Mariusz Belka

List of Publications by Year
in descending order

51 papers	709 citations	567281 15 h-index	610901 24 g-index
51 all docs	51 docs citations	51 times ranked	980 citing authors

#	Article	IF	Citations
1	Fused Deposition Modeling Enables the Low-Cost Fabrication of Porous, Customized-Shape Sorbents for Small-Molecule Extraction. Analytical Chemistry, 2017, 89, 4373-4376.	6.5	55
2	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.	5.5	50
3	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, 914-922.	3.7	49
4	New 3D-printed sorbent for extraction of steroids from human plasma preceding LCâ€“MS analysis. Journal of Chromatography A, 2018, 1545, 1-11.	3.7	38
5	Comprehensive methodology for Staphylococcus aureus lipidomics by liquid chromatography and quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2014, 1362, 62-74.	3.7	35
6	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.	5.4	28
7	Combined computational-experimental approach to predict bloodâ€“brain barrier (BBB) permeation based on â€œgreenâ€•salting-out thin layer chromatography supported by simple molecular descriptors. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 214-221.	2.8	25
8	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.	2.8	25
9	Plausible Role of Estrogens in Pathogenesis, Progression and Therapy of Lung Cancer. International Journal of Environmental Research and Public Health, 2021, 18, 648.	2.6	24
10	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.	8.2	22
11	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.	5.5	21
12	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.	2.5	21
13	LCâ€“MS measurment of free steroids in mussels (Mytilus trossulus) from the southern Baltic Sea. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 311-315.	2.8	18
14	Novel 4-aryl-pyrido[1,2-c]pyrimidines with dual SSRI and 5-HT1A activity. Part 5. European Journal of Medicinal Chemistry, 2015, 98, 221-236.	5.5	16
15	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, 808.	3.8	16
16	Characterization of antimicrobial and hemolytic properties of short synthetic cationic lipopeptides based on QSAR/QSTR approach. Amino Acids, 2018, 50, 479-485.	2.7	16
17	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, 108-115.	2.8	15
18	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.	5.5	15

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19	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.	5.2	14
20	Synthesis of novel pyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT1A receptor ligands. European Journal of Medicinal Chemistry, 2019, 166, 144-158.	5.5	14
21	Synthesis, Molecular Structure, Metabolic Stability and QSAR Studies of a Novel Series of Anticancer N-Acylbenzenesulfonamides. Molecules, 2015, 20, 19101-19129.	3.8	13
22	Additive manufacturing and related technologies â€“ The source of chemically active materials in separation science. TrAC - Trends in Analytical Chemistry, 2021, 142, 116322.	11.4	12
23	Synthesis, QSAR studies, and metabolic stability of novel 2â€alkylthioâ€4â€chloroâ€Nâ€(5â€oxoâ€4,5â€dihydroâ€1,2,4â€triazinâ€3â€yl)benzenesulfonamide derivatives as potential anticancer and apoptosisâ€inducing agents. Chemical Biology and Drug Design, 2017, 90, 380-396.	3.2	11
24	Synthesis of new 5,6,7,8-tetrahydropyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT1A receptor ligands. European Journal of Medicinal Chemistry, 2019, 180, 383-397.	5.5	11
25	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.	2.8	11
26	Topotecan exposure estimation in pediatric acute myeloid leukemia supported by LCâ€“MS-based drug monitoring and pharmacokinetic analysis. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 330-336.	2.8	10
27	Determination of lipophilicity for antitumor acridinone derivatives supported by gradient high-performance liquid chromatography method. Open Chemistry, 2012, 10, 216-223.	1.9	10
28	Biopartitioning micellar electrokinetic chromatography â€“ Concept study of cationic analytes. Microchemical Journal, 2020, 154, 104518.	4.5	10
29	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, 5754-5770.	3.8	8
30	Synthesis and biological investigation of new equatorial (Î²) stereoisomers of 3-aminotropane arylamides with atypical antipsychotic profile. Bioorganic and Medicinal Chemistry, 2016, 24, 3994-4007.	3.0	8
31	Understanding performance of 3D-printed sorbent in study of metabolic stability. Journal of Chromatography A, 2020, 1629, 461501.	3.7	8
32	Assessment of bloodâ€“brain barrier permeability using micellar electrokinetic chromatography and P_VSA-like descriptors. Microchemical Journal, 2020, 158, 105236.	4.5	8
33	Synthesis of Novel Pyrido[1,2-c]pyrimidine Derivatives with 6-Fluoro-3-(4-piperidynyl)-1,2-benzisoxazole Moiety as Potential SSRI and 5-HT1A Receptor Ligands. International Journal of Molecular Sciences, 2021, 22, 2329.	4.1	8
34	Comparison of MLR, OPLS, and SVM as potent chemometric techniques used to estimate in vitro metabolic stability. Journal of Chemometrics, 2016, 30, 177-181.	1.3	7
35	1â€[(Imidazolidinâ€2â€yl)imino]â€1Hâ€indoles as new hypotensive agents: synthesis and in vitro and in vivo biological studies. Chemical Biology and Drug Design, 2017, 89, 400-410.	3.2	7
36	Synthesis, Molecular Structure, Anticancer Activity, and QSAR Study of N-(aryl/heteroaryl)-4-(1H-pyrrol-1-yl)Benzenesulfonamide Derivatives. International Journal of Molecular Sciences, 2018, 19, 1482.	4.1	7

