# Tomasz BAczek

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 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 | Suppression of deleterious effects of free silanols in liquid chromatography by imidazolium tetrafluoroborate ionic liquids. *Journal of Chromatography A*, **2004**, 1030, 263-71 | 4.5 | 153 |
| 239 | Comparative characteristics of HPLC columns based on quantitative structure-retention relationships (QSRR) and hydrophobic-subtraction model. *Journal of Chromatography A*, **2005**, 1075, 109-15 | 4.5 | 99 |
| 238 | Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. *Chemical Reviews*, **2019**, 119, 3674-3729 | 68.1 | 91 |
| 237 | Prediction of peptide retention at different HPLC conditions from multiple linear regression models. *Journal of Proteome Research*, **2005**, 4, 555-63 | 5.6 | 90 |
| 236 | Lipophilicity and pKa estimates from gradient high-performance liquid chromatography. *Journal of Chromatography A*, **2002**, 965, 117-27 | 4.5 | 87 |
| 235 | Reduction of silanophilic interactions in liquid chromatography with the use of ionic liquids. *Analytica Chimica Acta*, **2005**, 547, 172-178 | 6.6 | 82 |
| 234 | Reversed-phase liquid chromatographic separation of complex samples by optimizing temperature and gradient time III. Improving the accuracy of computer simulation. *Journal of Chromatography A*, **1999**, 857, 41-68 | 4.5 | 73 |
| 233 | Predictive approaches to gradient retention based on analyte structural descriptors from calculation chemistry. *Journal of Chromatography A*, **2003**, 987, 29-37 | 4.5 | 69 |
| 232 | Combination of linear solvent strength model and quantitative structure-retention relationships as a comprehensive procedure of approximate prediction of retention in gradient liquid chromatography. *Journal of Chromatography A*, **2002**, 962, 41-55 | 4.5 | 67 |
| 231 | Prediction of high-performance liquid chromatography retention of peptides with the use of quantitative structure-retention relationships. *Proteomics*, **2005**, 5, 409-15 | 4.8 | 67 |
| 230 | Prediction of gradient retention from the linear solvent strength (LSS) model, quantitative structure-retention relationships (QSRR), and artificial neural networks (ANN). *Journal of Separation Science*, **2003**, 26, 271-282 | 3.4 | 65 |
| 229 | Evaluation of the silanol-suppressing potency of ionic liquids. *Journal of Separation Science*, **2006**, 29, 1138-45 | 3.4 | 64 |
| 228 | Artificial neural network analysis for evaluation of peptide MS/MS spectra in proteomics. *Analytical Chemistry*, **2004**, 76, 1726-32 | 7.8 | 58 |
| 227 | Predictions of peptides' retention times in reversed-phase liquid chromatography as a new supportive tool to improve protein identification in proteomics. *Proteomics*, **2009**, 9, 835-47 | 4.8 | 57 |
| 226 | Retention prediction of peptides based on uninformative variable elimination by partial least squares. *Journal of Proteome Research*, **2006**, 5, 1618-25 | 5.6 | 47 |
| 225 | Advanced QSRR modeling of peptides behavior in RPLC. *Talanta*, **2010**, 81, 1711-8 | 6.2 | 45 |
| 224 | 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 |

| | | | |
|---|---|---|---|
| 223 | Gradient HPLC in the determination of drug lipophilicity and acidity. *Pure and Applied Chemistry*, **2001**, 73, 1465-1475 | 2.1 | 43 |
| 222 | 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 |
| 221 | 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 |
| 220 | 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 |
| 219 | Longitudinal study of vitamins A, E and lipid oxidative damage in human milk throughout lactation. *Early Human Development*, **2012**, 88, 421-4 | 2.2 | 37 |
| 218 | 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 |
| 217 | Comparative evaluation of high-performance liquid chromatography stationary phases used for the separation of peptides in terms of quantitative structure-retention relationships. *Journal of Chromatography A*, **2007**, 1175, 49-54 | 4.5 | 36 |
