Sylwia Studzinska

List of Publications by Citations

66 papers	1,159 citations	19 h-index	30 g-index
70 ext. papers	1,327 ext. citations	3.8 avg, IF	5.11 L-index

#	Paper	IF	Citations
66	Study of toxicity of imidazolium ionic liquids to watercress (Lepidium sativum L.). *Analytical and Bioanalytical Chemistry*, **2009**, 393, 983-90	4.4	89
65	A Review of Ionic Liquids in Chromatographic and Electromigration Techniques. *Chromatographia*, **2008**, 68, 1-10	2.1	87
64	Stationary phase with specific surface properties for the separation of estradiol diastereoisomers. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2003**, 792, 279-86	3.2	47
63	Corona-Charged Aerosol Detection: An Analytical Approach. *Critical Reviews in Analytical Chemistry*, **2013**, 43, 64-78	5.2	45
62	Influence of stationary phase properties on the separation of ionic liquid cations by RP-HPLC. *Journal of Separation Science*, **2006**, 29, 1116-25	3.4	45
61	Study of sorption kinetics of some ionic liquids on different soil types. *Chemosphere*, **2008**, 71, 2121-8	8.4	44
60	Review on investigations of antisense oligonucleotides with the use of mass spectrometry. *Talanta*, **2018**, 176, 329-343	6.2	40
59	Study of ionic liquid cations transport in soil. *Journal of Hazardous Materials*, **2009**, 168, 1542-7	12.8	40
58	Comparative evaluation of high-performance liquid chromatography stationary phases used for the separation of peptides in terms of quantitative structure-retention relationships. *Journal of Chromatography A*, **2007**, 1175, 49-54	4.5	36
57	Development of a method based on ultra high performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry for studying the in vitro metabolism of phosphorothioate oligonucleotides. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 1585-95	4.4	30
56	Functionalized anion exchange stationary phase for separation of anionic compounds. *Talanta*, **2014**, 127, 133-9	6.2	28
55	The impact of ion-pairing reagents on the selectivity and sensitivity in the analysis of modified oligonucleotides in serum samples by liquid chromatography coupled with tandem mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 138, 146-152	3.5	26
54	Effect of stationary phase polarity on the retention of ionic liquid cations in reversed phase liquid chromatography. *Journal of Separation Science*, **2006**, 29, 2625-34	3.4	25
53	Analysis of Antisense Oligonucleotides and Their Metabolites with the Use of Ion Pair Reversed-Phase Liquid Chromatography Coupled with Mass Spectrometry. *Critical Reviews in Analytical Chemistry*, **2019**, 49, 256-270	5.2	25
52	Review on sample preparation methods for oligonucleotides analysis by liquid chromatography. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1090, 90-100	3.2	23
51	Evaluation of ultra high-performance [corrected] liquid chromatography columns for the analysis of unmodified and antisense oligonucleotides. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 7127-36	4.4	20
50	and studies of antisense oligonucleotides - a review.. *RSC Advances*, **2020**, 10, 34501-34516	3.7	19

49	Application of hydrophilic interaction liquid chromatography coupled with mass spectrometry in the analysis of phosphorothioate oligonucleotides in serum. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1040, 282-288	3.2	19
48	HPLC columns partition by chemometric methods based on peptides retention. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 845, 253-60	3.2	19
47	Study of RP HPLC Retention Behaviours in Analysis of Carotenoids. *Chromatographia*, **2014**, 77, 1047-1057	2.1	18
46	Effect of mobile phase pH on the retention of nucleotides on different stationary phases for high-performance liquid chromatography. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 1663-72	4.4	18
45	Study of the Interactions of Ionic Liquids in IC by QSRR. *Chromatographia*, **2011**, 73, 35-44	2.1	18
44	Determination of nucleotides in infant milk formulas using novel dendrimer ion-exchangers. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 949-950, 87-93	3.2	17
43	The influence of the mobile phase pH and the stationary phase type on the selectivity tuning in high performance liquid chromatography nucleosides separation. *Journal of Separation Science*, **2005**, 28, 1502-11	3.4	17
42	Development of a method for multiple vitamin D metabolite measurements by liquid chromatography coupled with tandem mass spectrometry in dried blood spots. *Analyst, The*, **2018**, 144, 299-309	5	15
41	Application of phenyl-based stationary phases for the study of retention and separation of oligonucleotides. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1060, 36-43	3.2	14
40	Different approaches to quantitative structure-retention relationships in the prediction of oligonucleotide retention. *Journal of Separation Science*, **2015**, 38, 2076-84	3.4	14
39	The Effects of Stationary Phases on Retention and Selectivity of Oligonucleotides in IP-RP-HPLC. *Chromatographia*, **2014**, 77, 1589-1596	2.1	14
38	Some remarks on characterization and application of stationary phases for RP-HPLC determination of biologically important compounds. *Biomedical Chromatography*, **2006**, 20, 4-22	1.7	14
37	New Generation of Chromatographic Packings and Columns for Determination of Biologically Active Compounds. *Critical Reviews in Analytical Chemistry*, **2005**, 35, 89-116	5.2	14
36	Linear Solvation Energy Relationships in the Determination of Specificity and Selectivity of Stationary Phases. *Chromatographia*, **2012**, 75, 1235-1246	2.1	13
35	New approach to the determination phosphorothioate oligonucleotides by ultra high performance liquid chromatography coupled with inductively coupled plasma mass spectrometry. *Analytica Chimica Acta*, **2015**, 855, 13-20	6.6	12
34	DETERMINATION OF IMIDAZOLIUM AND PYRIDINIUM IONIC LIQUID CATIONS BY ION CHROMATOGRAPHY. *Journal of Liquid Chromatography and Related Technologies*, **2009**, 33, 225-238	1.3	12
33	Analysis of the first and second generation of antisense oligonucleotides in serum samples with the use of ultra high performance liquid chromatography coupled with tandem mass spectrometry. *Talanta*, **2019**, 196, 54-63	6.2	12
32	Quantitative structure–retention relationships of ionic liquid cations in characterization of stationary phases for HPLC. *Analytical Methods*, **2014**, 6, 1189	3.2	11

