

Paweł, Mateusz Nowak

List of Publications by Year in descending order

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567281

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docs citations

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times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	White Analytical Chemistry: An approach to reconcile the principles of Green Analytical Chemistry and functionality. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 138, 116223.	11.4	290
2	What Color Is Your Method? Adaptation of the RGB Additive Color Model to Analytical Method Evaluation. <i>Analytical Chemistry</i> , 2019, 91, 10343-10352.	6.5	147
3	Application of capillary electrophoresis in determination of acid dissociation constant values. <i>Journal of Chromatography A</i> , 2015, 1377, 1-12.	3.7	62
4	Overview of the three multicriteria approaches applied to a global assessment of analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 133, 116065.	11.4	47
5	Determination of acid dissociation constant of 20 coumarin derivatives by capillary electrophoresis using the amine capillary and two different methodologies. <i>Journal of Chromatography A</i> , 2016, 1446, 149-157.	3.7	34
6	Origin of Remarkably Different Acidity of Hydroxycoumarins – Joint Experimental and Theoretical Studies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4554-4561.	2.6	29
7	Determination of acid dissociation constants of warfarin and hydroxywarfarins by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 112, 89-97.	2.8	28
8	An overview of on-line systems using drug metabolizing enzymes integrated into capillary electrophoresis. <i>Electrophoresis</i> , 2013, 34, 2604-2614.	2.4	26
9	Improving repeatability of capillary electrophoresis – a critical comparison of ten different capillary inner surfaces and three criteria of peak identification. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4383-4393.	3.7	26
10	Simulation of drug metabolism. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 42-49.	11.4	25
11	Analytical aspects of achiral and cyclodextrin-mediated capillary electrophoresis of warfarin and its two main derivatives assisted by theoretical modeling. <i>Journal of Chromatography A</i> , 2015, 1377, 106-113.	3.7	25
12	Modulation of pK_a by cyclodextrins; subtle structural changes induce spectacularly different behaviors. <i>RSC Advances</i> , 2015, 5, 77545-77552.	3.6	19
13	Seven Approaches to Elimination of the Inherent Systematic Errors in Determination of Electrophoretic Mobility by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2017, 89, 3630-3638.	6.5	19
14	Thermodynamics of acid-base dissociation of several cathinones and 1-phenylethylamine, studied by an accurate capillary electrophoresis method free from the Joule heating impact. <i>Journal of Chromatography A</i> , 2018, 1539, 78-86.	3.7	18
15	Simultaneous enantioseparation of methcathinone and two isomeric methylmethcathinones using capillary electrophoresis assisted by 2-hydroxyethyl- β -cyclodextrin. <i>Electrophoresis</i> , 2018, 39, 2406-2409.	2.4	18
16	Fast separation of warfarin and 7-hydroxywarfarin enantiomers by cyclodextrin-assisted capillary electrophoresis. <i>Journal of Separation Science</i> , 2014, 37, 2625-2631.	2.5	17
17	Simultaneous quantification of food colorants and preservatives in sports drinks by the high performance liquid chromatography and capillary electrophoresis methods evaluated using the red-green-blue model. <i>Journal of Chromatography A</i> , 2020, 1620, 460976.	3.7	17
18	Acidity of substituted cathinones studied by capillary electrophoresis using the standard and fast alternative approaches. <i>Talanta</i> , 2018, 180, 193-198.	5.5	15

