Tomasz BAczek

List of Publications by Year in Descending Order

240 papers	**3,351** citations	**30** h-index	**45** g-index
253 ext. papers	**3,808** ext. citations	**3.7** avg, IF	**5.53** L-index

#	Paper	IF	Citations
240	Ionic Liquids, Microextraction Methods and Capillary Electrophoresis in Biomedical Research. *Current Pharmaceutical Analysis*, **2022**, 18, 55-62	0.6	0
239	Use of biomimetic chromatography and in vitro assay to develop predictive GA-MLR model for use in drug-property prediction among anti-depressant drug candidates. *Microchemical Journal*, **2022**, 175, 107183	4.8	3
238	The critical evaluation of the effects of imidazolium-based ionic liquids on the separation efficiency of selected biogenic amines and their metabolites during MEKC analysis. *Talanta*, **2022**, 238, 122997	6.2	1
237	Recent advancements in techniques for analyzing modern, atypical antidepressants in complex biological matrices and their application in biomedical studies. *TrAC - Trends in Analytical Chemistry*, **2022**, 116609	14.6	
236	Comparison of quantum mechanics protocols during the evaluation of Quantitative Structure-Retention Relationships supported by Genetic-Algorithm Multiple Linear Regression. *Journal of Chromatography Open*, **2021**, 1, 100019		0
235	Vitamin D and anti-Müllerian hormone concentration in human follicular fluid individually aspirated from all patient follicles. *Gynecological Endocrinology*, **2021**, 1-5	2.4	1
234	Optimization and comparison of two microsampling approaches for LC-MS/MS analysis of a panel of immunosuppressants in blood samples. *Sustainable Chemistry and Pharmacy*, **2021**, 21, 100433	3.9	1
233	Serum metabolic fingerprinting of psoriasis and psoriatic arthritis patients using solid-phase microextraction-liquid chromatography-high-resolution mass spectrometry. *Metabolomics*, **2021**, 17, 59	4.7	5
232	Self-assembly, stability and conductance of amphotericin B channels: bridging the gap between structure and function. *Nanoscale*, **2021**, 13, 3686-3697	7.7	1
231	Metabolic stability studies of lead compounds supported by separation techniques and chemometrics analysis. *Journal of Separation Science*, **2021**, 44, 373-386	3.4	2
230	Plausible Role of Estrogens in Pathogenesis, Progression and Therapy of Lung Cancer. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	9
229	Synthesis of Novel Pyrido[1,2-]pyrimidine Derivatives with 6-Fluoro-3-(4-piperidynyl)-1,2-benzisoxazole Moiety as Potential SSRI and 5-HT Receptor Ligands. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
228	Chemometric analysis of bio-inspired micellar electrokinetic chromatographic systems modelling of retention mechanism and prediction of biological properties using bile salts surfactants. *Microchemical Journal*, **2021**, 167, 106340	4.8	4
227	Control of retention mechanisms on an octadecyl-bonded silica column using ionic liquid-based mobile phase in analysis of cytostatic drugs by liquid chromatography. *Journal of Chromatography A*, **2021**, 1651, 462257	4.5	2
226	Additive manufacturing and related technologies The source of chemically active materials in separation science. *TrAC - Trends in Analytical Chemistry*, **2021**, 142, 116322	14.6	1
225	Multivariate assessment of anticancer oleanane triterpenoids lipophilicity. *Journal of Chromatography A*, **2021**, 1656, 462552	4.5	4
224	Facile and highly efficient three-phase single drop microextraction in-line coupled with capillary electrophoresis. *Journal of Chromatography A*, **2021**, 1655, 462520	4.5	0

