromembrane extraction: recent insights. <i>Reviews in Analytical Chemistry</i> , 2016 , 35, 169-183	2.3	51
158	Emerging Extraction Strategies in Analytical Chemistry. <i>Analytical Chemistry</i> , 2020 , 92, 2-15	7.8	49
157	Electromembrane extraction and HPLC analysis of haloacetic acids and aromatic acetic acids in wastewater. <i>Talanta</i> , 2011 , 86, 109-13	6.2	46
156	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, 80-7	6.6	45
155	Fast, selective, and sensitive analysis of low-abundance peptides in human plasma by electromembrane extraction. <i>Analytica Chimica Acta</i> , 2012 , 716, 16-23	6.6	45
154	Extraction across supported liquid membranes by use of electrical fields. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 521-3	4.4	45
153	Nano-electromembrane extraction. <i>Analytica Chimica Acta</i> , 2013 , 785, 60-6	6.6	44
152	On-column bromine- and chlorine-selected detection for capillary gas chromatography using a radio frequency plasma. <i>Analytical Chemistry</i> , 1993 , 65, 1998-2002	7.8	44
151	Exhaustive extraction of peptides by electromembrane extraction. <i>Analytica Chimica Acta</i> , 2015 , 853, 328-334	6.6	43

150	Electromembrane extraction--three-phase electrophoresis for future preparative applications. <i>Electrophoresis</i> , 2014 , 35, 2421-8	3.6	43
149	Implementation of droplet-membrane-droplet liquid-phase microextraction under stagnant conditions for lab-on-a-chip applications. <i>Analytica Chimica Acta</i> , 2010 , 658, 133-40	6.6	43
148	Parallel artificial liquid membrane extraction: micro-scale liquid-liquid-liquid extraction in the 96-well format. <i>Bioanalysis</i> , 2013 , 5, 1377-85	2.1	42
147	Electromembrane extraction of peptides--fundamental studies on the supported liquid membrane. <i>Journal of Separation Science</i> , 2011 , 34, 3410-7	3.4	42
146	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, 1364-70	3.4	41
145	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	14	41
144	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, 6951-7	7.8	40
143	Alginate and chitosan foam combined with electromembrane extraction for dried blood spot analysis. <i>Analytical Chemistry</i> , 2012 , 84, 8783-9	7.8	40
142	Liquid-phase microextraction of basic drugs--selection of extraction mode based on computer calculated solubility data. <i>Journal of Separation Science</i> , 2005 , 28, 1195-203	3.4	40
141	Liquid-phase microextraction combined with liquid chromatography-mass spectrometry. Extraction from small volumes of biological samples. <i>Journal of Separation Science</i> , 2003 , 26, 1520-1526	3.4	39
140	Fundamental studies on the electrokinetic transfer of net cationic peptides across supported liquid membranes. <i>Journal of Separation Science</i> , 2011 , 34, 186-95	3.4	38
139	Electromembrane extraction with alkylated phosphites and phosphates as supported liquid membranes. <i>Journal of Membrane Science</i> , 2017 , 526, 18-24	9.6	37
138	Parallel electromembrane extraction in the 96-well format. <i>Analytica Chimica Acta</i> , 2014 , 828, 46-52	6.6	36
137	Exhaustive and stable electromembrane extraction of acidic drugs from human plasma. <i>Journal of Chromatography A</i> , 2015 , 1425, 81-7	4.5	35
136	Stability and efficiency of supported liquid membranes in electromembrane extraction--a link to solvent properties. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2151-61	4.4	35
135	Parallel electromembrane extraction in a multiwell plate. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 431-40	4.4	33
134	Microextraction approaches for bioanalytical applications: An overview. <i>Journal of Chromatography A</i> , 2020 , 1616, 460790	4.5	33
133	Nanoliter-Scale Electromembrane Extraction and Enrichment in a Microfluidic Chip. <i>Analytical Chemistry</i> , 2018 , 90, 9322-9329	7.8	33