| 216 | Application of solid-phase microextraction in current biomedical research. *Journal of Separation Science*, **2019**, 42, 285-302 | 3.4 | 36 |
| 215 | Field-amplified sample stacking-sweeping of vitamins B determination in capillary electrophoresis. *Journal of Chromatography A*, **2012**, 1267, 224-30 | 4.5 | 33 |
| 214 | 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 |
| 213 | 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 |
| 212 | Fractionation of peptides in proteomics with the use of pI-based approach and ZipTip pipette tips. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 34, 851-60 | 3.5 | 30 |
| 211 | Behavior of peptides and computer-assisted optimization of peptides separations in a normal-phase thin-layer chromatography system with and without the addition of ionic liquid in the eluent. *Biomedical Chromatography*, **2005**, 19, 1-8 | 1.7 | 30 |
| 210 | 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 |
| 209 | Chromatographic analysis of salicylic compounds in different species of the genus Salix. *Journal of Separation Science*, **2007**, 30, 2958-66 | 3.4 | 29 |
| 208 | Computer simulation for the simultaneous optimization of any two variables and any chromatographic procedure. *Journal of Chromatographic Science*, **2000**, 38, 386-92 | 1.4 | 28 |
| 207 | Simultaneous determination of urinary cortisol, cortisone and corticosterone in parachutists, depressed patients and healthy controls in view of biomedical and pharmacokinetic studies. *Molecular BioSystems*, **2011**, 7, 1487-500 | | 27 |
| 206 | Quantitative structure/retention relationships in affinity chromatography. *Journal of Proteomics*, **2001**, 49, 83-98 | | 23 |

| | | | |
|---|---|---|---|
| 205 | Micelle to solvent stacking of tricyclic psychiatric drugs in capillary electrophoresis. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 62, 149-54 | 3.5 | 22 |
| 204 | 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 |
| 203 | Optimization of LC method for the determination of testosterone and epitestosterone in urine samples in view of biomedical studies and anti-doping research studies. *Talanta*, **2011**, 83, 804-14 | 6.2 | 21 |
| 202 | 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 |
| 201 | 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 |
| 200 | Artificial neural networks in prediction of antifungal activity of a series of pyridine derivatives against Candida albicans. *Journal of Microbiological Methods*, **2009**, 76, 25-9 | 2.8 | 20 |
| 199 | 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 |
| 198 | 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 |
| 197 | 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 |
| 196 | HPLC analysis of polyphenols in the fruits of Rubus idaeus L. (Rosaceae). *Natural Product Research*, **2010**, 24, 1811-22 | 2.3 | 19 |
| 195 | Artificial neural networks analysis used to evaluate the molecular interactions between selected drugs and human alpha1-acid glycoprotein. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 50, 591-6 | 3.5 | 19 |
| 194 | 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 |
| 193 | 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 |
| 192 | Testosterone and dihydrotestosterone reduce platelet activation and reactivity in older men and women. *Aging*, **2018**, 10, 902-929 | 5.6 | 18 |
| 191 | Chemometric evaluation of relationships between retention and physicochemical parameters in terms of multidimensional liquid chromatography of peptides. *Journal of Separation Science*, **2006**, 29, 547-54 | 3.4 | 18 |
| 190 | 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 |
| 189 | Modern chromatographic and electrophoretic measurements of antidepressants and their metabolites in biofluids. *Biomedical Chromatography*, **2011**, 25, 164-98 | 1.7 | 17 |
| 188 | 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 |

| | | | |
|---|---|---|---|
| 187 | 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 |
