

Pavel Kuběňák

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6668153/publications.pdf>

Version: 2024-02-01

62
papers

2,519
citations

186265

28
h-index

197818

49
g-index

63
all docs

63
docs citations

63
times ranked

1154
citing authors

#	ARTICLE	IF	CITATIONS
1	At-line coupling of hollow fiber liquid-phase microextraction to capillary electrophoresis for trace determination of acidic drugs in complex samples. <i>Talanta</i> , 2022, 238, 123068.	5.5	27
2	Automated Sequential Injection-Capillary Electrophoresis for Dried Blood Spot Analysis: A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2022, 94, 5301-5309.	6.5	7
3	Dried Blood Spot Self-Sampling with Automated Capillary Electrophoresis Processing for Clinical Analysis. <i>Angewandte Chemie</i> , 2021, 133, 6133-6140.	2.0	2
4	Dried Blood Spot Self-Sampling with Automated Capillary Electrophoresis Processing for Clinical Analysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6068-6075.	13.8	14
5	Volatile free liquid membranes for electromembrane extraction. <i>Analytica Chimica Acta</i> , 2021, 1182, 338959.	5.4	5
6	Two-phase micro-electromembrane extraction with a floating drop free liquid membrane for the determination of basic drugs in complex samples. <i>Talanta</i> , 2020, 206, 120255.	5.5	13
7	Direct capillary electrophoresis analysis of basic and acidic drugs from microliter volume of human body fluids after liquid-phase microextraction through nano-fibrous membrane. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 181-191.	3.7	11
8	Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection for Quantitative Analysis of Dried Blood Spots with Unknown Blood Volume. <i>Analytical Chemistry</i> , 2020, 92, 1557-1564.	6.5	23
9	Capacitively coupled contactless conductivity detection for analytical techniques – Developments from 2018 to 2020. <i>Journal of Chromatography A</i> , 2020, 1632, 461616.	3.7	42
10	Paper-based molecularly imprinted-interpenetrating polymer network for on-spot collection and microextraction of dried blood spots for capillary electrophoresis determination of carbamazepine. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2721-2730.	3.7	26
11	Hollow Fiber Liquid-Phase Microextraction At-Line Coupled to Capillary Electrophoresis for Direct Analysis of Human Body Fluids. <i>Analytical Chemistry</i> , 2020, 92, 7171-7178.	6.5	19
12	Contactless conductivity detection for analytical techniques: Developments from 2016 to 2018. <i>Electrophoresis</i> , 2019, 40, 124-139.	2.4	43
13	Fully Automated Electric-Field-Driven Liquid Phase Microextraction System with Renewable Organic Membrane As a Front End to High Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 2019, 91, 10808-10815.	6.5	19
14	Capillary electrophoresis of small ions and molecules in less conventional human body fluid samples: A review. <i>Analytica Chimica Acta</i> , 2019, 1075, 1-26.	5.4	47
15	The effect of membrane thickness on supported liquid membrane extractions in-line coupled to capillary electrophoresis for analyses of complex samples. <i>Journal of Chromatography A</i> , 2019, 1596, 226-232.	3.7	17
16	Determination of genomic N3-methylthymidine in human cancer cells treated with nitrosamines using capillary electrophoresis with laser-induced fluorescence. <i>Electrophoresis</i> , 2019, 40, 1535-1539.	2.4	2
17	In-line coupling of supported liquid membrane extraction across nanofibrous membrane to capillary electrophoresis for analysis of basic drugs from undiluted body fluids. <i>Electrophoresis</i> , 2019, 40, 2398-2406.	2.4	6
18	Electromembrane extraction: Overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 357-363.	11.4	126

