

Vitezslav Maier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61

papers

946

citations

18

h-index

26

g-index

62

ext. papers

1,026

ext. citations

4.1

avg, IF

4.03

L-index

#	Paper	IF	Citations
61	Acclimations to Cold and Warm Conditions Differently Affect the Energy Metabolism of Diapausing Larvae of the European Corn Borer (Hbn.). <i>Frontiers in Physiology</i> , 2021 , 12, 768593	4.6	0
60	A synergy of liquid chromatography with high-resolution mass spectrometry and coagulation test for determination of direct oral anticoagulants for clinical and toxicological purposes. <i>Biomedical Chromatography</i> , 2021 , 35, e5195	1.7	1
59	Voltammetry of Several Natural and Synthetic Opioids at a Polarized Ionic Liquid Membrane. <i>ChemElectroChem</i> , 2021 , 8, 2519-2525	4.3	0
58	Fatal intoxication by intravenous injection of castor bean (<i>Ricinus communis</i> L.) extract-a case study. <i>International Journal of Legal Medicine</i> , 2020 , 134, 2133-2141	3.1	3
57	N-acetylcysteine dual and antagonistic effect on cadmium cytotoxicity in human leukemia cells. <i>Environmental Toxicology and Pharmacology</i> , 2019 , 71, 103213	5.8	7
56	A direct LA-ICP-MS screening of elemental impurities in pharmaceutical products in compliance with USP and ICH-Q3D. <i>Analytica Chimica Acta</i> , 2019 , 1078, 1-7	6.6	13
55	Simultaneous determination of designer benzodiazepines in human serum using non-aqueous capillary electrophoresis - Tandem mass spectrometry with successive multiple ionic - Polymer layer coated capillary. <i>Talanta</i> , 2018 , 176, 69-76	6.2	17
54	Laser ablation inductively coupled plasma mass spectrometry imaging: A personal identification based on a gunshot residue analysis on latent fingerprints. <i>Analytica Chimica Acta</i> , 2018 , 1030, 25-32	6.6	9
53	Analysis of selected designer benzodiazepines by ultra high performance liquid chromatography with high-resolution time-of-flight mass spectrometry and the estimation of their partition coefficients by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2017 , 40, 2037-2044	3.4	16
52	Pre-caecal digestible phosphorus in maize and wheat for broiler chickens. <i>British Poultry Science</i> , 2017 , 58, 712-717	1.9	1
51	Analysis of Amphetamine-Derived Designer Drugs by Gas Chromatography with Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2016 , 40, 78-85	2.9	8
50	Development of separation methods for the chiral resolution of hexahelicenes. <i>Journal of Chromatography A</i> , 2016 , 1476, 130-134	4.5	11
49	Enantioseparation of d,l-2-hydroxyglutaric acid by capillary electrophoresis with tandem mass spectrometry-Fast and efficient tool for d- and l-2-hydroxyglutaracidurias diagnosis. <i>Journal of Chromatography A</i> , 2016 , 1467, 383-390	4.5	12
48	The use of PAMAM dendrimers as a dynamic coating for cyclodextrin mediated enantioseparation of selected basic drugs. <i>Analytical Methods</i> , 2016 , 8, 1968-1972	3.2	4
47	Determination of selected synthetic cannabinoids and their metabolites by micellar electrokinetic chromatography--mass spectrometry employing perfluoroheptanoic acid-based micellar phase. <i>Talanta</i> , 2016 , 150, 568-76	6.2	6
46	The empirical comparison of cyclofructans and cyclodextrins as chiral selectors in capillary electrophoretic separation of atropisomers of R,S-1,1'-binaphthalene-2,2'-diyl hydrogen phosphate. <i>Journal of Separation Science</i> , 2016 , 39, 973-9	3.4	9
45	Novel cationic coating agent for protein separation by capillary electrophoresis. <i>Journal of Separation Science</i> , 2016 , 39, 2406-12	3.4	15