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37	Retrograde urethrography, sonouretrography and magnetic resonance urethrography in evaluation of male urethral strictures. Should the novel methods become the new standard in radiological diagnosis of urethral stricture disease?. International Urology and Nephrology, 2021, 53, 2423-2435.	1.4	7
38	The advances of electromigration techniques applied for alkaloid analysis. Biomedical Chromatography, 2013, 27, 1312-1338.	1.7	5
39	Synthesis of 2-alkylthio-N-(quinazolin-2-yl)benzenesulfonamide derivatives: anticancer activity, QSAR studies, and metabolic stability. Monatshefte FÃ¼r Chemie, 2018, 149, 1885-1898.	1.8	5
40	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, 331-338.	1.1	5
41	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.	0.7	5
42	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.	2.5	4
43	Antitumor Activity of Novel Benzensulfonamide Derivatives in View of their Physiochemical Properties Searched by Principal Component Analysis. Medicinal Chemistry, 2013, 9, 517-525.	1.5	4
44	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.	1.1	2
45	The Metabolism of Anticancer Drugs by the Liver: Current Approaches to the Drug Development Process. Current Drug Metabolism, 2015, 16, 506-521.	1.2	2
46	Molecular Modeling Descriptors and Analytical Chemistry Data of Antihistaminic Drugs. Journal of AOAC INTERNATIONAL, 2012, 95, 713-723.	1.5	1
47	QSRR Evaluation of the New Anticancer Sulfonamides in View of the cis-trans Isomerism. Current Pharmaceutical Analysis, 2017, 14, .	0.6	1
48	Advanced Assessment of the Endogenous Hormone Level as a Potential Biomarker of the Urogenital Tract Cancer. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 463-472.	1.1	1
49	In Vitro approach for identification of a leading cytochrome P450 isoenzyme responsible for biotransformation of novel arylpiperazine drug candidates and their inhibition potency towards CYP3A4.. Acta Poloniae Pharmaceutica, 2020, 77, 69-76.	0.1	1
50	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.	4.5	0
51	Response to: â€œLetter to the Editor, International Urology and Nephrology: Retrograde urethrography, sonouretrography and magnetic resonance urethrography in evaluation of male urethral strictures: should the novel methods become the new standard in radiological diagnosis of urethral stricture disease?â€• International Urology and Nephrology, 2022, 54, 813-814.	1.4	0