223	The influence of phase II enzymes on in vitro half-life of pirydo[1,2-c]pirymidine derivatives as structural analogues of arylpiperazine. *Microchemical Journal*, **2020**, 159, 105550	4.8	
222	Extraction and preconcentration of compounds from the l-tyrosine metabolic pathway prior to their micellar electrokinetic chromatography separation. *Journal of Chromatography A*, **2020**, 1620, 461032	4.5	3
221	Assessment of blood–brain barrier permeability using micellar electrokinetic chromatography and P_VSA-like descriptors. *Microchemical Journal*, **2020**, 158, 105236	4.8	4
220	Drug affinity to human serum albumin prediction by retention of cetyltrimethylammonium bromide pseudostationary phase in micellar electrokinetic chromatography and chemically advanced template search descriptors. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 188, 113423	3.5	7
219	Follicular fat-soluble vitamins as markers of oocyte competency. *Systems Biology in Reproductive Medicine*, **2020**, 66, 112-121	2.9	6
218	The Influence of Ionic Liquids on the Effectiveness of Analytical Methods Used in the Monitoring of Human and Veterinary Pharmaceuticals in Biological and Environmental Samples-Trends and Perspectives. *Molecules*, **2020**, 25,	4.8	7
217	QSAR Analysis of Selected Antimicrobial Structures Belonging to Nitro-derivatives of Heterocyclic Compounds. *Letters in Drug Design and Discovery*, **2020**, 17, 214-225	0.8	3
216	Evaluation of Chemotherapeutic Activity of the Selected Bases' Analogues of Nucleic Acids Supported by ab initio Various Quantum Chemical Calculations. *Current Computer-Aided Drug Design*, **2020**, 16, 93-103	1.4	3
215	Practical sample pretreatment techniques coupled with capillary electrophoresis for real samples in complex matrices. *TrAC - Trends in Analytical Chemistry*, **2020**, 122, 115702	14.6	19
214	Combination of large volume sample stacking with polarity switching and cyclodextrin electrokinetic chromatography (LVSS-PS-CDEKC) for the determination of selected preservatives in pharmaceuticals. *Talanta*, **2020**, 211, 120673	6.2	8
213	Biopartitioning micellar electrokinetic chromatography – Concept study of cationic analytes. *Microchemical Journal*, **2020**, 154, 104518	4.8	7
212	Development and validation of a high-performance liquid chromatographic method with a fluorescence detector for the analysis of epirubicin in human urine and plasma, and its application in drug monitoring. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2020**, 1136, 121910	3.2	7
211	Understanding performance of 3D-printed sorbent in study of metabolic stability. *Journal of Chromatography A*, **2020**, 1629, 461501	4.5	2
210	Prediction of Chromatographic Elution Order of Analytical Mixtures Based on Quantitative Structure-Retention Relationships and Multi-Objective Optimization. *Molecules*, **2020**, 25,	4.8	2
209	Sensitive Analysis of Idarubicin in Human Urine and Plasma by Liquid Chromatography with Fluorescence Detection: An Application in Drug Monitoring. *Molecules*, **2020**, 25,	4.8	1
208	Synthesis and biological evaluation of new multi-target 3-(1H-indol-3-yl)pyrrolidine-2,5-dione derivatives with potential antidepressant effect. *European Journal of Medicinal Chemistry*, **2019**, 183, 111736	6.8	10
207	Synthesis of novel pyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT receptor ligands. *European Journal of Medicinal Chemistry*, **2019**, 166, 144-158	6.8	9
206	Application of SPME supported by ionic liquids for the determination of biogenic amines by MEKC in clinical practice. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 173, 24-30	3.5	7

