

# Michal J Markuszewski

## List of Publications by Citations

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140  
papers

2,881  
citations

31  
h-index

48  
g-index

146  
ext. papers

3,289  
ext. citations

3.9  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
140	Molecular mechanism of retention in reversed-phase high-performance liquid chromatography and classification of modern stationary phases by using quantitative structure-retention relationships. <i>Journal of Chromatography A</i> , <b>1999</b> , 855, 455-86	4.5	181
139	Metabolomics for laboratory diagnostics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 113, 108-20	3.5	159
138	Suppression of deleterious effects of free silanols in liquid chromatography by imidazolium tetrafluoroborate ionic liquids. <i>Journal of Chromatography A</i> , <b>2004</b> , 1030, 263-71	4.5	153
137	Chemically Bonded Silica Stationary Phases: Synthesis, Physicochemical Characterization, and Molecular Mechanism of Reversed-Phase HPLC Retention. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 3277-3284	7.8	93
136	Urine metabolic fingerprinting using LC-MS and GC-MS reveals metabolite changes in prostate cancer: A pilot study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 111, 351-61	3.5	79
135	Determination of pKa by pH gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 3069-77	7.8	79
134	Picomolar analysis of flavins in biological samples by dynamic pH junction-sweeping capillary electrophoresis with laser-induced fluorescence detection. <i>Analytical Biochemistry</i> , <b>2003</b> , 313, 89-96	3.1	72
133	Determination of pyridine and adenine nucleotide metabolites in <i>Bacillus subtilis</i> cell extract by sweeping borate complexation capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2003</b> , 989, 293-301	4.5	65
132	Brain/blood distribution described by a combination of partition coefficient and molecular mass. <i>International Journal of Pharmaceutics</i> , <b>1996</b> , 145, 9-16	6.5	57
131	Metabolomics in cardiovascular diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 113, 121-36	3.5	55
130	Liquid chromatography tandem mass spectrometry study of urinary nucleosides as potential cancer markers. <i>Journal of Chromatography A</i> , <b>2013</b> , 1283, 122-31	4.5	55
129	Capillary electrophoretic separation of cationic constituents of imidazolium ionic liquids. <i>Electrophoresis</i> , <b>2004</b> , 25, 3450-4	3.6	54
128	pH gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 749-60	7.8	53
127	Development and validation of urinary nucleosides and creatinine assay by capillary electrophoresis with solid phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 44, 1118-26	3.5	50
126	Capillary electrophoretic techniques toward the metabolome analysis. <i>Pure and Applied Chemistry</i> , <b>2001</b> , 73, 1563-1572	2.1	49
125	Separation of nicotinic acid and its structural isomers using 1-ethyl-3-methylimidazolium ionic liquid as a buffer additive by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 41, 329-32	3.5	48
124	Altered levels of nucleoside metabolite profiles in urogenital tract cancer measured by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 1305-12	3.5	42