| 186 | 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 |
| 185 | Recent theoretical and practical applications of micellar liquid chromatography (MLC) in pharmaceutical and biomedical analysis. *Open Chemistry*, **2012**, 10, 570-584 | 1.6 | 15 |
| 184 | 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 |
| 183 | The molecular descriptor logSumAA and its alternatives in QSRR models to predict the retention of peptides. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 50, 563-9 | 3.5 | 15 |
| 182 | Clinical data analysis using artificial neural networks (ANN) and principal component analysis (PCA) of patients with breast cancer after mastectomy. *Reports of Practical Oncology and Radiotherapy*, **2007**, 12, 9-17 | 1.5 | 15 |
| 181 | Thermodynamics and kinetics of amphotericin B self-association in aqueous solution characterized in molecular detail. *Scientific Reports*, **2016**, 6, 19109 | 4.9 | 15 |
| 180 | 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 |
| 179 | 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 |
| 178 | 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 |
| 177 | Improvement of Peptides Identification in Proteomics with the Use of New Analytical and Bioinformatic Strategies. *Current Pharmaceutical Analysis*, **2005**, 1, 31-40 | 0.6 | 14 |
| 176 | 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 |
| 175 | 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 |
| 174 | The study of salting-out thin-layer chromatography and their application on QSRR/QSAR of some macrolide antibiotics. *Monatshefte F□ Chemie*, **2016**, 147, 301-310 | 1.4 | 13 |
| 173 | Analytical methods for determination of benzodiazepines. A short review. *Open Chemistry*, **2014**, 12, 994-1007 | 1.6 | 13 |
| 172 | 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 |
| 171 | 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 |
| 170 | Evaluation of a column classification method using the separation of alfuzosin from its related substances. *Journal of Chromatography A*, **2012**, 1229, 198-207 | 4.5 | 13 |

| | | | |
|---|---|---|---|
| 169 | The comparison of two column classification systems during the chromatographic analysis of steroids. *Journal of Separation Science*, **2011**, 34, 3310-21 | 3.4 | 13 |
| 168 | Micellar liquid chromatography for lipophilicity determination of new biologically active 1,3-purinodiones. *Journal of Separation Science*, **2010**, 33, 1546-57 | 3.4 | 13 |
| 167 | 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 |
| 166 | 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 |
| 165 | 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 |
| 164 | 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 |
| 163 | Application of a column classification method in a selectivity study involving caffeine and its related impurities. *Talanta*, **2012**, 99, 492-501 | 6.2 | 12 |
| 162 | Micellar electrokinetic chromatography for the determination of cortisol in urine samples in view of biomedical studies. *Electrophoresis*, **2010**, 31, 2356-64 | 3.6 | 12 |
| 161 | Predictions of Reversed-Phase Gradient Elution LC Separations Supported by QSRR. *Chromatographia*, **2008**, 68, 161-166 | 2.1 | 12 |
| 160 | Computer-Assisted Optimization of Liquid Chromatography Separations of Drugs and Related Substances. *Current Pharmaceutical Analysis*, **2008**, 4, 151-161 | 0.6 | 12 |
| 159 | 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 |
| 158 | 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 |
| 157 | Synthesis, Molecular Structure, Metabolic Stability and QSAR Studies of a Novel Series of Anticancer N-Acylbenzenesulfonamides. *Molecules*, **2015**, 20, 19101-29 | 4.8 | 11 |
| 156 | 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 |
| 155 | Factor analysis of microbiological activity data and structural parameters of antibacterial quinolones. *Journal of Molecular Modeling*, **2010**, 16, 327-35 | 2 | 11 |