31	A new way to fast and high resolution determination of modified nucleosides. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 887-888, 93-101	3.2	11
30	Fast method for the resolution and determination of sex steroids in urine. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2013**, 927, 158-63	3.2	11
29	New approaches for extraction and determination of betaine from Beta vulgaris samples by hydrophilic interaction liquid chromatography-tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 5133-5141	4.4	10
28	Study of retention mechanism of imidazolium-based ionic liquids in HPLC. *Journal of Separation Science*, **2010**, 33, 1264-73	3.4	10
27	Analysis of microRNA and modified oligonucleotides with the use of ultra high performance liquid chromatography coupled with mass spectrometry. *Journal of Chromatography A*, **2018**, 1554, 71-80	4.5	9
26	Development of SPE method for the extraction of phosphorothioate oligonucleotides from serum samples. *Bioanalysis*, **2018**, 10, 1667-1677	2.1	9
25	Improved sample preparation method for fast LC-MS/MS analysis of vitamin D metabolites in serum. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 190, 113529	3.5	8
24	Application of a cholesterol stationary phase in the analysis of phosphorothioate oligonucleotides by means of ion pair chromatography coupled with tandem mass spectrometry. *Talanta*, **2016**, 154, 270-7	6.2	8
23	Application of hydrophilic interaction liquid chromatography coupled with tandem mass spectrometry for the retention and sensitivity studies of antisense oligonucleotides. *Journal of Chromatography A*, **2020**, 1622, 461100	4.5	7
22	Chromatographic determination of hydrophobicity of dialkylimidazolium ionic liquids using selected stationary phase. *Journal of Separation Science*, **2012**, 35, 1123-31	3.4	7
21	Application of Chromatography and Chemometrics to Estimate Lipophilicity of Ionic Liquid Cations. *QSAR and Combinatorial Science*, **2007**, 26, 963-972		7
20	Mobile-phase pH influence on the retention of some benzoic acid derivatives in reversed-phase chromatography. *Journal of Separation Science*, **2006**, 29, 1074-81	3.4	6
19	Application of ion pair chromatography coupled with mass spectrometry to assess antisense oligonucleotides concentrations in living cells. *Analyst, The*, **2019**, 144, 622-633	5	4
18	Analysis of oligonucleotides by liquid chromatography with alkylamide stationary phase. *Open Chemistry*, **2015**, 13,	1.6	4
17	Poly(ionic liquid)s as new adsorbents in dispersive micro-solid-phase extraction of unmodified and modified oligonucleotides. *Talanta*, **2021**, 221, 121662	6.2	4
16	A new approach to preparation of antisense oligonucleotide samples with microextraction by packed sorbent. *Analyst, The*, **2019**, 144, 4622-4632	5	3
15	On-line electrochemistry/electrospray ionization mass spectrometry (EC-ESI-MS) system for the study of nucleosides and nucleotides oxidation products. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 158, 416-424	3.5	3
14	Analysis of normal and modified nucleosides in urine samples by high-performance liquid chromatography with different stationary phases. *Biomedical Chromatography*, **2014**, 28, 1140-6	1.7	3

List of Publications

13	Studying in vitro metabolism of the first and second generation of antisense oligonucleotides with the use of ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 7453-7467	4.4	3
12	Analysis of antisense oligonucleotides with the use of ionic liquids as mobile phase modifiers.. *RSC Advances*, **2019**, 9, 39100-39110	3.7	3
11	Attachment of hybridizable oligonucleotides to a silica support and its application for selective extraction of unmodified and antisense oligonucleotides from serum samples.. *RSC Advances*, **2020**, 10, 16221-16230	3.7	3
10	Hydrophilic interaction in solid-phase extraction of antisense oligonucleotides. *Journal of Chromatographic Science*, **2020**, 58, 383-387	1.4	2
9	Application of Magnetic Nanoparticles Coated with Crosslinked Zwitterionic Poly(ionic liquid)s for the Extraction of Oligonucleotides. *Materials*, **2021**, 14,	3.5	2
8	Evaluation of different biological matrices to assess the vitamin D status in newborns using LC-MS/MS. *Microchemical Journal*, **2021**, 168, 106368	4.8	2
7	Influence of pH on Benzoic Acid Derivatives' Retention and RP HPLC Column Classification. *Journal of Liquid Chromatography and Related Technologies*, **2006**, 29, 2663-2675	1.3	1
6	Ultra-High-Performance Reversed-Phase Liquid Chromatography Hyphenated with ESI-Q-TOF-MS for the Analysis of Unmodified and Antisense Oligonucleotides. *Chromatographia*, **2020**, 83, 349-360	2.1	1
5	Application of Dried Blood Spots and Serum Samples for the Determination of Vitamin D Metabolites in the Group of Healthy Women and with Hashimoto Thyroiditis. *Chromatographia*, **2021**, 84, 695-701	2.1	0
4	Synthesis and application of stationary phase for DNA-affinity chromatographic analysis of unmodified and antisense oligonucleotide. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 5109-5119	4.4	0
3	Analytics of Antisense Oligonucleotides **2022**, 1-22		
2	Application of Electromigration Techniques in Environmental Analysis. *Springer Series in Chemical Physics*, **2013**, 335-353	0.3	
1	Analytics of Antisense Oligonucleotides **2022**, 91-112		