

# Michał Woźniakiewicz

## List of Publications by Year in descending order

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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	Application of capillary electrophoresis in determination of acid dissociation constant values. <i>Journal of Chromatography A</i> , 2015, 1377, 1-12.	3.7	62
2	Microwave-assisted extraction of tricyclic antidepressants from human serum followed by high performance liquid chromatography determination. <i>Journal of Chromatography A</i> , 2008, 1190, 52-56.	3.7	59
3	Application of capillary electrophoresis to examination of color inkjet printing inks for forensic purposes. <i>Forensic Science International</i> , 2011, 212, 78-85.	2.2	37
4	Application of laser induced breakdown spectroscopy to examination of writing inks for forensic purposes. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014, 54, 118-125.	2.1	36
5	Development of microextraction by packed sorbent for toxicological analysis of tricyclic antidepressant drugs in human oral fluid. <i>Journal of Chromatography A</i> , 2014, 1337, 9-16.	3.7	35
6	n-3 Fatty acids as resolvents of inflammation in the A549 cells. <i>Pharmacological Reports</i> , 2015, 67, 610-615.	3.3	35
7	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
8	Computer analysis of ATR-FTIR spectra of paint samples for forensic purposes. <i>Journal of Molecular Structure</i> , 2009, 924-926, 504-513.	3.6	32
9	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
10	An overview of online systems using drug metabolizing enzymes integrated into capillary electrophoresis. <i>Electrophoresis</i> , 2013, 34, 2604-2614.	2.4	26
11	Identification and determination of ergot alkaloids in Morning Glory cultivars. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3093-3102.	3.7	26
12	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
13	Simulation of drug metabolism. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 42-49.	11.4	25
14	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
15	Examination of colour inkjet printing inks by capillary electrophoresis. <i>Talanta</i> , 2011, 84, 1234-1243.	5.5	24
16	Application of microextraction by packed sorbent to isolation of psychotropic drugs from human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2249-2257.	3.7	24
17	Application of microwave irradiation to fast and efficient isolation of benzodiazepines from human hair. <i>Journal of Chromatography A</i> , 2013, 1278, 22-28.	3.7	24
18	Tyrosinase biosensor for benzoic acid inhibition-based determination with the use of a flow-batch monosegmented sequential injection system. <i>Talanta</i> , 2012, 96, 147-152.	5.5	19

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19	Application of CE-MS to examination of black inkjet printing inks for forensic purposes. <i>Talanta</i> , 2014, 128, 92-101.	5.5	19
20	Modulation of pK <sub>a</sub> by cyclodextrins; subtle structural changes induce spectacularly different behaviors. <i>RSC Advances</i> , 2015, 5, 77545-77552.	3.6	19
21	Procedure optimization for extracting short-chain fatty acids from human faeces. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 337-340.	2.8	19
22	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
23	Evaluation of the potential of surface enhancement Raman spectroscopy for detection of tricyclic psychotropic drugs. Case studies on imipramine and its metabolite. <i>Analyst</i> , The, 2011, 136, 4704.	3.5	18
24	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
25	Simultaneous enantioseparation of methcathinone and two isomeric methylmethcathinones using capillary electrophoresis assisted by 2-hydroxyethyl- $\beta$ -cyclodextrin. <i>Electrophoresis</i> , 2018, 39, 2406-2409.	2.4	18
26	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
27	A quick method for determination of psychoactive agents in serum and hair by using capillary electrophoresis and mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 177-185.	2.8	17
28	n-3 Fatty acids regulate the inflammatory-state related genes in the lung epithelial cells exposed to polycyclic aromatic hydrocarbons. <i>Pharmacological Reports</i> , 2016, 68, 319-328.	3.3	17
29	Fecal Levels of Lactic, Succinic and Short-Chain Fatty Acids in Patients with Ulcerative Colitis and Crohn Disease: A Pilot Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 4701.	2.4	17
30	Examination of black inkjet printing inks by capillary electrophoresis. <i>Talanta</i> , 2012, 96, 236-242.	5.5	16
31	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
32	LC and Non-Aqueous CE Determination of Phenothiazines in Autopsy Samples. <i>Chromatographia</i> , 2005, 62, 533-538.	1.3	14
33	Microwave-assisted hydrolysis and extraction of tricyclic antidepressants from human hair. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3233-3240.	3.7	14
34	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
35	Method for Screening and Quantification of Seven Phenothiazines in Whole Blood Samples by Non-Aqueous Capillary Electrophoresis. <i>Chromatographia</i> , 2005, 61, 259-263.	1.3	13
36	Development of the MAE/UHPLC-MS-TOF method for determination of benzodiazepines in human bio-fluids for toxicological analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 108, 97-101.	2.8	13