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19	CE-MS and GC-MS as “Green” and Complementary Methods for the Analysis of Biogenic Amines in Wine. <i>Food Analytical Methods</i> , 2018, 11, 2614-2627.	2.6	14
20	Separation of 20 coumarin derivatives using the capillary electrophoresis method optimized by a series of Doehlert experimental designs. <i>Talanta</i> , 2017, 167, 714-724.	5.5	13
21	Capillary electrophoresis as a tool for a cost-effective assessment of the activity of plant membrane enzyme chlorophyllase. <i>Electrophoresis</i> , 2013, 34, 3341-3344.	2.4	12
22	Enthalpy-entropy relations in the acid-base equilibrium of warfarin and 10-hydroxywarfarin; joint experimental and theoretical studies. <i>RSC Advances</i> , 2015, 5, 74562-74569.	3.6	12
23	Assessment and Comparison of the Overall Analytical Potential of Capillary Electrophoresis and High-Performance Liquid Chromatography Using the RGB Model: How Much Can We Find Out?. <i>Chromatographia</i> , 2020, 83, 1133-1144.	1.3	12
24	Enhancing effectiveness of capillary electrophoresis as an analytical tool in the supramolecular acidity modification. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3633-3643.	3.7	11
25	Separation of iron-free and iron-saturated forms of transferrin and lactoferrin via capillary electrophoresis performed in fused-silica and neutral capillaries. <i>Journal of Chromatography A</i> , 2013, 1321, 127-132.	3.7	10
26	Acidity constant of pH indicators in the supramolecular systems studied by two CE-based methods compared using the RGB additive color model. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 577-588.	3.7	10
27	Selective separation of ferric and non-ferric forms of human transferrin by capillary micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2014, 1341, 73-78.	3.7	9
28	Cyclodextrin-induced acidity modification of substituted cathinones studied by capillary electrophoresis supported by density functional theory calculations. <i>Journal of Chromatography A</i> , 2018, 1580, 142-151.	3.7	9
29	The Acid-Base/Deprotonation Equilibrium Can Be Studied with a MicroScale Thermophoresis (MST). <i>Molecules</i> , 2022, 27, 685.	3.8	9
30	Cyclodextrin-assisted enantioseparation of warfarin and 10-hydroxywarfarin by capillary electrophoresis studied from the analytical and thermodynamic points of view. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 126, 60-65.	2.8	8
31	Capillary coating as an important factor in optimization of the off-line and on-line MEKC assays of the highly hydrophobic enzyme chlorophyllase. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1493-1501.	3.7	7
32	Mn 3+ -saturated bovine lactoferrin as a new complex with potential prebiotic activities for dysbiosis treatment and prevention “ On the synthesis, chemical characterization and origin of biological activity. <i>Journal of Functional Foods</i> , 2017, 38, 264-272.	3.4	7
33	On-line coupling between capillary electrophoresis and microscale thermophoresis (CE-MST); the proof-of-concept. <i>Analyst</i> , The, 2018, 143, 4854-4859.	3.5	7
34	Minimizing the impact of Joule heating as a prerequisite for the reliable analysis of metal-protein complexes by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2017, 1495, 83-87.	3.7	6
35	Flow variation as a factor determining repeatability of the internal standard-based qualitative and quantitative analyses by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2018, 1548, 92-99.	3.7	6
36	Comprehensive Assessment of Flow and Other Analytical Methods Dedicated to the Determination of Zinc in Water. <i>Molecules</i> , 2021, 26, 3914.	3.8	5

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37	A simple method for assessment and minimization of errors in determination of electrophoretic or electroosmotic mobilities and velocities associated with the axial electric field distortion. <i>Electrophoresis</i> , 2015, 36, 2994-3001.	2.4	3
38	A comparative study of various physicochemically modified capillaries used in CE technique for the three distinct analytical purposes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1020, 134-141.	2.3	3
39	A Perspective of the Comprehensive and Objective Assessment of Analytical Methods Including the Greenness and Functionality Criteria: Application to the Determination of Zinc in Aqueous Samples. <i>Frontiers in Chemistry</i> , 2021, 9, 753399.	3.6	3
40	Influence of pH measurement inaccuracy on the values of acidity constant determined on the basis of electrophoretic and thermophoretic data. <i>Microchemical Journal</i> , 2022, 181, 107689.	4.5	3
41	A sustainable approach for the stability study of psychotropic substances using vitreous humor and liver as alternative matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6355-6370.	3.7	2
42	Differentiation of isomeric metabolites of carbamazepine based on acid-base properties; Experimental vs theoretical approach. <i>Journal of Chromatography A</i> , 2021, 1651, 462275.	3.7	1
43	An Automated Hydrodynamically Mediated Technique for Preparation of Calibration Solutions via Capillary Electrophoresis System as a Promising Alternative to Manual Pipetting. <i>Molecules</i> , 2021, 26, 6268.	3.8	1
44	Capillary Electrophoresis and High Performance Liquid Chromatography in the Context of Selected Bioanalytical Applications – a comparison using the RGB Color Model. , 2022, , 863-878.		0