| 154 | Fractionation of peptides and identification of proteins from Saccharomyces cerevisiae in proteomics with the use of reversed-phase capillary liquid chromatography and pI-based approach. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 35, 895-904 | 3.5 | 11 |
| 153 | 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 |
| 152 | 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 |

| | | | |
|---|---|---|---|
| 151 | 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 |
| 150 | Topotecan exposure estimation in pediatric acute myeloid leukemia supported by LC-MS-based drug monitoring and pharmacokinetic analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 70, 330-6 | 3.5 | 10 |
| 149 | Pharmacological classification and activity evaluation of furan and thiophene amide derivatives applying semi-empirical ab initio molecular modeling methods. *International Journal of Molecular Sciences*, **2012**, 13, 6665-78 | 6.3 | 10 |
| 148 | The influence of averaging procedure on the accuracy of IVIVC predictions: immediate release dosage form case study. *Journal of Pharmaceutical Sciences*, **2010**, 99, 5040-5 | 3.9 | 10 |
| 147 | Ionic liquids as novel solvent additives to separate peptides. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **2006**, 61, 827-32 | 1.7 | 10 |
| 146 | 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 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |
| 142 | Physicochemical interaction of antitumor acridinone derivatives with DNA in view of QSAR studies. *Medicinal Chemistry Research*, **2011**, 20, 1385-1393 | 2.2 | 9 |
| 141 | Determination of Oxazepam in Pharmaceutical Formulation by HPTLC UV-Densitometric and UV-Derivative Spectrophotometry Methods. *Analytical Letters*, **2009**, 42, 1831-1843 | 2.2 | 9 |
| 140 | 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 |
| 139 | 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 |
| 138 | MMP-14 degrades tropoelastin and elastin. *Biochimie*, **2019**, 165, 32-39 | 4.6 | 8 |
| 137 | Repetitive injection field-amplified sample stacking for cationic compounds determination. *Talanta*, **2014**, 125, 1-6 | 6.2 | 8 |
| 136 | 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 |
| 135 | Importance of retention data from affinity and reverse-phase high-performance liquid chromatography on antitumor activity prediction of imidazoacridinones using QSAR strategy. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 64-65, 87-93 | 3.5 | 8 |
| 134 | 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 |

| | | | |
|---|---|---|---|
| 133 | Comparative analysis of chiral drugs in view of chemometrics. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 624-35 | 1.7 | 8 |
| 132 | Maternal smoking does not influence vitamin A and E concentrations in mature breastmilk. *Breastfeeding Medicine*, **2012**, 7, 285-9 | 2.1 | 8 |
| 131 | QSAR Analysis of Compounds Exhibiting General Anesthetics Properties. *Letters in Drug Design and Discovery*, **2012**, 9, 595-603 | 0.8 | 8 |
| 130 | Evaluation of molecular descriptors and HPLC retention data of analgesic and anti-inflammatory drugs by factor analysis in relation to their pharmacological activity. *Journal of Molecular Modeling*, **2010**, 16, 1319-31 | 2 | 8 |
| 129 | The Progress on the In Vivo-In Vitro Correlation (IVIVC) for Immediate Release Dosage Form as an Alternative to Bioavailability Studies. *Current Pharmaceutical Analysis*, **2010**, 6, 289-298 | 0.6 | 8 |
| 128 | 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 |
| 127 | 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 |
| 126 | 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 |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | Application of reversed-phase thin layer chromatography and QSRR modelling for prediction of protein binding of selected blockers. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 176, 112767 | 3.5 | 7 |
| 120 | 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 |
