MichaÅ, WoÅºniakiewicz

List of Publications by Year
in descending order

73 papers	1,142 citations	394421 19 h-index	501196 28 g-index
73 all docs	73 docs citations	73 times ranked	1244 citing authors

#	Article	IF	Citations
1	Association between Fecal Short-Chain Fatty Acid Levels, Diet, and Body Mass Index in Patients with Inflammatory Bowel Disease. Biology, 2022, 11, 108.	2.8	12
2	The Acid-Base/Deprotonation Equilibrium Can Be Studied with a MicroScale Thermophoresis (MST). Molecules, 2022, 27, 685.	3.8	9
3	Application of Capillary Electromigration Methods in the Analysis of Textile Dyesâ€"Review. Molecules, 2022, 27, 2767.	3.8	1
4	Influence of pH measurement inaccuracy on the values of acidity constant determined on the basis of electrophoretic and thermophoretic data. Microchemical Journal, 2022, 181, 107689.	4.5	3
5	Insight into the Reaction of Alexidine with Sodium Hypochlorite: A Potential Error in Endodontic Treatment. Molecules, 2021, 26, 1623.	3.8	6
6	Development of CE-C4D Method for Determination Tropane Alkaloids. Molecules, 2021, 26, 5749.	3.8	5
7	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. Frontiers in Chemistry, 2021, 9, 753399.	3.6	3
8	An Automated Hydrodynamically Mediated Technique for Preparation of Calibration Solutions via Capillary Electrophoresis System as a Promising Alternative to Manual Pipetting. Molecules, 2021, 26, 6268.	3.8	1
9	Fecal Levels of Lactic, Succinic and Short-Chain Fatty Acids in Patients with Ulcerative Colitis and Crohn Disease: A Pilot Study. Journal of Clinical Medicine, 2021, 10, 4701.	2.4	17
10	HPLC-DAD method for the quantitative determination of short-chain fatty acids in meconium samples. Microchemical Journal, 2020, 155, 104671.	4.5	11
11	Novel Approach to Sample Preconcentration by Solvent Evaporation in Flow Analysis. Molecules, 2020, 25, 1886.	3.8	6
12	The chemistry and histology of sexually dimorphic mental glands in the freshwater turtle,Mauremys leprosa. PeerJ, 2020, 8, e9047.	2.0	1
13	Differentiation of Solanaceae psychoactive plants based on GC-MS analysis supported by chemometric tools. Microchemical Journal, 2019, 150, 104098.	4.5	10
14	CE-MS and GC-MS as â€œGreenâ€•and Complementary Methods for the Analysis of Biogenic Amines in Wine. Food Analytical Methods, 2018, 11, 2614-2627.	2.6	14
15	Thermodynamics of acid-base dissociation of several cathinones and 1â€phenylethylamine, studied by an accurate capillary electrophoresis method free from the Joule heating impact. Journal of Chromatography A, 2018, 1539, 78-86.	3.7	18
16	Acidity of substituted cathinones studied by capillary electrophoresis using the standard and fast alternative approaches. Talanta, 2018, 180, 193-198.	5.5	15
17	Flow variation as a factor determining repeatability of the internal standard-based qualitative and quantitative analyses by capillary electrophoresis. Journal of Chromatography A, 2018, 1548, 92-99.	3.7	6
18	The increase of detection sensitivity of micellar electrokinetic capillary chromatography method of stamp pad inks components by applying a sample stacking mode for the purpose of questioned document examination. Talanta, 2018, 184, 287-295.	5.5	6