132	Solid-phase microextraction/capillary gas chromatography for the profiling of confiscated ecstasy and amphetamine. <i>Chromatographia</i> , 1999 , 50, 247-252	2.1	32
131	Design and implementation of an automated liquid-phase microextraction-chip system coupled on-line with high performance liquid chromatography. <i>Talanta</i> , 2014 , 120, 224-9	6.2	31
130	Comprehensive study of buffer systems and local pH effects in electromembrane extraction. <i>Analytica Chimica Acta</i> , 2017 , 984, 116-123	6.6	31
129	Separation of fat-soluble vitamins by hydrophobic interaction electrokinetic chromatography with tetradecylammonium ions as pseudostationary phase. <i>Journal of Chromatography A</i> , 1998 , 807, 285-295	4.5	31
128	Microplasma mass spectrometric detection in capillary gas chromatography. <i>Analytical Chemistry</i> , 1998 , 70, 513-8	7.8	31
127	Extraction for analytical scale sample preparation (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016 , 88, 649-687	2.1	29
126	Electromembrane extraction using deep eutectic solvents as the liquid membrane. <i>Analytica Chimica Acta</i> , 2021 , 1143, 109-116	6.6	29
125	Liquid-phase microextraction and desorption electrospray ionization mass spectrometry for identification and quantification of basic drugs in human urine. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 133-40	2.2	28
124	Psychoactive drugs, alcohol, and severe hypoglycemia in insulin-treated diabetes: analysis of 141 cases. <i>American Journal of Medicine</i> , 2005 , 118, 307-10	2.4	27
123	Determination of sulphur- and chlorine-containing compounds using capillary gas chromatography and atomic emission detection. <i>Analytica Chimica Acta</i> , 1992 , 265, 87-92	6.6	27
122	The ten principles of green sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 148, 116530	14.6	27
121	Perspective: Hollow fibre liquid-phase microextraction - principles, performance, applicability, and future directions. <i>Scientia Chromatographica</i> , 2013 , 5, 181-189	1	27
120	Mass transfer in electromembrane extraction--The link between theory and experiments. <i>Journal of Separation Science</i> , 2016 , 39, 188-97	3.4	27
119	Electromembrane extraction from aqueous samples containing polar organic solvents. <i>Journal of Chromatography A</i> , 2013 , 1308, 37-44	4.5	26
118	Selective electromembrane extraction based on isoelectric point: Fundamental studies with angiotensin II antipeptide as model analyte. <i>Journal of Membrane Science</i> , 2015 , 481, 115-123	9.6	26
117	The potential of electromembrane extraction for bioanalytical applications. <i>Bioanalysis</i> , 2015 , 7, 463-80	2.1	25
116	On-column atomic emission detection in capillary gas chromatography using a radio frequency plasma. <i>Journal of Separation Science</i> , 1994 , 6, 11-18		25
115	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		25

114	Investigation of alternative supported liquid membranes in electromembrane extraction of basic drugs from human plasma. <i>Journal of Membrane Science</i> , 2018 , 548, 176-183	9.6	25
113	Storage of oral fluid as dried spots on alginate and chitosan foam - a new concept for oral fluid collection. <i>Bioanalysis</i> , 2013 , 5, 317-25	2.1	24
112	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	2.1	24
111	Capillary gas chromatography combined with atomic emission detection for the analysis of polychlorinated biphenyls. <i>Journal of Chromatography A</i> , 1996 , 723, 337-347	4.5	24
110	Environmental applications of capillary gas chromatography coupled with atomic emission detection - a review. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 597-607		24
109	Bioanalysis of pharmaceuticals using liquid-phase microextraction combined with liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 189, 1134-1145	2.5	23
108	Glossary of terms used in extraction (IUPAC Recommendations 2016). <i>Pure and Applied Chemistry</i> , 2016 , 88, 517-558	2.1	23
107	Salt effects in electromembrane extraction. <i>Journal of Chromatography A</i> , 2014 , 1347, 1-7	4.5	23
106	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, 328-32	4.4	22
105	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, 1511-6	3.4	22
104	Liquid-Phase Microextraction or Electromembrane Extraction?. <i>Analytical Chemistry</i> , 2019 , 91, 8267-8273	3.8	21
103	Identification of chlorinated sulfur compounds in pulp mill effluents by GC-MS and GC-AED. <i>Chromatographia</i> , 1993 , 35, 193-198	2.1	20
102	3D cell culture models and organ-on-a-chip: Meet separation science and mass spectrometry. <i>Electrophoresis</i> , 2020 , 41, 56-64	3.6	20
101	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	3.2	19
100	Rapid determination of designer benzodiazepines, benzodiazepines, and Z-hypnotics in whole blood using parallel artificial liquid membrane extraction and UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4967-4978	4.4	19
99	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, 5965-72	5	19
98	Experiences with carrier-mediated transport in liquid-phase microextraction. <i>Journal of Chromatographic Science</i> , 2006 , 44, 308-16	1.4	19
97	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	4.4	18