44	Determination and identification of synthetic cannabinoids and their metabolites in different matrices by modern analytical techniques - a review. <i>Analytica Chimica Acta</i> , 2015 , 874, 11-25	6.6	63
43	A supercritical fluid chromatography method for the systematic toxicology analysis of cannabinoids and their metabolites. <i>Analytical Methods</i> , 2015 , 7, 6056-6059	3.2	12
42	Enantiomeric separation of tapentadol by capillary electrophoresis--study of chiral selectivity manipulation by various types of cyclodextrins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 105, 10-16	3.5	23
41	Contribution of Methane Benthic and Atmospheric Fluxes of an Experimental Area (Sitka Stream). <i>Clean - Soil, Air, Water</i> , 2015 , 43, 1136-1142	1.6	8
40	Enantiomeric separation of 1,3-dimethylamylamine by capillary electrophoresis with indirect UV detection using a dual-selector system. <i>Electrophoresis</i> , 2015 , 36, 2866-73	3.6	8
39	Determination of mushroom toxins ibotenic acid, muscimol and muscarine by capillary electrophoresis coupled with electrospray tandem mass spectrometry. <i>Talanta</i> , 2014 , 125, 242-7	6.2	25
38	Analysis of lysozyme in cheese samples by on-line combination of capillary zone electrophoresis and mass spectrometry. <i>Food Chemistry</i> , 2014 , 153, 398-404	8.5	23
37	Isopropyl derivative of cyclofructan 6 as chiral selector in liquid chromatography and capillary electrophoresis. <i>Journal of Chromatography A</i> , 2014 , 1338, 197-200	4.5	20
36	Solid-phase synthesis of 5-noranagrelide derivatives. <i>ACS Combinatorial Science</i> , 2014 , 16, 33-8	3.9	11
35	Utilization of micellar electrokinetic chromatography-tandem mass spectrometry employed volatile micellar phase in the analysis of cathinone designer drugs. <i>Journal of Chromatography A</i> , 2014 , 1356, 258-65	4.5	17
34	Enantiomeric separation of R,S-tolterodine and R,S-methoxytolterodine with negatively charged cyclodextrins by capillary electrophoresis. <i>Journal of Separation Science</i> , 2013 , 36, 1561-7	3.4	17
33	Enantioseparation of tartaric acid by ligand-exchange capillary electrophoresis using contactless conductivity detection. <i>Journal of Separation Science</i> , 2013 , 36, 3426-31	3.4	13
32	Electrochemical Oxidation of Tolterodine. <i>Electroanalysis</i> , 2013 , 25, 205-212	3	8
31	Separation of ketoprofen enantiomers at nanomolar concentration levels by micellar electrokinetic chromatography with on-line electrokinetic preconcentration. <i>Open Chemistry</i> , 2013 , 11, 335-340	1.6	4
30	Analysis of microorganisms by capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 31, 9-22	14.6	38
29	Determination of selected biogenic amines in red wines by automated on-line combination of capillary isotachopheresis-capillary zone electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 904, 135-9	3.2	30
28	Electrochemical oxidation of berberine and mass spectrometric identification of its oxidation products. <i>Bioelectrochemistry</i> , 2012 , 87, 15-20	5.6	14
27	Analysis of cytokinin nucleotides by capillary zone electrophoresis with diode array and mass spectrometric detection in a recombinant enzyme in vitro reaction. <i>Analytica Chimica Acta</i> , 2012 , 751, 176-81	6.6	7