#	ARTICLE	IF	CITATIONS
19	Two-phase micro-electromembrane extraction across free liquid membrane for determination of acidic drugs in complex samples. <i>Analytica Chimica Acta</i> , 2019, 1048, 58-65.	5.4	16
20	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
21	20th anniversary of axial capacitively coupled contactless conductivity detection in capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 311-321.	11.4	108
22	Injections from sub- $\frac{1}{4}$ L sample volumes in commercial capillary electrophoresis. <i>Journal of Chromatography A</i> , 2017, 1497, 164-171.	3.7	17
23	In-line coupling of supported liquid membrane extraction to capillary electrophoresis for simultaneous analysis of basic and acidic drugs in urine. <i>Journal of Chromatography A</i> , 2017, 1519, 137-144.	3.7	15
24	Salt Removal from Microliter Sample Volumes by Multiple Phase Microelectromembrane Extractions Across Free Liquid Membranes. <i>Analytical Chemistry</i> , 2017, 89, 8476-8483.	6.5	30
25	Direct Analysis of Free Aqueous and Organic Operational Solutions as a Tool for Understanding Fundamental Principles of Electromembrane Extraction. <i>Analytical Chemistry</i> , 2017, 89, 12960-12967.	6.5	20
26	Comprehensive study of buffer systems and local pH effects in electromembrane extraction. <i>Analytica Chimica Acta</i> , 2017, 984, 116-123.	5.4	43
27	Application of a macrocyclic compound, bambus[6]uril, in tailor-made liquid membranes for highly selective electromembrane extractions of inorganic anions. <i>Analytica Chimica Acta</i> , 2017, 950, 49-56.	5.4	35
28	Contactless conductivity detection for analytical techniques – Developments from 2014 to 2016. <i>Electrophoresis</i> , 2017, 38, 95-114.	2.4	62
29	Thermostatted dual-channel portable capillary electrophoresis instrument. <i>Electrophoresis</i> , 2016, 37, 2368-2375.	2.4	24
30	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
31	Rapid determination of meldonium in urine samples by capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Journal of Chromatography A</i> , 2016, 1468, 236-240.	3.7	16
32	Simultaneous micro-electromembrane extractions of anions and cations using multiple free liquid membranes and acceptor solutions. <i>Analytica Chimica Acta</i> , 2016, 908, 113-120.	5.4	28
33	Additional considerations on electrolysis in electromembrane extraction. <i>Journal of Chromatography A</i> , 2016, 1429, 364-368.	3.7	26
34	In-line coupling of microextractions across polymer inclusion membranes to capillary zone electrophoresis for rapid determination of formate in blood samples. <i>Analytica Chimica Acta</i> , 2015, 887, 111-117.	5.4	22
35	Quantitative aspects of electrolysis in electromembrane extractions of acidic and basic analytes. <i>Analytica Chimica Acta</i> , 2015, 887, 92-100.	5.4	46
36	The effects of electrolysis on operational solutions in electromembrane extraction: The role of acceptor solution. <i>Journal of Chromatography A</i> , 2015, 1398, 11-19.	3.7	49