96	Semi-automated set-up for exhaustive micro-electromembrane extractions of basic drugs from biological fluids. <i>Analytica Chimica Acta</i> , 2018 , 1005, 34-42	6.6	18
95	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	6.6	18
94	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, 421-9	4.4	17
93	Efficient discrimination and removal of phospholipids during electromembrane extraction from human plasma samples. <i>Bioanalysis</i> , 2017 , 9, 631-641	2.1	17
92	Determination of psilocybin in <i>Psilocybe semilanceata</i> by capillary zone electrophoresis. <i>Biomedical Applications</i> , 1997 , 694, 375-81		17
91	Analysis of vitamin formulations by electrokinetic chromatography utilizing tetradecylammonium ions as the pseudostationary phase. <i>Electrophoresis</i> , 1998 , 19, 2912-7	3.6	17
90	Electromembrane extraction as a rapid and selective miniaturized sample preparation technique for biological fluids. <i>Bioanalysis</i> , 2015 , 7, 2203-9	2.1	16
89	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	4.5	16
88	Environmental screening by capillary gas chromatography combined with mass spectrometry and atomic emission spectroscopy. <i>Chemosphere</i> , 1996 , 32, 1103-1115	8.4	16
87	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		16
86	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	3.5	16
85	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	6.6	16
84	Strategies for the capillary electrophoretic separation of indole alkaloids in <i>Psilocybe semilanceata</i> . <i>Electrophoresis</i> , 1998 , 19, 27-30	3.6	15
83	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	7.8	14
82	Real Time Extraction Kinetics of Electro Membrane Extraction Verified by Comparing Drug Metabolism Profiles Obtained from a Flow-Flow Electro Membrane Extraction-Mass Spectrometry System with LC-MS. <i>Analytical Chemistry</i> , 2015 , 87, 5774-81	7.8	14
81	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	6.6	14
80	Maghemite nanoparticle-decorated hollow fiber electromembrane extraction combined with dispersive liquid-liquid microextraction for determination of thymol from <i>Carum copticum</i> . <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 1517-1523	4.3	14
79	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		14

78	N-, O- and P-selective on-column atomic emission detection in capillary gas chromatography. <i>Journal of Chromatography A</i> , 1994 , 686, 109-119	4.5	14
77	Electromembrane extraction-looking into the future. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1687-1693	4.4	14
76	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	9.6	14
75	Screening for central nervous system-stimulating drugs in human plasma by liquid chromatography with mass spectrometric detection. <i>Journal of Chromatography A</i> , 2004 , 1031, 203-11	4.5	13
74	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	3.7	13
73	Capillary gas chromatography coupled with microplasma mass spectrometry for organotin speciation. <i>Journal of Chromatography A</i> , 1999 , 849, 553-62	4.5	13
72	Impact of ion balance in electromembrane extraction. <i>Analytica Chimica Acta</i> , 2020 , 1124, 129-136	6.6	12
71	Parallel artificial liquid membrane extraction of acidic drugs from human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2811-9	4.4	12
70	Electromembrane Extraction Using Sacrificial Electrodes. <i>Analytical Chemistry</i> , 2020 , 92, 5595-5603	7.8	11
69	State-of-the art of selective detection and identification of I-, Br-, Cl-, and F-containing compounds in gas chromatography and liquid chromatography. <i>Journal of Chromatography A</i> , 2004 , 1050, 45-62	4.5	11
68	Effect of make-up gas in on-column atomic emission spectrometric detection for capillary gas chromatography. <i>Journal of Analytical Atomic Spectrometry</i> , 1996 , 11, 117	3.7	11
67	Electromembrane extraction of substances with weakly basic properties: a fundamental study with benzodiazepines. <i>Bioanalysis</i> , 2018 , 10, 769-781	2.1	11
66	Parallel artificial liquid membrane extraction of psychoactive analytes: a novel approach in therapeutic drug monitoring. <i>Bioanalysis</i> , 2018 , 10, 385-395	2.1	10
65	Continuous electromembrane extraction coupled with mass spectrometry - Perspectives and challenges. <i>Analytica Chimica Acta</i> , 2018 , 999, 27-36	6.6	10
64	Electromembrane extraction with solvent modification of the acceptor solution: improved mass transfer of drugs of abuse from human plasma. <i>Bioanalysis</i> , 2019 , 11, 755-771	2.1	10
63	One-step extraction of polar drugs from plasma by parallel artificial liquid membrane extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1043, 25-32	3.2	10
62	Calculation of elemental ratios by on-column radiofrequency plasma atomic emission detection coupled with capillary gas chromatography. <i>Journal of Chromatography A</i> , 1996 , 736, 157-164	4.5	10
61	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	6.2	9