123	pH/organic solvent double-gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 449-58	7.8	42
122	Thin layer chromatography in drug discovery process. <i>Journal of Chromatography A</i> , <b>2017</b> , 1520, 9-22	4.5	41
121	pH gradient high-performance liquid chromatography: theory and applications. <i>Journal of Chromatography A</i> , <b>2004</b> , 1060, 165-75	4.5	39
120	Quantitative structure-retention relationships in affinity high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2002</b> , 768, 55-66 <sup>3,2</sup>		39
119	Identification of organic acids as potential biomarkers in the urine of autistic children using gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 966, 70-6	3.2	37
118	Polyfunctional chemically bonded stationary phase for reversed phase high-performance liquid chromatography. <i>Chromatographia</i> , <b>1998</b> , 48, 615-622	2.1	37
117	Linear and Quadratic Relationships between Retention and Organic Modifier Content in Eluent in Reversed Phase High-Performance Liquid Chromatography: A Systematic Comparative Statistical Study. <i>Journal of High Resolution Chromatography</i> , <b>2000</b> , 23, 667-676		37
116	The state-of-the-art determination of urinary nucleosides using chromatographic techniques "hyphenated" with advanced bioinformatic methods. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 2039-50	4.4	36
115	Analysis of carboxylic acid metabolites from the tricarboxylic acid cycle in <i>Bacillus subtilis</i> cell extract by capillary electrophoresis using an indirect photometric detection method. <i>Journal of Chromatography A</i> , <b>2003</b> , 1010, 113-21	4.5	36
114	Design of Experiments in metabolomics-related studies: An overview. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 164, 598-606	3.5	36
113	New approaches to chromatographic determination of lipophilicity of xenobiotics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 803-11	4.4	35
112	Metabolic profiling of pteridines for determination of potential biomarkers in cancer diseases. <i>Electrophoresis</i> , <b>2011</b> , 32, 2044-54	3.6	33
111	Least absolute shrinkage and selection operator and dimensionality reduction techniques in quantitative structure retention relationship modeling of retention in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , <b>2015</b> , 1403, 54-62	4.5	32
110	Roxithromycin-loaded lipid nanoparticles for follicular targeting. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 495, 807-15	6.5	31
109	Blood-brain barrier permeability mechanisms in view of quantitative structure-activity relationships (QSAR). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 108, 29-37	3.5	31
108	Metabolomic approach for determination of urinary nucleosides as potential tumor markers using electromigration techniques. <i>Electrophoresis</i> , <b>2010</b> , 31, 2300-10	3.6	30
107	Ultra-high performance liquid chromatographic determination of levofloxacin in human plasma and prostate tissue with use of experimental design optimization procedures. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1029-1030, 48-59	3.2	30
106	New plasma preparation approach to enrich metabolome coverage in untargeted metabolomics: plasma protein bound hydrophobic metabolite release with proteinase K. <i>Scientific Reports</i> , <b>2018</b> , 8, 9541 <sup>4,9</sup>		30

105	Robust HPLC-MS/MS method for levofloxacin and ciprofloxacin determination in human prostate tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 132, 173-183	3.5	29
104	Sample preparation procedures utilized in microbial metabolomics: An overview. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1043, 150-157	3.2	29
103	The application of gradient reversed-phase high-performance liquid chromatography to the pK(a) and log k(w) determination of polyprotic analytes. <i>Journal of Chromatography A</i> , <b>2008</b> , 1214, 109-14	4.5	28
102	New Biochemical Insights into the Mechanisms of Pulmonary Arterial Hypertension in Humans. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160505	3.7	27
101	Evaluation of different warping methods for the analysis of CE profiles of urinary nucleosides. <i>Electrophoresis</i> , <b>2007</b> , 28, 2861-73	3.6	26
100	Increasing conclusiveness of metabolomic studies by chem-informatic preprocessing of capillary electrophoretic data on urinary nucleoside profiles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 43, 413-20	3.5	26
99	Multidimensional capillary electrophoresis. <i>Electrophoresis</i> , <b>2015</b> , 36, 135-43	3.6	24
98	Determination of pterins in urine by HPLC with UV and fluorescent detection using different types of chromatographic stationary phases (HILIC, RP C8, RP C18). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 91, 37-45	3.5	24
97	PLS-Based and Regularization-Based Methods for the Selection of Relevant Variables in Non-targeted Metabolomics Data. <i>Frontiers in Molecular Biosciences</i> , <b>2016</b> , 3, 35	5.6	23
96	Free silanols and ionic liquids as their suppressors in liquid chromatography. <i>Journal of Chromatography A</i> , <b>2018</b> , 1559, 17-43	4.5	22
95	The simultaneous determination of hydrophobicity and dissociation constant by liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 94, 180-7	3.5	22
94	Analysis of urinary nucleosides as potential cancer markers determined using LC-MS technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 101, 50-7	3.5	22
93	HPLC-MS/MS method for dexmedetomidine quantification with Design of Experiments approach: application to pediatric pharmacokinetic study. <i>Bioanalysis</i> , <b>2017</b> , 9, 395-406	2.1	20
92	Combined computational-experimental approach to predict blood-brain barrier (BBB) permeation based on "green" salting-out thin layer chromatography supported by simple molecular descriptors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 143, 214-221	3.5	20
91	Human red blood cells targeted metabolome analysis of glycolysis cycle metabolites by capillary electrophoresis using an indirect photometric detection method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 39, 636-42	3.5	20
90	Metabolomic Insight into Polycystic Ovary Syndrome-An Overview. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	19
89	Targeted metabolomics in bladder cancer: From analytical methods development and validation towards application to clinical samples. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1037, 188-199	6.6	18
88	Three-step stacking by field-enhanced sample injection, sweeping, and micelle to solvent stacking in capillary electrophoresis: Anionic analytes. <i>Journal of Chromatography A</i> , <b>2016</b> , 1442, 140-3	4.5	17