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37	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
38	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
39	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
40	Development of a microwave-assisted extraction of atropine and scopolamine from Solanaceae family plants followed by a QuEChERS cleanup procedure. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 538-548.	1.0	12
41	Association between Fecal Short-Chain Fatty Acid Levels, Diet, and Body Mass Index in Patients with Inflammatory Bowel Disease. <i>Biology</i> , 2022, 11, 108.	2.8	12
42	Electrochemical sensor for determination of desipramine in biological material. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 37-42.	7.8	11
43	Optimization of Conditions for Organic Acid Extraction from Edible Plant Material as Applied to Radish Sprouts. <i>Food Analytical Methods</i> , 2014, 7, 1323-1327.	2.6	11
44	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
45	HPLC-DAD method for the quantitative determination of short-chain fatty acids in meconium samples. <i>Microchemical Journal</i> , 2020, 155, 104671.	4.5	11
46	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
47	Differentiation of Solanaceae psychoactive plants based on GC-MS analysis supported by chemometric tools. <i>Microchemical Journal</i> , 2019, 150, 104098.	4.5	10
48	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
49	Development of Advance Extraction Methods for the Extraction of Myristicin from Myristica fragrans. <i>Food Analytical Methods</i> , 2016, 9, 1246-1253.	2.6	9
50	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
51	The Acid-Base/Deprotonation Equilibrium Can Be Studied with a MicroScale Thermophoresis (MST). <i>Molecules</i> , 2022, 27, 685.	3.8	9
52	Non-Aqueous CE Screening Method for 14 Psychotropic Drugs in Whole Blood Samples. <i>Chromatographia</i> , 2007, 65, 313-317.	1.3	8
53	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
54	Study of SPE Conditions for CE Determination of Tricyclic Antidepressants in Body Fluids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 185-198.	1.0	7

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55	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
56	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
57	On-line coupling between capillary electrophoresis and microscale thermophoresis (CE–MST); the proof-of-concept. <i>Analyst</i> , 2018, 143, 4854-4859.	3.5	7
58	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
59	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
60	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. <i>Talanta</i> , 2018, 184, 287-295.	5.5	6
61	Novel Approach to Sample Preconcentration by Solvent Evaporation in Flow Analysis. <i>Molecules</i> , 2020, 25, 1886.	3.8	6
62	Insight into the Reaction of Alexidine with Sodium Hypochlorite: A Potential Error in Endodontic Treatment. <i>Molecules</i> , 2021, 26, 1623.	3.8	6
63	Extraction of colour inkjet printing inks from printouts for forensic purpose. <i>Acta Chimica Slovenica</i> , 2010, 57, 963-71.	0.6	6
64	Development of CE-C4D Method for Determination Tropane Alkaloids. <i>Molecules</i> , 2021, 26, 5749.	3.8	5
65	Identification of lipid derivatives in Hep G2 cells. <i>Acta Biochimica Polonica</i> , 2013, 60, 811-5.	0.5	5
66	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
67	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
68	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
69	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
70	Electrochemical Sensor for Determination of Desipramine in Biological Materials. <i>Procedia Engineering</i> , 2012, 47, 1342-1345.	1.2	2
71	The chemistry and histology of sexually dimorphic mental glands in the freshwater turtle, <i>Mauremys leprosa</i> . <i>PeerJ</i> , 2020, 8, e9047.	2.0	1
72	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

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73	Application of Capillary Electromigration Methods in the Analysis of Textile Dyes—Review. <i>Molecules</i> , 2022, 27, 2767.	3.8	1