#	ARTICLE	IF	CITATIONS
37	Sensitivity enhancement in direct coupling of supported liquid membrane extractions to capillary electrophoresis by means of transient isotachopheresis and large electrokinetic injections. <i>Journal of Chromatography A</i> , 2015, 1389, 1-7.	3.7	19
38	Contactless conductivity detection for analytical techniques – Developments from 2012 to 2014. <i>Electrophoresis</i> , 2015, 36, 195-211.	2.4	88
39	Fine-tuning of electromembrane extraction selectivity using 18-crown-6 ethers as supported liquid membrane modifiers. <i>Electrophoresis</i> , 2014, 35, 3317-3320.	2.4	28
40	Micro-electromembrane extraction across free liquid membranes. Extractions of basic drugs from undiluted biological samples. <i>Journal of Chromatography A</i> , 2014, 1337, 32-39.	3.7	64
41	Micro-electromembrane extraction across free liquid membranes. Instrumentation and basic principles. <i>Journal of Chromatography A</i> , 2014, 1346, 25-33.	3.7	55
42	Effects of selected operational parameters on efficacy and selectivity of electromembrane extraction. Chlorophenols as model analytes. <i>Electrophoresis</i> , 2014, 35, 2429-2437.	2.4	15
43	Preconcentration in micro-electromembrane extraction across free liquid membranes. <i>Analytica Chimica Acta</i> , 2014, 848, 43-50.	5.4	28
44	Contactless conductivity detection for analytical techniques: Developments from 2010 to 2012. <i>Electrophoresis</i> , 2013, 34, 55-69.	2.4	86
45	A simple sample pretreatment device with supported liquid membrane for direct injection of untreated body fluids and in-line coupling to a commercial CE instrument. <i>Electrophoresis</i> , 2013, 34, 289-296.	2.4	19
46	Direct analysis of formate in human plasma, serum and whole blood by in-line coupling of microdialysis to capillary electrophoresis for rapid diagnosis of methanol poisoning. <i>Analytica Chimica Acta</i> , 2013, 768, 82-89.	5.4	25
47	Direct coupling of supported liquid membranes to capillary electrophoresis for analysis of complex samples: A tutorial. <i>Analytica Chimica Acta</i> , 2013, 787, 10-23.	5.4	31
48	Supported liquid membrane extraction coupled in-line to commercial capillary electrophoresis for rapid determination of formate in undiluted blood samples. <i>Journal of Chromatography A</i> , 2013, 1299, 33-39.	3.7	16
49	Capillary electrophoresis with capacitively coupled contactless conductivity detection: A universal tool for the determination of supported liquid membrane selectivity in electromembrane extraction of complex samples. <i>Journal of Chromatography A</i> , 2012, 1267, 96-101.	3.7	54
50	Electrokinetic injection across supported liquid membranes: New sample pretreatment technique for online coupling to capillary electrophoresis. Direct analysis of perchlorate in biological samples. <i>Electrophoresis</i> , 2012, 33, 2695-2702.	2.4	32
51	On-line coupling of a clean-up device with supported liquid membrane to capillary electrophoresis for direct injection and analysis of serum and plasma samples. <i>Journal of Chromatography A</i> , 2012, 1234, 2-8.	3.7	28
52	Electromembrane extraction using stabilized constant d.c. electric current – A simple tool for improvement of extraction performance. <i>Journal of Chromatography A</i> , 2012, 1234, 32-37.	3.7	59
53	Electromembrane extraction of amino acids from body fluids followed by capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Journal of Chromatography A</i> , 2011, 1218, 6248-6255.	3.7	118
54	Use of disposable open tubular ion exchange pre-columns for in-line clean-up of serum and plasma samples prior to capillary electrophoretic analysis of inorganic cations. <i>Journal of Chromatography A</i> , 2011, 1218, 856-859.	3.7	10

#	ARTICLE	IF	CITATIONS
55	Capacitively coupled contactless conductivity detection for microseparation techniques – recent developments. <i>Electrophoresis</i> , 2011, 32, 30-42.	2.4	130
56	Analysis of inorganic cations in biological samples by the combination of microelectrodialysis and capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Electrophoresis</i> , 2011, 32, 464-471.	2.4	27
57	Electromembrane extraction of heavy metal cations followed by capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Electrophoresis</i> , 2011, 32, 1025-1032.	2.4	132
58	Rapid and simple pretreatment of human body fluids using electromembrane extraction across supported liquid membrane for capillary electrophoretic determination of lithium. <i>Electrophoresis</i> , 2011, 32, 1182-1189.	2.4	64
59	Trace determination of perchlorate using electromembrane extraction and capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Electrophoresis</i> , 2011, 32, 3008-3015.	2.4	41
60	Determination of genomic 5-hydroxymethyl-2'-deoxycytidine in human DNA by capillary electrophoresis with laser induced fluorescence. <i>Epigenetics</i> , 2011, 6, 560-565.	2.7	35
61	Electric field-enhanced transport across phase boundaries and membranes and its potential use in sample pretreatment for bioanalysis. <i>Electrophoresis</i> , 2010, 31, 768-785.	2.4	65
62	Ten years of axial capacitively coupled contactless conductivity detection for CZE – a review. <i>Electrophoresis</i> , 2009, 30, 176-188.	2.4	197