87	Three-step stacking of cationic analytes by field-enhanced sample injection, sweeping, and micelle to solvent stacking in capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2015</b> , 1424, 111-7	4.5	17
86	Combined pH/organic solvent gradient HPLC in analysis of forensic material. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 871-5	3.5	17
85	The study of salting-out thin-layer chromatography and their application on QSRR/QSAR of some macrolide antibiotics. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 301-310	1.4	13
84	Steroid profiles as potential biomarkers in patients with urogenital tract cancer for diagnostic investigations analyzed by liquid chromatography coupled to mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 73, 108-15	3.5	13
83	Sample Concentration of Charged Small Molecules and Peptides in Capillary Electrophoresis by Micelle to Cyclodextrin Stacking. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 13422-13428	7.8	13
82	Comparison of RP-HPLC columns used for determination of nucleoside metabolic patterns in urine of cancer patients. <i>Bioanalysis</i> , <b>2012</b> , 4, 1185-94	2.1	13
81	Chromatographic behaviour of ionic liquid cations in view of quantitative structure-retention relationship. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 1305-12	4.5	13
80	High-throughput evaluation of lipophilicity and acidity by new gradient HPLC methods. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2004</b> , 7, 281-9	1.3	13
79	Identification of the metabolic fingerprints in women with polycystic ovary syndrome using the multiplatform metabolomics technique. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2019</b> , 186, 176-184	5.1	13
78	Determination of amino acids in urine of patients with prostate cancer and benign prostate growth. <i>European Journal of Cancer Prevention</i> , <b>2017</b> , 26, 131-134	2	12
77	Simultaneous determination of creatinine and acetate by capillary electrophoresis with contactless conductivity detector as a feasible approach for urinary tract infection diagnosis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 137, 178-181	3.5	12
76	Different detection and stacking techniques in capillary electrophoresis for metabolomics. <i>Analytical Methods</i> , <b>2016</b> , 8, 1216-1221	3.2	12
75	Selective determination of cocaine and its metabolite benzoylecgonine in environmental samples by newly developed sorbent materials. <i>Talanta</i> , <b>2016</b> , 146, 401-9	6.2	12
74	New supervised alignment method as a preprocessing tool for chromatographic data in metabolomic studies. <i>Journal of Chromatography A</i> , <b>2012</b> , 1256, 150-9	4.5	12
73	Metabolomics in urogenital cancer. <i>Bioanalysis</i> , <b>2011</b> , 3, 913-23	2.1	12
72	Riboflavin binding protein-Chiral stationary phase: Investigation of retention mechanism. <i>Chromatographia</i> , <b>2002</b> , 55, 651-658	2.1	12
71	Urinary metabolomic signature of muscle-invasive bladder cancer: A multiplatform approach. <i>Talanta</i> , <b>2019</b> , 202, 572-579	6.2	11
70	A comparative quantitative structure-retention relationships study for lipophilicity determination of compounds with a phenanthrene skeleton on cyano-, reversed phase-, and normal phase-thin layer chromatography stationary phases. <i>Journal of AOAC INTERNATIONAL</i> , <b>2015</b> , 98, 345-53	1.7	11