| 119 | Determination of lipophilicity for antitumor acridinone derivatives supported by gradient high-performance liquid chromatography method. *Open Chemistry*, **2012**, 10, 216-223 | 1.6 | 7 |
| 118 | Pharmacological classification of drugs by principal component analysis applying molecular modeling descriptors and HPLC retention data. *Journal of Chromatographic Science*, **2011**, 49, 758-63 | 1.4 | 7 |
| 117 | In vivo-in vitro correlation for amoxicillin trihydrate 1000 mg dispersible tablet. *Drug Development and Industrial Pharmacy*, **2009**, 35, 981-5 | 3.6 | 7 |
| 116 | Clinical data analysis with the use of artificial neural networks (ANN) and principal component analysis (PCA) of patients with endometrial carcinoma. *Reports of Practical Oncology and Radiotherapy*, **2005**, 10, 239-248 | 1.5 | 7 |

| | | | |
|---|---|---|---|
| 115 | Biopartitioning micellar electrokinetic chromatography Concept study of cationic analytes. *Microchemical Journal*, **2020**, 154, 104518 | 4.8 | 7 |
| 114 | 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, 121919 | 3.2 | 7 |
| 113 | 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 |
| 112 | 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 |
| 111 | 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 |
| 110 | Assessment of column selection systems using Partial Least Squares. *Journal of Chromatography A*, **2015**, 1420, 74-82 | 4.5 | 6 |
| 109 | Follicular fat-soluble vitamins as markers of oocyte competency. *Systems Biology in Reproductive Medicine*, **2020**, 66, 112-121 | 2.9 | 6 |
| 108 | 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 |
| 107 | Synthesis and biological investigation of new equatorial ( stereoisomers of 3-aminotropane arylamides with atypical antipsychotic profile. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 3994-4007 | 3.4 | 6 |
| 106 | Activity evaluation of some psychoactive drugs with the application of QSAR/QSPR modeling methods. *Medicinal Chemistry Research*, **2018**, 27, 2279-2286 | 2.2 | 6 |
| 105 | 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 |
| 104 | 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 |
| 103 | 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 |
| 102 | Gel electrophoretic separation of proteins from cultured neuroendocrine tumor cell lines. *Molecular Medicine Reports*, **2015**, 11, 1407-15 | 2.9 | 6 |
| 101 | Optimization of a pre-MEKC separation SPE procedure for steroid molecules in human urine samples. *Molecules*, **2013**, 18, 14013-32 | 4.8 | 6 |
| 100 | Principal component analysis of HPLC retention data and molecular modeling structural parameters of cardiovascular system drugs in view of their pharmacological activity. *International Journal of Molecular Sciences*, **2010**, 11, 2681-98 | 6.3 | 6 |
| 99 | Evaluation of a generalized use of the log Sum(k+1)AA descriptor in a QSRR model to predict peptide retention on RPLC systems. *Journal of Separation Science*, **2009**, 32, 2075-83 | 3.4 | 6 |
| 98 | Rapid RP-LC Method with Fluorescence Detection for Analysis of Fexofenadine in Human Plasma. *Chromatographia*, **2010**, 71, 1081-1086 | 2.1 | 6 |

| | | | |
|---|---|---|---|
| 97 | Prediction of the affinity of the newly synthesised azapirone derivatives for 5-HT1A receptors based on artificial neural network analysis of chromatographic retention data and calculation chemistry parameters. *Combinatorial Chemistry and High Throughput Screening*, **2004**, 7, 313-25 | 1.3 | 6 |
| 96 | The evaluation of multivariate adaptive regression splines for the prediction of antitumor activity of acridinone derivatives. *Medicinal Chemistry*, **2013**, 9, 1041-50 | 1.8 | 6 |
| 95 | Mechanisms of Action of Imidazoacridinone and Triazoloacridinone Derivatives in View of their Biological Activity. *Current Pharmaceutical Analysis*, **2011**, 7, 286-295 | 0.6 | 6 |
| 94 | 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 |