60	Analysis of semivolatile pharmaceuticals and pollutants in organic micro extracts using hot cell membrane inlet mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 4010-4	7.8	9
59	Electromembrane extraction of streptomycin from biological fluids. <i>Journal of Chromatography A</i> , 2021 , 1639, 461915	4.5	9
58	Fully Automated Electro Membrane Extraction Autosampler for LC-MS Systems Allowing Soft Extractions for High-Throughput Applications. <i>Analytical Chemistry</i> , 2016 , 88, 6797-804	7.8	8
57	Direct coupling of a flow-flow electromembrane extraction probe to LC-MS. <i>Analytica Chimica Acta</i> , 2016 , 905, 93-9	6.6	8
56	Determination of chlorinated and brominated micropollutants by capillary gas chromatography coupled with on-column radio frequency plasma atomic emission detection. <i>Journal of High Resolution Chromatography</i> , 1997 , 20, 201-207		8
55	Evaluation of a low-resolution near-IR monochromator for atomic emission detection in capillary gas chromatography. <i>Journal of High Resolution Chromatography</i> , 1995 , 18, 9-14		8
54	Organic-solvent-free electromembrane extraction based on semi-interpenetrating polymer networks. <i>Green Chemistry</i> , 2021 , 23, 1782-1793	10	8
53	Direct coupling of electromembrane extraction to mass spectrometry - Advancing the probe functionality toward measurements of zwitterionic drug metabolites. <i>Analytica Chimica Acta</i> , 2017 , 983, 121-129	6.6	7
52	Capillary Gas Chromatography Coupled with Microplasma Mass Spectrometry Improved Ion Source Design Compatible with Bench-Top Mass Spectrometric Instrumentation. <i>Journal of High Resolution Chromatography</i> , 1998 , 21, 282-286		7
51	Unidirectional solute transfer using a Janus membrane. <i>Journal of Membrane Science</i> , 2020 , 596, 117723	9.6	7
50	Electromembrane extraction of anthracyclines from plasma: Comparison with conventional extraction techniques. <i>Talanta</i> , 2021 , 223, 121748	6.2	7
49	Solid-phase microextraction coupled with atomic emission spectroscopy--rapid screening for volatile chlorinated compounds. <i>Chemosphere</i> , 2002 , 49, 1349-55	8.4	6
48	On-chip electromembrane extraction for monitoring drug metabolism in real time by electrospray ionization mass spectrometry. <i>Methods in Molecular Biology</i> , 2015 , 1274, 171-82	1.4	6
47	Towards exhaustive electromembrane extraction under stagnant conditions. <i>Analytica Chimica Acta</i> , 2020 , 1104, 1-9	6.6	6
46	Selectivity and efficiency of electromembrane extraction of polar bases with different liquid membranes-Link to analyte properties. <i>Journal of Separation Science</i> , 2021 , 44, 2631-2641	3.4	6
45	On-chip electromembrane extraction of acidic drugs. <i>Electrophoresis</i> , 2019 , 40, 2514-2521	3.6	5
44	Recent progress in sample extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 843-846	14.6	5
43	Evaluation of a radio frequency plasma for oxygen-selective detection in capillary gas chromatography. <i>Journal of High Resolution Chromatography</i> , 1992 , 15, 677-681		5

42	Determination of extractable organic chlorine and bromine by probe injection dual-microplasma atomic emission spectrometry. <i>Analytical Chemistry</i> , 1997 , 69, 3558-64	7.8	4
41	Comparison of on-column and splitless injection in capillary gas chromatography coupled with atomic emission detection. <i>Journal of High Resolution Chromatography</i> , 1997 , 20, 47-49		4
40	Capillary gas chromatography combined with atomic emission detection for the analysis of DDT and metabolites. <i>Chemosphere</i> , 1998 , 36, 213-24	8.4	4
39	Green microfluidic liquid-phase microextraction of polar and non-polar acids from urine. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3717-3723	4.4	4
38	Electromembrane Extraction and Mass Spectrometry for Liver Organoid Drug Metabolism Studies. <i>Analytical Chemistry</i> , 2021 , 93, 3576-3585	7.8	4
37	Electromembrane extraction of peptides using deep eutectic solvents as liquid membrane. <i>Analytica Chimica Acta</i> , 2021 , 1175, 338717	6.6	4
36	The electromembrane extraction of pharmaceutical compounds from animal tissues. <i>Analytica Chimica Acta</i> , 2021 , 1177, 338742	6.6	4
35	Influence of acid-base dissociation equilibria during electromembrane extraction. <i>Journal of Separation Science</i> , 2020 , 43, 3120-3128	3.4	3
34	Sample Preparation 2015 , 73-122		3
33	Determination of brominated alkylbenzenes in nickel industry sludge by capillary gas chromatography. <i>Chromatographia</i> , 1997 , 46, 411-418	2.1	3
32	Electromembrane extraction of peptides and amino acids - status and perspectives. <i>Bioanalysis</i> , 2021 , 13, 277-289	2.1	3
31	Microfluidic liquid-phase microextraction based on natural deep eutectic solvents immobilized in agarose membranes. <i>Journal of Chromatography A</i> , 2021 , 1657, 462580	4.5	3
30	Electromembrane extraction of sodium dodecyl sulfate from highly concentrated solutions. <i>Analyst, The</i> , 2020 , 145, 4957-4963	5	2
29	Dried Blood Spots on Carboxymethyl Cellulose Sheets: Rapid Sample Preparation Based on Dissolution and Precipitation. <i>Chromatographia</i> , 2016 , 79, 509-514	2.1	2
28	Analysis of Small-Molecule Drugs in Biological Fluids 2015 , 207-260		2
27	Gas Chromatography (GC) 2015 , 173-206		2
26	Liquid-Phase Microextraction (LPME) Utilizing Porous Hollow Fibers 2011 , 125-148		2
25	Electromembrane extraction of polar substances - Status and perspectives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 207, 114407	3.5	2