69	Quantitative structure-retention relationships of ionic liquid cations in characterization of stationary phases for HPLC. <i>Analytical Methods</i> , <b>2014</b> , 6, 1189	3.2	11
68	Efficient recovery of electrophoretic profiles of nucleoside metabolites from urine samples by multivariate curve resolution. <i>Electrophoresis</i> , <b>2009</b> , 30, 3573-81	3.6	11
67	Lipidomics as a Diagnostic Tool for Prostate Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	11
66	Separation of nitroaromatics and their transformation products in soil around ammunition plants: New high performance liquid chromatographic charge transfer stationary phases. <i>Chemosphere</i> , <b>1998</b> , 37, 559-575	8.4	10
65	Ethylcellulose in Organic Solution or Aqueous Dispersion Form in Designing Taste-Masked Microparticles by the Spray Drying Technique with a Model Bitter Drug: Rupaadine Fumarate. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
64	The Characterization of Ground Raspberry Seeds and the Physiological Response to Supplementation in Hypertensive and Normotensive Rats. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	8
63	Metabolomic Heterogeneity of Urogenital Tract Cancers Analyzed by Complementary Chromatographic Techniques Coupled with Mass Spectrometry. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 216-231	4.3	8
62	Development and validation of UHPLC method for the determination of cyclosporine A in biological samples. <i>Biomedical Chromatography</i> , <b>2014</b> , 28, 802-9	1.7	8
61	Thermodynamic vs. extrathermodynamic modeling of chromatographic retention. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 5120-30	4.5	8
60	Comparative study of surface topography of high performance liquid chromatography columns in terms of hydrophobicity. <i>Chromatographia</i> , <b>2000</b> , 51, 111-118	2.1	8
59	Application of multivariate mathematical-statistical methods to compare reversed-phase thin-layer and liquid chromatographic behaviour of tetrazolium salts in Quantitative Structure-Retention Relationships (QSRR) studies. <i>Analisis - European Journal of Analytical Chemistry</i> , <b>1998</b> , 26, 400-406		8
58	Determination of Urinary Pterins by Capillary Electrophoresis Coupled with LED-Induced Fluorescence Detector. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
57	Multiplatform metabolomics provides insight into the molecular basis of chronic kidney disease. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2019</b> , 1117, 49-57	3.2	7
56	Metabolomic Signature of Early Vascular Aging (EVA) in Hypertension. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 12	5.6	7
55	Paraffin-Embedded Tissue as a Novel Matrix in Metabolomics Study: Optimization of Metabolite Extraction Method. <i>Chromatographia</i> , <b>2019</b> , 82, 1501-1513	2.1	7
54	Metabolic Evaluation of Urine from Patients Diagnosed with High Grade (HG) Bladder Cancer by SPME-LC-MS Method. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
53	Perspectives and challenges in extracellular vesicles untargeted metabolomics analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116382	14.6	7
52	Multilevel pharmacokinetics-driven modeling of metabolomics data. <i>Metabolomics</i> , <b>2017</b> , 13, 31	4.7	6