205	Application of 3D-printed scabbard-like sorbent for sample preparation in bioanalysis expanded to 96-wellplate high-throughput format. *Analytica Chimica Acta*, **2019**, 1081, 1-5	6.6	15
204	Recent Trends in the Quantification of Biogenic Amines in Biofluids as Biomarkers of Various Disorders: A Review. *Journal of Clinical Medicine*, **2019**, 8,	5.1	13
203	A new dilution-enrichment sample preparation strategy for expanded metabolome monitoring of human breast milk that overcomes the simultaneous presence of low- and high-abundance lipid species. *Food Chemistry*, **2019**, 288, 154-161	8.5	17
202	The comparison of semiempirical and ab initio molecular modeling methods in activity and property evaluation of selected antimicrobial sulfonamides. *Medicinal Chemistry Research*, **2019**, 28, 778-787	2.2	1
201	Application of reversed-phase thin layer chromatography and QSRR modelling for prediction of protein binding of selected ß-blockers. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 176, 112767	3.5	7
200	A targeted mass spectrometry immunoassay to quantify osteopontin in fresh-frozen breast tumors and adjacent normal breast tissues. *Journal of Proteomics*, **2019**, 208, 103469	3.9	5
199	Synthesis of new 5,6,7,8-tetrahydropyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT receptor ligands. *European Journal of Medicinal Chemistry*, **2019**, 180, 383-397	6.8	6
198	Quantitative Structure-Retention Relationships with Non-Linear Programming for Prediction of Chromatographic Elution Order. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
197	MMP-14 degrades tropoelastin and elastin. *Biochimie*, **2019**, 165, 32-39	4.6	8
196	Activity Evaluation and Selection of Some Classes of Antibiotics with the use of Semi-Empirical Quantum Mechanics and Quantitative Structure- Activity Relationships Approach. *Combinatorial Chemistry and High Throughput Screening*, **2019**, 22, 97-112	1.3	1
195	Molecular Docking Supplements an In vitro Determination of the Leading CYP Isoform for Arylpiperazine Derivatives. *Combinatorial Chemistry and High Throughput Screening*, **2019**, 22, 370-378	1.3	2
194	Lipophilicity Determination of Antifungal Isoxazolo[3,4-]pyridin-3(1)-ones and Their N1-Substituted Derivatives with Chromatographic and Computational Methods. *Molecules*, **2019**, 24,	4.8	8
193	Are the short cationic lipopeptides bacterial membrane disruptors? Structure-Activity Relationship and molecular dynamic evaluation. *Biochimica Et Biophysica Acta - Biomembranes*, **2019**, 1861, 93-99	3.8	8
192	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. *Chemical Reviews*, **2019**, 119, 3674-3729	68.1	91
191	Study of the chromatographic behavior of selected antipsychotic drugs on RP-TLC based on quantitative structure-retention relationships. *Journal of the Iranian Chemical Society*, **2019**, 16, 1019-1027	2	2
190	Combination of field amplified sample injection and hydrophobic interaction electrokinetic chromatography (FASI-HIEKC) as a signal amplification method for the determination of selected macrocyclic antibiotics. *Analytica Chimica Acta*, **2019**, 1046, 192-198	6.6	7
189	Application of solid-phase microextraction in current biomedical research. *Journal of Separation Science*, **2019**, 42, 285-302	3.4	36
188	Bioanalysis of underivatized amino acids in non-invasive exhaled breath condensate samples using liquid chromatography coupled with tandem mass spectrometry. *Journal of Chromatography A*, **2018**, 1542, 72-81	4.5	15

187	Ionic liquids as signal amplifiers for the simultaneous extraction of several neurotransmitters determined by micellar electrokinetic chromatography. *Talanta*, **2018**, 186, 119-123	6.2	9
186	Characterization of antimicrobial and hemolytic properties of short synthetic cationic lipopeptides based on QSAR/QSTR approach. *Amino Acids*, **2018**, 50, 479-485	3.5	11
185	Bioanalysis of a panel of neurotransmitters and their metabolites in plasma samples obtained from pediatric patients with neuroblastoma and Wilms' tumor. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1074-1075, 99-110	3.2	9
184	A Proteomic-Based Approach to Study the Mechanism of Cytotoxicity Induced by Interleukin-1β and Cycloheximide. *Chromatographia*, **2018**, 81, 47-56	2.1	2
183	New 3D-printed sorbent for extraction of steroids from human plasma preceding LC-MS analysis. *Journal of Chromatography A*, **2018**, 1545, 1-11	4.5	29
182	The comparative study of micellar TLC and RP-TLC as potential tools for lipophilicity assessment based on QSRR approach. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 149, 70-79	3.5	19
181	Optimization of LC method for the quantification of doxorubicin in plasma and urine samples in view of pharmacokinetic, biomedical and drug monitoring therapy studies. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 158, 376-385	3.5	8
180	Synthesis, Molecular Structure, Anticancer Activity, and QSAR Study of -(aryl/heteroaryl)-4-(1-pyrrol-1-yl)Benzenesulfonamide Derivatives. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	3
179	Comparison of Three Extraction Approaches for the Isolation of Neurotransmitters from Rat Brain Samples. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	5
178	Simultaneous electrokinetic and hydrodynamic injection and sequential stacking featuring sweeping for signal amplification following MEKC during the analysis of rapamycin (sirolimus) in serum samples. *Electrophoresis*, **2018**, 39, 2590-2597	3.6	5
177	Synthesis of 2-alkylthio--(quinazolin-2-yl)benzenesulfonamide derivatives: anticancer activity, QSAR studies, and metabolic stability. *Monatshefte Fü Chemie*, **2018**, 149, 1885-1898	1.4	1
176	Testosterone and dihydrotestosterone reduce platelet activation and reactivity in older men and women. *Aging*, **2018**, 10, 902-929	5.6	18
175	Activity evaluation of some psychoactive drugs with the application of QSAR/QSPR modeling methods. *Medicinal Chemistry Research*, **2018**, 27, 2279-2286	2.2	6
174	Synthesis, molecular structure, and metabolic stability of new series of N'-(2-alkylthio-4-chloro-5-methylbenzenesulfonyl)-1-(5-phenyl-1H-pyrazol-1-yl)amidine as potential anti-cancer agents. *European Journal of Medicinal Chemistry*, **2018**, 155, 670-680	6.8	4
173	Application of QSAR Analysis and Different Quantum Chemical Calculation Methods in Activity Evaluation of Selected Fluoroquinolones. *Combinatorial Chemistry and High Throughput Screening*, **2018**, 21, 468-475	1.3	5
172	Chemometric Analysis for the Classification of some Groups of Drugs with Divergent Pharmacological Activity on the Basis of some Chromatographic and Molecular Modeling Parameters. *Combinatorial Chemistry and High Throughput Screening*, **2018**, 21, 125-137	1.3	1
171	Practical Application of Biogenic Amine Profiles for the Diagnosis of Patients with Ischemic Stroke. *Journal of Stroke and Cerebrovascular Diseases*, **2018**, 27, 945-950	2.8	2
170	Novel 2-(2-arylmethylthio-4-chloro-5-methylbenzenesulfonyl)-1-(1,3,5-triazin-2-ylamino)guanidine derivatives: Inhibition of human carbonic anhydrase cytosolic isozymes I and II and the transmembrane tumor-associated isozymes IX and XII, anticancer activity, and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2018**, 143, 1931-1941	6.8	21