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19	Cyclodextrin-induced acidity modification of substituted cathinones studied by capillary electrophoresis supported by density functional theory calculations. Journal of Chromatography A, 2018, 1580, 142-151.	3.7	9
20	On-line coupling between capillary electrophoresis and microscale thermophoresis (CEâ€“MST); the proof-of-concept. Analyst, The, 2018, 143, 4854-4859.	3.5	7
21	Simultaneous enantioseparation of methcathinone and two isomeric methylmethcathinones using capillary electrophoresis assisted by 2â€hydroxyethylâ€î²â€cyclodextrin. Electrophoresis, 2018, 39, 2406-2409.	2.4	18
22	Seven Approaches to Elimination of the Inherent Systematic Errors in Determination of Electrophoretic Mobility by Capillary Electrophoresis. Analytical Chemistry, 2017, 89, 3630-3638.	6.5	19
23	Separation of 20 coumarin derivatives using the capillary electrophoresis method optimized by a series of Doehlert experimental designs. Talanta, 2017, 167, 714-724.	5.5	13
24	Enhancing effectiveness of capillary electrophoresis as an analytical tool in the supramolecular acidity modification. Analytical and Bioanalytical Chemistry, 2017, 409, 3633-3643.	3.7	11
25	Improving repeatability of capillary electrophoresisâ€”a critical comparison of ten different capillary inner surfaces and three criteria of peak identification. Analytical and Bioanalytical Chemistry, 2017, 409, 4383-4393.	3.7	26
26	Capillary coating as an important factor in optimization of the off-line and on-line MEKC assays of the highly hydrophobic enzyme chlorophyllase. Analytical and Bioanalytical Chemistry, 2017, 409, 1493-1501.	3.7	7
27	Minimizing the impact of Joule heating as a prerequisite for the reliable analysis of metalâ€protein complexes by capillary electrophoresis. Journal of Chromatography A, 2017, 1495, 83-87.	3.7	6
28	Mn 3+ -saturated bovine lactoferrin as a new complex with potential prebiotic activities for dysbiosis treatment and prevention â€“ On the synthesis, chemical characterization and origin of biological activity. Journal of Functional Foods, 2017, 38, 264-272.	3.4	7
29	Determination of acid dissociation constant of 20 coumarin derivatives by capillary electrophoresis using the amine capillary and two different methodologies. Journal of Chromatography A, 2016, 1446, 149-157.	3.7	34
30	Procedure optimization for extracting short-chain fatty acids from human faeces. Journal of Pharmaceutical and Biomedical Analysis, 2016, 124, 337-340.	2.8	19
31	Development of Advance Extraction Methods for the Extraction of Myristicin from Myristica fragrans. Food Analytical Methods, 2016, 9, 1246-1253.	2.6	9
32	A comparative study of various physicochemically modified capillaries used in CE technique for the three distinct analytical purposes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1020, 134-141.	2.3	3
33	Cyclodextrin-assisted enantioseparation of warfarin and 10-hydroxywarfarin by capillary electrophoresis studied from the analytical and thermodynamic points of view. Journal of Pharmaceutical and Biomedical Analysis, 2016, 126, 60-65.	2.8	8
34	Development of a microwave-assisted extraction of atropine and scopolamine from Solanaceae family plants followed by a QuEChERS cleanup procedure. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 538-548.	1.0	12
35	Identification and determination of ergot alkaloids in Morning Glory cultivars. Analytical and Bioanalytical Chemistry, 2016, 408, 3093-3102.	3.7	26
36	n-3 Fatty acids regulate the inflammatory-state related genes in the lung epithelial cells exposed to polycyclic aromatic hydrocarbons. Pharmacological Reports, 2016, 68, 319-328.	3.3	17

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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. Electrophoresis, 2015, 36, 2994-3001.	2.4	3
38	Analytical aspects of achiral and cyclodextrin-mediated capillary electrophoresis of warfarin and its two main derivatives assisted by theoretical modeling. Journal of Chromatography A, 2015, 1377, 106-113.	3.7	25
39	Application of capillary electrophoresis in determination of acid dissociation constant values. Journal of Chromatography A, 2015, 1377, 1-12.	3.7	62
40	A quick method for determination of psychoactive agents in serum and hair by using capillary electrophoresis and mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 177-185.	2.8	17
41	Development of the MAE/UHPLC-MS-TOF method for determination of benzodiazepines in human bio-fluids for toxicological analysis. Journal of Pharmaceutical and Biomedical Analysis, 2015, 108, 97-101.	2.8	13
42	n-3 Fatty acids as resolvents of inflammation in the A549 cells. Pharmacological Reports, 2015, 67, 610-615.	3.3	35
43	Determination of acid dissociation constants of warfarin and hydroxywarfarins by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2015, 112, 89-97.	2.8	28
44	Enthalpyâ€“entropy relations in the acidâ€“base equilibrium of warfarin and 10-hydroxywarfarin; joint experimental and theoretical studies. RSC Advances, 2015, 5, 74562-74569.	3.6	12
45	Modulation of pK_a by cyclodextrins; subtle structural changes induce spectacularly different behaviors. RSC Advances, 2015, 5, 77545-77552.	3.6	19
46	Selective separation of ferric and non-ferric forms of human transferrin by capillary micellar electrokinetic chromatography. Journal of Chromatography A, 2014, 1341, 73-78.	3.7	9
47	Simulation of drug metabolism. TrAC - Trends in Analytical Chemistry, 2014, 59, 42-49.	11.4	25
48	Development of microextraction by packed sorbent for toxicological analysis of tricyclic antidepressant drugs in human oral fluid. Journal of Chromatography A, 2014, 1337, 9-16.	3.7	35
49	Optimization of Conditions for Organic Acid Extraction from Edible Plant Material as Applied to Radish Sprouts. Food Analytical Methods, 2014, 7, 1323-1327.	2.6	11
50	Application of laser induced breakdown spectroscopy to examination of writing inks for forensic purposes. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 118-125.	2.1	36
51	Application of CE-MS to examination of black inkjet printing inks for forensic purposes. Talanta, 2014, 128, 92-101.	5.5	19
52	Fast separation of warfarin and 7â€hydroxywarfarin enantiomers by cyclodextrinâ€assisted capillary electrophoresis. Journal of Separation Science, 2014, 37, 2625-2631.	2.5	17
53	Capillary electrophoresis as a tool for a costâ€effective assessment of the activity of plant membrane enzyme chlorophyllase. Electrophoresis, 2013, 34, 3341-3344.	2.4	12
54	Separation of iron-free and iron-saturated forms of transferrin and lactoferrin via capillary electrophoresis performed in fused-silica and neutral capillaries. Journal of Chromatography A, 2013, 1321, 127-132.	3.7	10