51	Evaluation of sample injection precision in respect to sensitivity in capillary electrophoresis using various injection modes. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 1167-1175	3.4	6
50	New sorbent materials for selective extraction of cocaine and benzoylecgonine from human urine samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 120, 397-401	3.5	6
49	Bayesian multilevel model of micro RNA levels in ovarian-cancer and healthy subjects. <i>PLoS ONE</i> , <b>2019</b> , 14, e0221764	3.7	6
48	Identification of lipid fraction constituents from grasshopper ( <i>Chorthippus</i> spp.) abdominal secretion with potential activity in wound healing with the use of GC-MS/MS technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 89, 56-66	3.5	6
47	Overactive bladder treatment: application of methylene blue to improve the injection technique of onabotulinum toxin A. <i>Scandinavian Journal of Urology</i> , <b>2017</b> , 51, 474-478	1.6	6
46	Artificial neural networks for prediction of antibacterial activity in series of imidazole derivatives. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2004</b> , 7, 327-36	1.3	6
45	The metabolic profiles of pterin compounds as potential biomarkers of bladder cancer-Integration of analytical-based approach with biostatistical methodology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 127, 256-62	3.5	5
44	Could spray-dried microbeads with chitosan glutamate be considered as promising vaginal microbicide carriers? The effect of process variables on the in vitro functional and physicochemical characteristics. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 568, 118558	6.5	5
43	Disposition of drugs of abuse and their metabolites in wastewater as a method of the estimation of drug consumption. <i>Current Drug Metabolism</i> , <b>2010</b> , 11, 629-38	3.5	5
42	Nanostructured Lipid Carriers Engineered as Topical Delivery of Etodolac: Optimization and Cytotoxicity Studies. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
41	Ocular irritation and cyclosporine A distribution in the eye tissues after administration of Solid Lipid Microparticles in the rabbit model. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 121, 95-105	5.1	5
40	Statistical-based approach in potential diagnostic application of urinary nucleosides in urogenital tract cancer. <i>Biomarkers in Medicine</i> , <b>2015</b> , 9, 577-95	2.3	4
39	Urinary Nucleosides and Deoxynucleosides. <i>Advances in Clinical Chemistry</i> , <b>2018</b> , 83, 1-51	5.8	4
38	Untargeted Metabolomics Provides Insight into the Mechanisms Underlying Resistant Hypertension. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 232-243	4.3	4
37	The osteopontin tissue level as a breast cancer biomarker in females after mastectomy measured by the capillary gel electrophoresis technique. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2013</b> , 16, 331-8	1.3	4
36	Sweeping of hydrophobic amines under inhomogeneous electric field and low surfactant concentration in micellar electrokinetic chromatography. <i>Electrophoresis</i> , <b>2016</b> , 37, 1161-5	3.6	4
35	Determination of tocopherols and tocotrienols in human breast adipose tissue with the use of high performance liquid chromatography-fluorescence detection. <i>Biomedical Chromatography</i> , <b>2018</b> , 32, e43617	1.7	3
34	The Application of Metabolomics in Forensic Science with Focus on Forensic Toxicology and Time-of-Death Estimation.. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	3