169	Reversed-phase and normal-phase thin-layer chromatography and their application to the lipophilicity prediction of synthetic pyrethroids based on quantitative structure retention relationships. *Journal of Planar Chromatography - Modern TLC*, **2018**, 31, 99-104	0.9	3
168	Target-based drug discovery through inversion of quantitative structure-drug-property relationships and molecular simulation: CA IX-sulphonamide complexes. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 1430-1443	5.6	11
167	Synthesis, QSAR studies, and metabolic stability of novel 2-alkylthio-4-chloro-N-(5-oxo-4,5-dihydro-1,2,4-triazin-3-yl)benzenesulfonamide derivatives as potential anticancer and apoptosis-inducing agents. *Chemical Biology and Drug Design*, **2017**, 90, 380-396	2.9	7
166	Combined computational-experimental approach to predict blood-brain barrier (BBB) permeation based on "green" salting-out thin layer chromatography supported by simple molecular descriptors. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 143, 214-221	3.5	20
165	Fused Deposition Modeling Enables the Low-Cost Fabrication of Porous, Customized-Shape Sorbents for Small-Molecule Extraction. *Analytical Chemistry*, **2017**, 89, 4373-4376	7.8	41
164	Novel 2-benzylthio-5-(1,3,4-oxadiazol-2-yl)benzenesulfonamides with anticancer activity: Synthesis, QSAR study, and metabolic stability. *European Journal of Medicinal Chemistry*, **2017**, 132, 236-248	6.8	39
163	Evaluation of various approaches to the isolation of steroid hormones from urine samples prior to FASS-MEKC analysis. *Electrophoresis*, **2017**, 38, 1632-1643	3.6	6
162	QSRR Evaluation of the New Anticancer Sulfonamides in View of the cis-trans Isomerism. *Current Pharmaceutical Analysis*, **2017**, 14,	0.6	1
161	Novel 2-(2-alkylthiobenzenesulfonyl)-3-(phenylprop-2-ynylideneamino)guanidine derivatives as potent anticancer agents - Synthesis, molecular structure, QSAR studies and metabolic stability. *European Journal of Medicinal Chemistry*, **2017**, 138, 357-370	6.8	12
160	Dynamic double coating, electrophoretic method with indirect detection for the simultaneous quantification of mono- and divalent cations in various water samples. *Electrophoresis*, **2017**, 38, 477-485	3.6	2
159	1-[(Imidazolidin-2-yl)imino]-1H-indoles as new hypotensive agents: synthesis and in vitro and in vivo biological studies. *Chemical Biology and Drug Design*, **2017**, 89, 400-410	2.9	5
158	HILIC-MS Rat Brain Analysis, A New Approach for the Study of Ischemic Attack. *Translational Neuroscience*, **2017**, 8, 70-75	1.2	3
157	LC-MS measurment of free steroids in mussels (Mytilus trossulus) from the southern Baltic Sea. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 117, 311-5	3.5	14
156	Determination of urinary biogenic amines' biomarker profile in neuroblastoma and pheochromocytoma patients by MEKC method with preceding dispersive liquid-liquid microextraction. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1036-1037, 114-123	3.2	18
155	Comparison of MLR, OPLS, and SVM as potent chemometric techniques used to estimate in vitro metabolic stability. *Journal of Chemometrics*, **2016**, 30, 177-181	1.6	6
154	Determination of Bendamustine in Human Plasma and Urine by LC-FL Methods: Application in a Drug Monitoring. *Chromatographia*, **2016**, 79, 861-873	2.1	5
153	Synthesis and biological investigation of new equatorial (β)stereoisomers of 3-aminotropane arylamides with atypical antipsychotic profile. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 3994-4007	3.4	6
152	Exploiting non-linear relationships between retention time and molecular structure of peptides originating from proteomes and comparing three multivariate approaches. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 127, 94-100	3.5	14