| 93 | Comparison of Three Extraction Approaches for the Isolation of Neurotransmitters from Rat Brain Samples. *International Journal of Molecular Sciences*, **2018**, 19, | 6.3 | 5 |
| 92 | 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 |
| 91 | 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 |
| 90 | Quantitative Structure-Retention Relationships with Non-Linear Programming for Prediction of Chromatographic Elution Order. *International Journal of Molecular Sciences*, **2019**, 20, | 6.3 | 5 |
| 89 | Prediction of antimicrobial activity of imidazole derivatives by artificial neural networks. *Open Medicine (Poland)*, **2013**, 8, 1-15 | 2.2 | 5 |
| 88 | 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 |
| 87 | Determination of Water Soluble Vitamins in Laboratory Animal Feeds by Micellar Electrokinetic Chromatography. *Analytical Letters*, **2012**, 45, 689-701 | 2.2 | 5 |
| 86 | Biomedical evaluation of cortisol, cortisone, and corticosterone along with testosterone and epitestosterone applying micellar electrokinetic chromatography. *Scientific World Journal, The*, **2012**, 2012, 268120 | 2.2 | 5 |
| 85 | The advances of electromigration techniques applied for alkaloid analysis. *Biomedical Chromatography*, **2013**, 27, 1312-38 | 1.7 | 5 |
| 84 | Chemometric evaluation of urinary steroid hormone levels as potential biomarkers of neuroendocrine tumors. *Molecules*, **2013**, 18, 12857-76 | 4.8 | 5 |
| 83 | pH gradient reversed-phase liquid chromatography as a fractionation tool for the separation of peptides. *Talanta*, **2008**, 75, 76-82 | 6.2 | 5 |
| 82 | 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 |
| 81 | The Chemometric Evaluation of Antitumor Activity of Novel Benzensulfonamide Derivatives Based on their Physiochemical Properties. *Letters in Drug Design and Discovery*, **2012**, 9, 288-294 | 0.8 | 5 |
| 80 | Biological Activity of Compounds Exhibiting Local Anesthetics's Properties Evaluated by QSAR Approach. *Current Pharmaceutical Analysis*, **2014**, 10, 255-262 | 0.6 | 5 |

| | | | |
|---|---|---|---|
| 79 | 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 |
| 78 | Assessment of blood–brain barrier permeability using micellar electrokinetic chromatography and P_VSA-like descriptors. *Microchemical Journal*, **2020**, 158, 105236 | 4.8 | 4 |
| 77 | 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 |
| 76 | 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 |
| 75 | SIMULTANEOUS DETERMINATION OF CORTISOL, CORTISONE, AND CORTICOSTERONE IN HUMAN PLASMA OF PARACHUTISTS IN VIEW OF PHARMACOKINETIC STUDIES. *Journal of Liquid Chromatography and Related Technologies*, **2010**, 33, 1613-1629 | 1.3 | 4 |
| 74 | Correctness of protein identifications of Bacillus subtilis proteome with the indication on potential false positive peptides supported by predictions of their retention times. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 718142 | | 4 |
| 73 | QSAR in Chromatography: Quantitative Structure–Retention Relationships (QSRRs). *Challenges and Advances in Computational Chemistry and Physics*, **2010**, 223-259 | 0.7 | 4 |
| 72 | Influence of HPLC retention data and molecular modeling descriptors on prediction of pharmacological classification of drugs using principal component analysis method. *Combinatorial Chemistry and High Throughput Screening*, **2010**, 13, 765-76 | 1.3 | 4 |
| 71 | 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 |
| 70 | Chemometric Evaluation of the Significance of Molecular Structural Descriptors on Binding of Acridinone Derivatives to DNA. *Letters in Drug Design and Discovery*, **2010**, 7, 494-499 | 0.8 | 4 |
| 69 | Antitumor activity of novel benzensulfonamide derivatives in view of their physiochemical properties searched by principal component analysis. *Medicinal Chemistry*, **2013**, 9, 517-25 | 1.8 | 4 |
| 68 | 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 |
