

# Michal J Markuszewski

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7739297/michal-j-markuszewski-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Analysis of Endogenous Metabolites in Human Matrices <b>2022</b> , 1-23		
139	Quality by Design in Bioanalytics <b>2022</b> , 1-13		
138	Evaluation of robustness in untargeted metabolomics: Application of multivariate analysis, linear regression and hierarchical modeling. <i>Journal of Chromatography Open</i> , <b>2022</b> , 2, 100035		
137	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.. <i>Archives of Medical Science</i> , <b>2022</b> , 18, 719-725	2.9	
136	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
135	Quality by Design in Bioanalytics <b>2022</b> , 667-678		
134	Analysis of Endogenous Metabolites in Human Matrices <b>2022</b> , 67-89		
133	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
132	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	7.5	2
131	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
130	Lipidomics as a Diagnostic Tool for Prostate Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	11
129	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
128	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
127	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
126	Nanostructured Lipid Carriers Engineered as Topical Delivery of Etodolac: Optimization and Cytotoxicity Studies. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
125	Perspectives and challenges in extracellular vesicles untargeted metabolomics analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116382	14.6	7
124	The Correlation between Physical Crosslinking and Water-Soluble Drug Release from Chitosan-Based Microparticles. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	1

123	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
122	Metabolomic Signature of Early Vascular Aging (EVA) in Hypertension. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 12	5.6	7
121	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
120	Metabolomic Insight into Polycystic Ovary Syndrome-An Overview. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	19
119	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
118	Proof-of-concept study on improved efficacy of rHuEPO administered as a long-term infusion in rats. <i>Pharmacological Reports</i> , <b>2020</b> , 72, 1264-1270	3.9	
117	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
116	Urinary metabolomic signature of muscle-invasive bladder cancer: A multiplatform approach. <i>Talanta</i> , <b>2019</b> , 202, 572-579	6.2	11
115	Ethylcellulose in Organic Solution or Aqueous Dispersion Form in Designing Taste-Masked Microparticles by the Spray Drying Technique with a Model Bitter Drug: Rupatadine Fumarate. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
114	Determination of Urinary Pterins by Capillary Electrophoresis Coupled with LED-Induced Fluorescence Detector. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
113	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
112	Untargeted Metabolomics Provides Insight into the Mechanisms Underlying Resistant Hypertension. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 232-243	4.3	4
111	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
110	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
109	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
108	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
107	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
106	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

105	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
104	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
103	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
102	Urinary Nucleosides and Deoxynucleosides. <i>Advances in Clinical Chemistry</i> , <b>2018</b> , 83, 1-51	5.8	4
101	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	17	3
100	Stacking and Multidimensional Techniques for Capillary Electromigration Methods <b>2018</b> , 313-334		
99	Choice of the Mode of Analytical (Chromatographic) Method for the Analysis of Xenobiotics and Unknown Compounds on the Basis of the Properties of Analytes <b>2018</b> , 13-26		
98	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
97	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, 9541-9	9	30
96	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
95	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
94	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
93	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
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	Multilevel pharmacokinetics-driven modeling of metabolomics data. <i>Metabolomics</i> , <b>2017</b> , 13, 31	4.7	6
90	Migration time shift of analytes in micellar electrokinetic chromatography induced by stacking. <i>Electrophoresis</i> , <b>2017</b> , 38, 1730-1735	3.6	2
89	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
88	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

87	Thin layer chromatography in drug discovery process. <i>Journal of Chromatography A</i> , <b>2017</b> , 1520, 9-22	4.5	41
86	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
85	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
84	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
83	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
82	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
81	In honor of the 70th birthday of Professor Roman Kaliszan. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 127, 1-2	3.5	
80	Different detection and stacking techniques in capillary electrophoresis for metabolomics. <i>Analytical Methods</i> , <b>2016</b> , 8, 1216-1221	3.2	12
79	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
78	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
77	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
76	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
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	Application of Trace Analysis for Medical Diagnosis and Monitoring of Selected Drugs <b>2016</b> , 241-280		
73	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
72	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
71	New Biochemical Insights into the Mechanisms of Pulmonary Arterial Hypertension in Humans. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160505	3.7	27
70	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

69	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
68	Multidimensional Capillary Electrophoresis <b>2016</b> , 1-17		
67	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
66	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
65	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
64	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
63	Metabolomics in cardiovascular diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 113, 121-36	3.5	55
62	Roxithromycin-loaded lipid nanoparticles for follicular targeting. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 495, 807-15	6.5	31
61	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	
60	Multidimensional capillary electrophoresis. <i>Electrophoresis</i> , <b>2015</b> , 36, 135-43	3.6	24
59	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
58	Metabolomics for laboratory diagnostics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 113, 108-20	3.5	159
57	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
56	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
55	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
54	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
53	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
52	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



51	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
50	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
49	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
48	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
47	Chemistry of Drugs and Its Influence on Retention. <i>Chromatographic Science</i> , <b>2013</b> , 7-22		
46	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
45	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
44	Application of Electromigration Techniques: Metabolomics Determination of Potential Biomarkers Using Electromigration Techniques. <i>Springer Series in Chemical Physics</i> , <b>2013</b> , 271-285	0.3	
43	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
42	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
41	Metabolomics in urogenital cancer. <i>Bioanalysis</i> , <b>2011</b> , 3, 913-23	2.1	12
40	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
39	Metabolic profiling of pteridines for determination of potential biomarkers in cancer diseases. <i>Electrophoresis</i> , <b>2011</b> , 32, 2044-54	3.6	33
38	Thermodynamic vs. extrathermodynamic modeling of chromatographic retention. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 5120-30	4.5	8
37	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
36	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
35	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
34	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

33	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
32	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
31	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
30	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
29	Increasing conclusiveness of metabonomic 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
28	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
27	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
26	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
25	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
24	pH/organic solvent double-gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 449-58	7.8	42
23	pH gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 749-60	7.8	53
22	Determination of pKa by pH gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 3069-77	7.8	79
21	Capillary electrophoretic separation of cationic constituents of imidazolium ionic liquids. <i>Electrophoresis</i> , <b>2004</b> , 25, 3450-4	3.6	54
20	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
19	pH gradient high-performance liquid chromatography: theory and applications. <i>Journal of Chromatography A</i> , <b>2004</b> , 1060, 165-75	4.5	39
18	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
17	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
16	New approaches to chromatographic determination of lipophilicity of xenobiotics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 803-11	4.4	35



15	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
14	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
13	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
12	Riboflavin binding protein-chiral stationary phase: Investigation of retention mechanism. <i>Chromatographia</i> , <b>2002</b> , 55, 651-658	2.1	12
11	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	3.2	39
10	Capillary electrophoretic techniques toward the metabolome analysis. <i>Pure and Applied Chemistry</i> , <b>2001</b> , 73, 1563-1572	2.1	49
9	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
8	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
7	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
6	Polyfunctional chemically bonded stationary phase for reversed phase high-performance liquid chromatography. <i>Chromatographia</i> , <b>1998</b> , 48, 615-622	2.1	37
5	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
4	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
3	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
2	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
1	Quantitative Structure-Retention Relationships in Studies of Monolithic Materials 157-172		