33	Volatile organic compounds in gastrointestinal stromal tumour tissue originating from patient-derived xenografts. <i>Journal of Breath Research</i> , <b>2017</b> , 11, 037101	3.1	2
32	Migration time shift of analytes in micellar electrokinetic chromatography induced by stacking. <i>Electrophoresis</i> , <b>2017</b> , 38, 1730-1735	3.6	2
31	Ionization of tocopherols and tocotrienols in atmospheric pressure chemical ionization. <i>Rapid Communications in Mass Spectrometry</i> , <b>2018</b> , 32, 919-927	2.2	2
30	Study of the chromatographic behavior of selected steroid hormones on aluminum oxide plates based on quantitative structure-retention relationships. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2016</b> , 29, 113-120	0.9	2
29	Quantitative structure-retention relationships of some steroid and phenanthrene derivatives on cyano-, reversed-phase, and normal-phase thin-layer chromatography stationary phases. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2016</b> , 29, 165-175	0.9	2
28	GC-MS-based untargeted metabolomics of plasma and urine to evaluate metabolic changes in prostate cancer. <i>Journal of Breath Research</i> , <b>2020</b> , 14, 047103	3.1	2
27	An Overview of the Application of Systems Biology in an Understanding of Chronic Rhinosinusitis (CRS) Development. <i>Journal of Personalized Medicine</i> , <b>2020</b> , 10,	3.6	2
26	The potential role of fatty acids in prostate cancer determined by GC-MS analysis of formalin-fixed paraffin-embedded tissue samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 196, 113907-113915	3.5	2
25	How to model temporal changes in nontargeted metabolomics study? A Bayesian multilevel perspective. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 4667-4676	3.4	1
24	The Correlation between Physical Crosslinking and Water-Soluble Drug Release from Chitosan-Based Microparticles. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	1
23	Advanced assessment of the endogenous hormone level as a potential biomarker of the urogenital tract cancer. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2013</b> , 16, 463-72	1.3	1
22	Effects of perineural administration of ropivacaine combined with perineural or intravenous administration of dexmedetomidine for sciatic and saphenous nerve blocks in dogs. <i>American Journal of Veterinary Research</i> , <b>2021</b> , 82, 449-458	1.1	1
21	Utilizing Genome-Wide mRNA Profiling to Identify the Cytotoxic Chemotherapeutic Mechanism of Triazoloacridone C-1305 as Direct Microtubule Stabilization. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
20	Nineteenth International Symposium on Pharmaceutical and Biomedical Analysis. Preface. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 549	3.5	0
19	Development and optimization of modified nucleosides and deoxynucleosides simultaneous extraction with the use of Design of Experiments approach. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 21, 100439	3.9	0
18	Comprehensive Metabolic Signature of Renal Dysplasia in Children. A Multiplatform Metabolomics Concept. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 665661	5.6	0
17	Untargeted Metabolomics Study of Three Matrices: Seminal Fluid, Urine, and Serum to Search the Potential Indicators of Prostate Cancer.. <i>Frontiers in Molecular Biosciences</i> , <b>2022</b> , 9, 849966	5.6	0
16	New Materials Applied for the Stationary Phases in View of the Optimized HPLC and UHPLC Column Classification System Used in the Pharmaceutical Analysis. <i>Advanced Materials Research</i> , <b>2015</b> , 1120-1121, 1404-1412	0.5	



- 15 In honor of the 70th birthday of Professor Roman Kaliszan. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 127, 1-2 3.5
- 14 Application of Trace Analysis for Medical Diagnosis and Monitoring of Selected Drugs **2016**, 241-280
- 13 Stacking and Multidimensional Techniques for Capillary Electromigration Methods **2018**, 313-334
- 12 Chemistry of Drugs and Its Influence on Retention. *Chromatographic Science*, **2013**, 7-22
- 11 Analysis of Endogenous Metabolites in Human Matrices **2022**, 1-23
- 10 Quality by Design in Bioanalytics **2022**, 1-13
- 9 Evaluation of robustness in untargeted metabolomics: Application of multivariate analysis, linear regression and hierarchical modeling. *Journal of Chromatography Open*, **2022**, 2, 100035
- 8 Choice of the Mode of Analytical (Chromatographic) Method for the Analysis of Xenobiotics and Unknown Compounds on the Basis of the Properties of Analytes **2018**, 13-26
- 7 Quantitative Structure-Retention Relationships in Studies of Monolithic Materials 157-172
- 6 Application of Electromigration Techniques: Metabolomics Determination of Potential Biomarkers Using Electromigration Techniques. *Springer Series in Chemical Physics*, **2013**, 271-285 0.3
- 5 Proof-of-concept study on improved efficacy of rHuEPO administered as a long-term infusion in rats. *Pharmacological Reports*, **2020**, 72, 1264-1270 3.9
- 4 Multidimensional Capillary Electrophoresis **2016**, 1-17
- 3 Binding indocyanine green to human serum albumin potentially enhances the detection of sentinel lymph nodes. An initial step for facilitating the detection of first-station nodes in penile and other urological cancers.. *Archives of Medical Science*, **2022**, 18, 719-725 2.9
- 2 Quality by Design in Bioanalytics **2022**, 667-678
- 1 Analysis of Endogenous Metabolites in Human Matrices **2022**, 67-89