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55	Application of microwave irradiation to fast and efficient isolation of benzodiazepines from human hair. Journal of Chromatography A, 2013, 1278, 22-28.	3.7	24
56	Electrochemical sensor for determination of desipramine in biological material. Sensors and Actuators B: Chemical, 2013, 189, 37-42.	7.8	11
57	An overview of onâ€line systems using drug metabolizing enzymes integrated into capillary electrophoresis. Electrophoresis, 2013, 34, 2604-2614.	2.4	26
58	Identification of lipid derivatives in Hep G2 cells. Acta Biochimica Polonica, 2013, 60, 811-5.	0.5	5
59	Electrochemical Sensor for Determination of Desipramine in Biological Materials. Procedia Engineering, 2012, 47, 1342-1345.	1.2	2
60	Tyrosinase biosensor for benzoic acid inhibition-based determination with the use of a flow-batch monosegmented sequential injection system. Talanta, 2012, 96, 147-152.	5.5	19
61	Examination of black inkjet printing inks by capillary electrophoresis. Talanta, 2012, 96, 236-242.	5.5	16
62	Application of microextraction by packed sorbent to isolation of psychotropic drugs from human serum. Analytical and Bioanalytical Chemistry, 2012, 402, 2249-2257.	3.7	24
63	Evaluation of the potential of surface enhancement Raman spectroscopy for detection of tricyclic psychotropic drugs. Case studies on imipramine and its metabolite. Analyst, The, 2011, 136, 4704.	3.5	18
64	Examination of colour inkjet printing inks by capillary electrophoresis. Talanta, 2011, 84, 1234-1243.	5.5	24
65	Application of capillary electrophoresis to examination of color inkjet printing inks for forensic purposes. Forensic Science International, 2011, 212, 78-85.	2.2	37
66	Microwave-assisted hydrolysis and extraction of tricyclic antidepressants from human hair. Analytical and Bioanalytical Chemistry, 2011, 399, 3233-3240.	3.7	14
67	Extraction of colour inkjet printing inks from printouts for forensic purpose. Acta Chimica Slovenica, 2010, 57, 963-71.	0.6	6
68	Computer analysis of ATR-FTIR spectra of paint samples for forensic purposes. Journal of Molecular Structure, 2009, 924-926, 504-513.	3.6	32
69	Microwave-assisted extraction of tricyclic antidepressants from human serum followed by high performance liquid chromatography determination. Journal of Chromatography A, 2008, 1190, 52-56.	3.7	59
70	Study of SPE Conditions for CE Determination of Tricyclic Antidepressants in Body Fluids. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 185-198.	1.0	7
71	Non-Aqueous CE Screening Method for 14 Psychotropic Drugs in Whole Blood Samples. Chromatographia, 2007, 65, 313-317.	1.3	8
72	Method for Screening and Quantification of Seven Phenothiazines in Whole Blood Samples by Non-Aqueous Capillary Electrophoresis. Chromatographia, 2005, 61, 259-263.	1.3	13

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73	LC and Non-Aqueous CE Determination of Phenothiazines in Autopsy Samples. Chromatographia, 2005, 62, 533-538.	1.3	14