151	The LC-MS method for the simultaneous analysis of selected fat-soluble vitamins and their metabolites in serum samples obtained from pediatric patients with cystic fibrosis. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 124, 374-381	3.5	12
150	The study of salting-out thin-layer chromatography and their application on QSRR/QSAR of some macrolide antibiotics. *Monatshefte Fü Chemie*, **2016**, 147, 301-310	1.4	13
149	Untargeted Lipidomics Reveals Differences in the Lipid Pattern among Clinical Isolates of Staphylococcus aureus Resistant and Sensitive to Antibiotics. *Journal of Proteome Research*, **2016**, 15, 914-22	5.6	30
148	Hydrophilic interaction chromatography combined with dispersive liquid-liquid microextraction as a preconcentration tool for the simultaneous determination of the panel of underivatized neurotransmitters in human urine samples. *Journal of Chromatography A*, **2016**, 1431, 111-121	4.5	40
147	Analytical approach to determining human biogenic amines and their metabolites using eVol microextraction in packed syringe coupled to liquid chromatography mass spectrometry method with hydrophilic interaction chromatography column. *Talanta*, **2016**, 150, 331-9	6.2	21
146	Quantitative structure‐retention relationships of some steroid and phenanthrene derivatives on cyano-, reversed-phase, and normal-phase thin-layer chromatography stationary phases. *Journal of Planar Chromatography - Modern TLC*, **2016**, 29, 165-175	0.9	2
145	Strategies for the Assessment of Metabolic Profiles of Steroid Hormones in View of Diagnostics and Drug Monitoring: Analytical Problems and Challenges. *Current Drug Metabolism*, **2016**, 17, 703-20	3.5	1
144	The Current Use of Mass Spectrometry in Combination with Oth er Separation Techniques in Drug Discovery Arena. *Medicinal Chemistry*, **2016**, 12, 404-11	1.8	1
143	Novel 5-Substituted 2-(Aylmethylthio)-4-chloro-N-(5-aryl-1,2,4-triazin-3-yl)benzenesulfonamides: Synthesis, Molecular Structure, Anticancer Activity, Apoptosis-Inducing Activity and Metabolic Stability. *Molecules*, **2016**, 21,	4.8	12
142	Column Selection for Biomedical Analysis Supported by Column Classification Based on Four Test Parameters. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	2
141	A Novel Two-Step Liquid-Liquid Extraction Procedure Combined with Stationary Phase Immobilized Human Serum Albumin for the Chiral Separation of Cetirizine Enantiomers along with M and P Parabens. *Molecules*, **2016**, 21,	4.8	4
140	Non-invasive screening for neuroendocrine tumors-Biogenic amines as neoplasm biomarkers and the potential improvement of "gold standards". *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 130, 194-201	3.5	13
139	Sweeping of hydrophobic amines under inhomogeneous electric field and low surfactant concentration in micellar electrokinetic chromatography. *Electrophoresis*, **2016**, 37, 1161-5	3.6	4
138	Thermodynamics and kinetics of amphotericin B self-association in aqueous solution characterized in molecular detail. *Scientific Reports*, **2016**, 6, 19109	4.9	15
137	Simultaneous Separation of Eight Benzodiazepines in Human Urine Using Field-Amplified Sample Stacking Micellar Electrokinetic Chromatography. *Journal of Analytical Toxicology*, **2015**, 39, 436-43	2.9	6
136	Novel 4-aryl-pyrido[1,2-c]pyrimidines with dual SSRI and 5-HT(1A) activity. Part 5. *European Journal of Medicinal Chemistry*, **2015**, 98, 221-36	6.8	13
135	Assessment of column selection systems using Partial Least Squares. *Journal of Chromatography A*, **2015**, 1420, 74-82	4.5	6
134	Cyclodextrin-modified MEKC method for quantification of selected acidic metabolites of catecholamines in the presence of various biogenic amines. Application to diagnosis of neuroblastoma. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2015**, 1003, 27-34	3.2	14