26	On-line preconcentration of perfluorooctanoic acid and perfluorooctanesulfonic acid by nonaqueous capillary electrophoresis. <i>Electrophoresis</i> , 2012 , 33, 2159-66	3.6	20
25	Study on the use of boromycin as a chiral selector in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2012 , 1237, 128-32	4.5	29
24	How to Preserve Documents: A Short Meditation on Three Themes. <i>Challenges</i> , 2011 , 2, 37-42	3.4	
23	MEKC Determination of Nilutamide in Human Serum Using Sweeping in High Salt Sample Matrix. <i>Chromatographia</i> , 2011 , 74, 151-155	2.1	16
22	Determination of rosiglitazone and metformin in human serum by CE-ESI-MS. <i>Journal of Separation Science</i> , 2011 , 34, 1167-73	3.4	12
21	Preparative isotachopheresis with surface enhanced Raman scattering as a promising tool for clinical samples analysis. <i>Journal of Chromatography A</i> , 2011 , 1218, 205-10	4.5	10
20	Long-term effects of three commercial cranberry products on the antioxidative status in rats: a pilot study. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 1672-8	5.7	25
19	A fast determination of yohimbine in pharmaceuticals by micellar electrokinetic chromatography. <i>Open Chemistry</i> , 2010 , 8, 273-277	1.6	3
18	Analysis of buserelin in urine by online combination of capillary zone electrophoresis with electrospray mass spectrometry. <i>Electrophoresis</i> , 2010 , 31, 1234-40	3.6	11
17	Study of electromigration effects on a pH boundary during the on-line electrokinetic preconcentration by capillary electrophoresis. <i>Electrophoresis</i> , 2010 , 31, 2771-7	3.6	12
16	Electrochemical characterization of repaglinide and its determination in human plasma using liquid chromatography with dual-channel coulometric detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 3243-8	3.2	7
15	Determination of brominated phenols in water samples by on-line coupled isotachopheresis with capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2010 , 1217, 3446-51	4.5	14
14	Assessment of CE for the identification of microorganisms. <i>Electrophoresis</i> , 2009 , 30, 444-9	3.6	13
13	On-line combination of CE and microscopy: an insight into the migration of microorganisms. <i>Electrophoresis</i> , 2009 , 30, 3863-9	3.6	13
12	Determination of antihyperglycemic drugs in nanomolar concentration levels by micellar electrokinetic chromatography with non-ionic surfactant. <i>Journal of Chromatography A</i> , 2009 , 1216, 4492-8	4.5	16
11	Determination of some phenolic acids in <i>Majorana hortensis</i> by capillary electrophoresis with online electrokinetic preconcentration. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 3940-4	5.7	21
10	Dynamic Coating Agents in CE. <i>Chromatographia</i> , 2008 , 67, 5-12	2.1	56
9	Capillary electrophoretic method for nucleotide analysis in cells: application on inherited metabolic disorders. <i>Electrophoresis</i> , 2007 , 28, 373-80	3.6	23

8	Electrokinetic partial filling technique as a powerful tool for enantiomeric separation of DL-lactic acid by CE with contactless conductivity detection. <i>Electrophoresis</i> , 2007 , 28, 1815-22	3.6	23
7	On-line preconcentration of weak electrolytes by electrokinetic accumulation in CE: experiment and simulation. <i>Electrophoresis</i> , 2007 , 28, 1540-7	3.6	33
6	Combination of large volume sample stacking and dynamic pH junction for on-line preconcentration of weak electrolytes by capillary electrophoresis in comparison with isotachophoretic techniques. <i>Journal of Chromatography A</i> , 2007 , 1155, 193-8	4.5	29
5	Capillary electrophoresis as a verification tool for immunochemical drug screening. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2007 , 151, 31-6	1.7	5
4	Simultaneous contactless conductivity detection and UV detection for the study of separation of tamsulosin enantiomers in discontinuous electrolyte systems by CE. <i>Electrophoresis</i> , 2006 , 27, 4735-45	3.6	15
3	Capillary isotachophoresis from the student point of view--images and the reality. <i>Journal of Separation Science</i> , 2006 , 29, 2705-15	3.4	17
2	Using of S-(-)-2-hydroxymethyl-1,1-dimethylpyrrolidinium tetrafluoroborate as additive to the background electrolyte in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2006 , 1103, 337-43	4.5	24
1	Chiral separation of tamsulosin by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 39, 691-6	3.5	26