| 67 | Urinary Steroids Measured by Modern Separation Techniques and Applied as Biomarkers in Stress Studies. *Current Pharmaceutical Analysis*, **2010**, 6, 151-163 | 0.6 | 4 |
| 66 | Quantification of the Salivary Steroid Hormones Considered as Bio-markers in Clinical Research Studies and Sports Medicine. *Current Pharmaceutical Analysis*, **2010**, 6, 182-197 | 0.6 | 4 |
| 65 | 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 |
| 64 | Sweeping of hydrophobic amines under inhomogeneous electric field and low surfactant concentration in micellar electrokinetic chromatography. *Electrophoresis*, **2016**, 37, 1161-5 | 3.6 | 4 |
| 63 | 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 |
| 62 | Multivariate assessment of anticancer oleanane triterpenoids lipophilicity. *Journal of Chromatography A*, **2021**, 1656, 462552 | 4.5 | 4 |

| | | | |
|---|---|---|---|
| 61 | QSPR analysis of some agonists and antagonists of □adrenergic receptors. *Medicinal Chemistry Research*, **2015**, 24, 372-382 | 2.2 | 3 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | HILIC-MS Rat Brain Analysis, A New Approach for the Study of Ischemic Attack. *Translational Neuroscience*, **2017**, 8, 70-75 | 1.2 | 3 |
| 56 | The Influence of Lipophilicity on the Classification of Antitumor Acridinones Evaluated by Principal Component Analysis. *Current Pharmaceutical Analysis*, **2012**, 8, 157-174 | 0.6 | 3 |
| 55 | Impact of pharmaceutical dosage form on stability and dissolution of roxithromycin. *Open Medicine (Poland)*, **2010**, 5, 83-90 | 2.2 | 3 |
| 54 | Predictions of Peptide Retention in HPLC with the use of Amino Acid Retention Data Obtained in a TLC System. *Journal of Liquid Chromatography and Related Technologies*, **2007**, 30, 2963-2974 | 1.3 | 3 |
| 53 | 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 |
| 52 | 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 |
| 51 | The comparison between the calculated and HPLC-predicted lipophilicity parameters for selected groups of drugs. *Combinatorial Chemistry and High Throughput Screening*, **2013**, 16, 603-17 | 1.3 | 3 |
| 50 | Is DNA Minor Groove Binding Crucial for Biological Activity of Triazoloacridinones with Cytotoxic and Antitumour Properties?. *Letters in Drug Design and Discovery*, **2009**, 6, 242-245 | 0.8 | 3 |
| 49 | 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 |
| 48 | 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 |
| 47 | Reversed-phase and normal-phase thin-layer chromatography and their application to the lipophilicity prediction of synthetic pyrethroids based on quantitative structure□etention relationships. *Journal of Planar Chromatography - Modern TLC*, **2018**, 31, 99-104 | 0.9 | 3 |
| 46 | A Proteomic-Based Approach to Study the Mechanism of Cytotoxicity Induced by Interleukin-1□ and Cycloheximide. *Chromatographia*, **2018**, 81, 47-56 | 2.1 | 2 |
| 45 | 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 |
| 44 | Importance of some classes of molecular descriptors on classification of antitumor acridinones using factor analysis. *Medicinal Chemistry Research*, **2012**, 21, 2854-2862 | 2.2 | 2 |

| | | | |
|---|---|---|---|
| 43 | UV densitometric HPTLC method for analysis of nitrazepam in pharmaceutical formulations. *Journal of Planar Chromatography - Modern TLC*, **2011**, 24, 44-47 | 0.9 | 2 |
| 42 | Rapid HPLC Method Development of Polynuclear Aromatic Hydrocarbons Separation Based on Quantitative Structure Retention Relationships. *Journal of Liquid Chromatography and Related Technologies*, **2009**, 32, 668-679 | 1.3 | 2 |
| 41 | Influence of Acetyl and Amide Groups on Peptides RP-LC Retention Behavior. *Journal of Liquid Chromatography and Related Technologies*, **2008**, 31, 2417-2428 | 1.3 | 2 |
| 40 | 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 |
| 39 | The application of connected QSRR and QSAR strategies to predict the physicochemical interaction of acridinone derivatives with DNA. *Combinatorial Chemistry and High Throughput Screening*, **2014**, 17, 820-6 | 1.3 | 2 |