133   New Materials Applied for the Stationary Phases in View of the Optimized HPLC and UHPLC Column Classification System Used in the Pharmaceutical Analysis. *Advanced Materials Research*, **2015**, 1120-1121, 1404-1412   0.5

132   Molecular descriptor subset selection in theoretical peptide quantitative structure-retention relationship model development using nature-inspired optimization algorithms. *Analytical Chemistry*, **2015**, 87, 9876-83   7.8   36

131   QSPR analysis of some agonists and antagonists of adrenergic receptors. *Medicinal Chemistry Research*, **2015**, 24, 372-382   2.2   3

130   Novel 4-aryl-pyrido[1,2-c]pyrimidines with dual SSRI and 5-HT1A activity. Part 4. *European Journal of Medicinal Chemistry*, **2015**, 90, 21-32   6.8   12

129   Capillary electromigration techniques as tools for assessing the status of vitamins A, C and E in patients with cystic fibrosis. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 102, 45-53   3.5   9

128   Synthesis and QSAR study of novel 6-chloro-3-(2-Arylmethylene-1-methylhydrazino)-1,4,2-benzodithiazine 1,1-dioxide derivatives with anticancer activity. *Molecules*, **2015**, 20, 5754-70   4.8   6

127   Synthesis, Molecular Structure, Metabolic Stability and QSAR Studies of a Novel Series of Anticancer N-Acylbenzenesulfonamides. *Molecules*, **2015**, 20, 19101-29   4.8   11

126   Novel 3-Amino-6-chloro-7-(azol-2 or 5-yl)-1,1-dioxo-1,4,2-benzodithiazine Derivatives with Anticancer Activity: Synthesis and QSAR Study. *Molecules*, **2015**, 20, 21960-70   4.8   6

125   Gel electrophoretic separation of proteins from cultured neuroendocrine tumor cell lines. *Molecular Medicine Reports*, **2015**, 11, 1407-15   2.9   6

124   The impact of TiO2 nanoparticles on uptake and toxicity of benzo(a)pyrene in the blue mussel (Mytilus edulis). *Science of the Total Environment*, **2015**, 511, 469-76   10.2   43

123   Sex-related differences in steroid concentrations in the blue mussel (Mytilus edulis trossulus) from the southern Baltic Sea. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2015**, 183, 14-9   2.6   13

122   Prediction of overall in vitro microsomal stability of drug candidates based on molecular modeling and support vector machines. Case study of novel arylpiperazines derivatives. *PLoS ONE*, **2015**, 10, e0122772   3.7   16

121   The Metabolism of Anticancer Drugs by the Liver: Current Approaches to the Drug Development Process. *Current Drug Metabolism*, **2015**, 16, 506-21   3.5   2

120   Chemometric Analysis of Some Biologically Active Groups of Drugs on the Basis Chromatographic and Molecular Modeling Data. *Medicinal Chemistry*, **2015**, 11, 432-52   1.8   4

119   Field-amplified sample injection coupled with pseudo-isotachophoresis technique for sensitive determination of selected psychiatric drugs in human urine samples after dispersive liquid-liquid microextraction. *Analytica Chimica Acta*, **2014**, 811, 88-93   6.6   19

118   Analytical methods for determination of benzodiazepines. A short review. *Open Chemistry*, **2014**, 12, 994-1007   1.6   13