24	Removal of Polymerase Chain Reaction Inhibitors by Electromembrane Extraction. <i>Analytical Chemistry</i> , 2021 , 93, 11488-11496	7.8	2
23	Electromembrane extraction in microfluidic formats. <i>Journal of Separation Science</i> , 2021 ,	3.4	2
22	Ultrasound-assisted electromembrane extraction with supported semi-liquid membrane. <i>Analytica Chimica Acta</i> , 2021 , 1184, 339038	6.6	2
21	Green and sustainable drug analysis [Combining microsampling and microextraction of drugs of abuse. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 24, 100517	3.9	2
20	General Chromatographic Theory and Principles 2015 , 31-60		1
19	Quantitative and Qualitative Chromatographic Analysis 2015 , 61-72		1
18	High-Performance Liquid Chromatography (HPLC) and High-Performance Liquid Chromatography/Mass Spectrometry (LC-MS) 2015 , 123-172		1
17	Gas Chromatography with Atomic Emission Detection in Environmental Analysis 2006 ,		1
16	Drug Monitoring in Human Plasma by Capillary Gas Chromatography Coupled with Atomic Emission Detection. Potential and Limitations. <i>Journal of High Resolution Chromatography</i> , 1999 , 22, 123-125		1
15	Direct Electromembrane Extraction-Based Mass Spectrometry: A Tool for Studying Drug Metabolism Properties of Liver Organoids. <i>Analysis & Sensing</i> ,		1
14	Advanced microextraction techniques for the analysis of amphetamines in human breast milk and their comparison with conventional methods.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 210, 114549	3.5	1
13	Membrane-based liquid-phase microextraction of basic pharmaceuticals - A study on the optimal extraction window.. <i>Journal of Chromatography A</i> , 2021 , 1664, 462769	4.5	1
12	Effect of sample matrices on supported liquid membrane: Efficient electromembrane extraction of cationones from biological samples.. <i>Talanta</i> , 2021 , 240, 123175	6.2	1
11	Quality papers on sample preparation and extraction. <i>Talanta Open</i> , 2021 , 3, 100043	5.6	1
10	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	3.2	1
9	A rapid and versatile microfluidic method for the simultaneous extraction of polar and non-polar basic pharmaceuticals from human urine.. <i>Analytica Chimica Acta</i> , 2022 , 1208, 339829	6.6	1
8	Biological Samples: Their Composition and Properties, and Their Collection and Storage 2015 , 23-30		0
7	Versatile Integration of Liquid-Phase Microextraction and Fluorescent Aptamer Beacons: A Synergistic Effect for Bioanalysis. <i>Analytical Chemistry</i> , 2021 , 93, 14323-14333	7.8	0

- 6 Microextraction With Supported Liquid Membranes **2020**, 241-263 o
- 5 Physicochemical Properties of Drug Substances **2015**, 9-22
- 4 Analysis of Peptide and Protein Drugs in Biological Fluids **2015**, 261-282
- 3 Regulated Bioanalysis and Guidelines **2015**, 283-303
- 2 Analytical microextraction with supported liquid membranes **2021**, 97-109
- 1 Electromembrane extraction ¶looking closer into the liquid membrane. *Advances in Sample Preparation*, **2022**, 100020