| 38 | 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 |
| 37 | 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 |
| 36 | Development and Validation of the MEKC Method for a Stabilityindicating Assay of Midazolam in Pediatric Syrup. *Current Pharmaceutical Analysis*, **2013**, 9, 347-354 | 0.6 | 2 |
| 35 | Understanding performance of 3D-printed sorbent in study of metabolic stability. *Journal of Chromatography A*, **2020**, 1629, 461501 | 4.5 | 2 |
| 34 | Prediction of Chromatographic Elution Order of Analytical Mixtures Based on Quantitative Structure-Retention Relationships and Multi-Objective Optimization. *Molecules*, **2020**, 25, | 4.8 | 2 |
| 33 | Column Selection for Biomedical Analysis Supported by Column Classification Based on Four Test Parameters. *International Journal of Molecular Sciences*, **2016**, 17, | 6.3 | 2 |
| 32 | 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 |
| 31 | Metabolic stability studies of lead compounds supported by separation techniques and chemometrics analysis. *Journal of Separation Science*, **2021**, 44, 373-386 | 3.4 | 2 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | QSRR Evaluation of the New Anticancer Sulfonamides in View of the cis-trans Isomerism. *Current Pharmaceutical Analysis*, **2017**, 14, | 0.6 | 1 |

| | | | |
|---|---|---|---|
| 25 | Synthesis of 2-alkylthio--(quinazolin-2-yl)benzenesulfonamide derivatives: anticancer activity, QSAR studies, and metabolic stability. *Monatshefte F Chemie*, **2018**, 149, 1885-1898 | 1.4 | 1 |
| 24 | LC-MS and chemometrics for steroid biomarker profiles in view of the future diagnostics of diseases?. *Bioanalysis*, **2013**, 5, 1347-51 | 2.1 | 1 |
| 23 | Proteomic analysis of small acid soluble proteins in the spore core of Bacillus subtilis rpE and 168 strains with predictions of peptides liquid chromatography retention times as an additional tool in protein identification. *Proteome Science*, **2010**, 8, 60 | 2.6 | 1 |
| 22 | Chemometric exploration of the dependencies between molecular modeling descriptors and analytical chemistry data of antihistaminic drugs. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 713-23 | 1.7 | 1 |
| 21 | Plasma Steroid Level Measured Using Modern Separation Techniques as Biomarkers in Biological Diagnostics. *Current Pharmaceutical Analysis*, **2010**, 6, 164-181 | 0.6 | 1 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Vitamin D and anti-Mllerian hormone concentration in human follicular fluid individually aspirated from all patient follicles. *Gynecological Endocrinology*, **2021**, 1-5 | 2.4 | 1 |
| 12 | 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 |
| 11 | Self-assembly, stability and conductance of amphotericin B channels: bridging the gap between structure and function. *Nanoscale*, **2021**, 13, 3686-3697 | 7.7 | 1 |
| 10 | 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 |
| 9 | Ionic Liquids, Microextraction Methods and Capillary Electrophoresis in Biomedical Research. *Current Pharmaceutical Analysis*, **2022**, 18, 55-62 | 0.6 | 0 |
| 8 | 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 |

| | | | |
|---|---|---|---|
| 7 | 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 |
| 6 | 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 | |
| 5 | 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 | |
| 4 | Modern LC in therapeutic drug monitoring and diagnosis of pediatric leukemia. *Bioanalysis*, **2014**, 6, 2897-909 | 2.1 | |
| 3 | Influence of LC retention data on antitumor acridinones' classification evaluated by factor analysis method. *Combinatorial Chemistry and High Throughput Screening*, **2012**, 15, 674-83 | 1.3 | |
| 2 | Rapid and sensitive RP-LC method with amperometric detection for pharmacokinetic assessment of propafenone in human serum of healthy volunteers. *Journal of Analytical Chemistry*, **2010**, 65, 1164-1169 | 1.1 | |
| 1 | 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 | |