117   Comprehensive methodology for Staphylococcus aureus lipidomics by liquid chromatography and quadrupole time-of-flight mass spectrometry. *Journal of Chromatography A*, **2014**, 1362, 62-74   4.5   30

116   Repetitive injection field-amplified sample stacking for cationic compounds determination. *Talanta*, **2014**, 125, 1-6   6.2   8

115	Comparison of core-shell and totally porous ultra high performance liquid chromatographic stationary phases based on their selectivity towards alfuzosin compounds. *Journal of Chromatography A*, **2014**, 1346, 69-77	4.5	8
114	Improvement of derivatized amino acid detection sensitivity in micellar electrokinetic capillary chromatography by means of acid-induced pH-mediated stacking technique. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 6713-21	4.4	11
113	Modern LC in therapeutic drug monitoring and diagnosis of pediatric leukemia. *Bioanalysis*, **2014**, 6, 2897-909	2.9	
112	Quantification of the level of fat-soluble vitamins in feed based on the novel microemulsion electrokinetic chromatography (MEEKC) method. *Journal of the Science of Food and Agriculture*, **2014**, 94, 544-51	4.3	15
111	Development and Validation of Electromigration Technique for the Determination of Lincomycin and Clindamycin Residues in Poultry Tissues. *Food Analytical Methods*, **2014**, 7, 276-282	3.4	7
110	Mass spectrometry based identification of geometric isomers during metabolic stability study of a new cytotoxic sulfonamide derivatives supported by quantitative structure-retention relationships. *PLoS ONE*, **2014**, 9, e98096	3.7	3
109	The application of connected QSRR and QSAR strategies to predict the physicochemical interaction of acridinone derivatives with DNA. *Combinatorial Chemistry and High Throuhput Screening*, **2014**, 17, 820-6	1.3	2
108	Biological Activity of Compounds Exhibiting Local Anesthetics's Properties Evaluated by QSAR Approach. *Current Pharmaceutical Analysis*, **2014**, 10, 255-262	0.6	5
107	Chemometric evaluation of the column classification system during the pharmaceutical analysis of lamotrigine and its related substances. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 6529-41	4.4	8
106	Ability to determine the desferrioxamine-chelatable iron fractions of nontransferrin-bound iron using HPLC. *Journal of Separation Science*, **2013**, 36, 665-9	3.4	3
105	Steroid profiles as potential biomarkers in patients with urogenital tract cancer for diagnostic investigations analyzed by liquid chromatography coupled to mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 73, 108-15	3.5	13
104	Prediction of antimicrobial activity of imidazole derivatives by artificial neural networks. *Open Medicine (Poland)*, **2013**, 8, 1-15	2.2	5
103	Classification of LC columns based on the QSRR method and selectivity toward moclobemide and its metabolites. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 78-79, 161-9	3.5	10
102	Development of the HPLC Method for Simultaneous Determination of Lidocaine Hydrochloride and Tribenoside Along with Their Impurities Supported by the QSRR Approach. *Chromatographia*, **2013**, 76, 255-265	2.1	19
101	LC-MS and chemometrics for steroid biomarker profiles in view of the future diagnostics of diseases?. *Bioanalysis*, **2013**, 5, 1347-51	2.1	1
100	The advances of electromigration techniques applied for alkaloid analysis. *Biomedical Chromatography*, **2013**, 27, 1312-38	1.7	5
99	Chemometric evaluation of urinary steroid hormone levels as potential biomarkers of neuroendocrine tumors. *Molecules*, **2013**, 18, 12857-76	4.8	5
98	DETERMINATION OF LAMOTRIGINE IN TABLETS USING HPTLC, HPLC, AND DERIVATIVE SPECTROPHOTOMETRY METHODS. *Journal of Liquid Chromatography and Related Technologies*, **2013**, 36, 537-548	1.3	4

97	Optimization of a pre-MEKC separation SPE procedure for steroid molecules in human urine samples. *Molecules*, **2013**, 18, 14013-32	4.8	6
96	The osteopontin tissue level as a breast cancer biomarker in females after mastectomy measured by the capillary gel electrophoresis technique. *Combinatorial Chemistry and High Throughput Screening*, **2013**, 16, 331-8	1.3	4
95	Advanced assessment of the endogenous hormone level as a potential biomarker of the urogenital tract cancer. *Combinatorial Chemistry and High Throughput Screening*, **2013**, 16, 463-72	1.3	1
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